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1 H Hydrogen 1.008																	2 He Helium 4.003
3 Li Lithium 6.941	4 Be Beryllium 9.012											5 B Boron 10.811	6 C Carbon 12.011	7 N Nitrogen 14.007	8 O Oxygen 15.999	9 F Fluorine 18.998	10 Ne Neon 20.180
11 Na Sodium 22.990	12 Mg Magnesium 24.305											13 Al Aluminum 26.982	14 Si Silicon 28.086	15 P Phosphorus 30.974	16 S Sulfur 32.066	17 Cl Chlorine 35.453	18 Ar Argon 39.948
19 K Potassium 39.098	20 Ca Calcium 40.078	21 Sc Scandium 44.956	22 Ti Titanium 47.867	23 V Vanadium 50.942	24 Cr Chromium 51.996	25 Mn Manganese 54.938	26 Fe Iron 55.845	27 Co Cobalt 58.933	28 Ni Nickel 58.693	29 Cu Copper 63.546	30 Zn Zinc 65.38	31 Ga Gallium 69.723	32 Ge Germanium 72.631	33 As Arsenic 74.922	34 Se Selenium 78.972	35 Br Bromine 79.904	36 Kr Krypton 84.798
37 Rb Rubidium 85.468	38 Sr Strontium 87.62	39 Y Yttrium 88.906	40 Zr Zirconium 91.224	41 Nb Niobium 92.906	42 Mo Molybdenum 95.95	43 Tc Technetium 98.907	44 Ru Ruthenium 101.07	45 Rh Rhodium 102.906	46 Pd Palladium 106.42	47 Ag Silver 107.868	48 Cd Cadmium 112.411	49 In Indium 114.818	50 Sn Tin 118.711	51 Sb Antimony 121.760	52 Te Tellurium 127.6	53 I Iodine 126.904	54 Xe Xenon 131.294
55 Cs Cesium 132.905	56 Ba Barium 137.328	57-71	72 Hf Hafnium 178.49	73 Ta Tantalum 180.948	74 W Tungsten 183.84	75 Re Rhenium 186.207	76 Os Osmium 190.23	77 Ir Iridium 192.217	78 Pt Platinum 195.085	79 Au Gold 196.967	80 Hg Mercury 200.592	81 Tl Thallium 204.383	82 Pb Lead 207.2	83 Bi Bismuth 208.980	84 Po Polonium [208.982]	85 At Astatine 209.987	86 Rn Radon 222.018
87 Fr Francium 223.020	88 Ra Radium 226.025	89-103	104 Rf Rutherfordium [261]	105 Db Dubnium [262]	106 Sg Seaborgium [266]	107 Bh Bohrium [264]	108 Hs Hassium [269]	109 Mt Meitnerium [268]	110 Ds Darmstadtium [269]	111 Rg Roentgenium [272]	112 Cn Copernicium [277]	113 Nh Nihonium unknown	114 Fl Flerovium [289]	115 Mc Moscovium unknown	116 Lv Livermorium [298]	117 Ts Tennessine unknown	118 Og Oganesson unknown

57 La Lanthanum 138.905	58 Ce Cerium 140.116	59 Pr Praseodymium 140.908	60 Nd Neodymium 144.242	61 Pm Promethium 144.913	62 Sm Samarium 150.36	63 Eu Europium 151.964	64 Gd Gadolinium 157.25	65 Tb Terbium 158.925	66 Dy Dysprosium 162.500	67 Ho Holmium 164.930	68 Er Erbium 167.259	69 Tm Thulium 168.934	70 Yb Ytterbium 173.055	71 Lu Lutetium 174.967
89 Ac Actinium 227.028	90 Th Thorium 232.038	91 Pa Protactinium 231.036	92 U Uranium 238.029	93 Np Neptunium 237.048	94 Pu Plutonium 244.064	95 Am Americium 243.061	96 Cm Curium 247.070	97 Bk Berkelium 247.070	98 Cf Californium 251.080	99 Es Einsteinium [254]	100 Fm Fermium 257.095	101 Md Mendelevium 258.1	102 No Nobelium 259.101	103 Lr Lawrencium [262]

Alkali Metal | Alkaline Earth | Transition Metal | Basic Metal | Semimetal | Nonmetal | Halogen | Noble Gas | Lanthanide | Actinide

METRIC CONVERSIONS

4 ounce (Liquid)	=	118 mL	120 mL	=	4.057 ounce (Liquid)
16 ounce (Liquid)	=	473 mL	500 mL	=	16.907 ounce (Liquid)
32 ounce (Liquid)	=	946 mL	1 L	=	33.814 ounce (Liquid)
5 pint (Liquid)	=	2.366 L	2.5 L	=	5.283 pint (Liquid)
1 gallon (U.S.)	=	3.785 L	4 L	=	1.057 gallon (U.S.)
2.5 gallon (U.S.)	=	9.463 L	10 L	=	2.642 gallon (U.S.)
5 gallon (U.S.)	=	18.927 L	20 L	=	5.283 gallon (U.S.)

ABBREVIATIONS

ACS	American Chemical Society
Amb	Amber
AOAC	Association of Official Analytical Chemists
APHA	American Public Health Association
ASTM	American Society for Testing and Materials
AU	Absorbance Units
BOD	Biochemical Oxygen Demand
C	Celsius
cm	Centimeter
COD	Chemical Oxygen Demand
CS	Colorimetric Solution
cSt	Centistokes
DO	Dissolved Oxygen
DOT	Department of Transportation
DPD	N, N-Diethyl-p-phenylenediamine
EDTA	(Ethylenedinitrilo)tetraacetic Acid, Disodium Salt Dihydrate
EP	European Pharmacopoeia
EPA	Environmental Protection Agency
Evap.	Evaporation
gal.	Gallon
g	Gram
Indic.	Indicator
ICP	Inductively Coupled Plasma
ISE	Ion Selective Electrode
KF	Karl Fischer
L	Liter
M	Molar
MBTH	3-Methyl-2-Benzothiazolone Hydrazone
mEq	Milliequivalents
mg	Milligram
mL	Milliliter
mV	Millivolt
N	Normal
N.I.S.T.	National Institute of Standards and Technology
NTU	Nephelometric Turbidity Units
ORP	Oxidation-Reduction Potential
oz.	Ounce (Liquid)
PGC	Product Group Code
ppm	Parts per million
pt.	Pint
R	European Pharmacopoeia Reagent
RCC	RICCA CHEMICAL COMPANY
RS	Reagent Solution
Red.	Reducing
SC	Safety Coated
Soln.	Solution
Std.	Standard
Subs.	Substances
Sp. Gr.	Specific Gravity
TAPPI	Technical Association of the Pulp and Paper Industry
TDS	TDS Total Dissolved Solids
TISAB	Total Ionic Strength Adjustment Buffer
TOC	Total Organic Carbon
TCLP	Toxic Characteristics Leaching Procedure
TS	Test Solution
USDA	United States Department of Agriculture
USP	United States Pharmacopeia
v/v	Volume/volume
Vs	Volumetric Solution
wm	Wide Mouth
w/v	Weight/volume
w/w	Weight/weight
µg	Microgram

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Acetate Buffer

Acetate Buffer
18% (w/v) Sodium Acetate / 3% (v/v) Acetic Acid

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Acetate Trihydrate	6131-90-4	ACS
Acetic Acid	64-19-7	ACS

Test	Specification
Appearance	Colorless liquid

Item #	Size	Pkg Type	Qty	List
R0068000-4A*RC	4L	Natural poly	1/ea	$295.13

Acetate Buffer pH 4.0
for Residual Chlorine Analysis

Acetic Acid Solution, 8, UN2790, PG III

Name	CAS#	Grade
Acetic Acid	64-19-7	ACS
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	3.9 - 4.1	185i, 186-I-g, 186-II-g
Sp. Gr.	1.109 - 1.115 @ 25°C	

Specification	Reference	Specification	Reference
Acetate Buffer Soln., pH 4	APHA (4500-ClO2 C)	Acetate Buffer Soln. (pH 4)	EPA (330.2)
Acetate Buffer Soln., pH 4	APHA (4500-Cl E)	Acetate Buffer Soln. (pH 4)	EPA (330.1)
Acetate Buffer Soln., pH 4	APHA (4500-Cl D)	pH 4.0 Buffer Soln.	ASTM (D 1253)
Acetate Buffer Soln.	APHA (4500-Cl C)		

Item #	Size	Pkg Type	Qty	List
50-16*RC	500mL	Natural poly	1/ea	$78.14
50-32*RC	1L	Natural poly	1/ea	$103.49
50-1*RC	4L	Natural poly	1/ea	$270.94
50-5*RC	20L	Cubitainer®	1/ea	$851.39

Acetate Buffer pH 4.5
for Cyanide Determination

Acetic Acid Solution, 8, UN2790, PG III

Name	CAS#	Grade
Acetic Acid	64-19-7	ACS
Sodium Acetate Trihydrate	6131-90-4	ACS
Water	7732-18-5	ACS/ASTM/USP/EP

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	4.45 - 4.55	185i, 186-I-g, 186-II-g

Specification	Reference	Specification	Reference
Acetate Buffer	APHA (4500-CN- I)	Acetate Buffer	ASTM (D 2036 B)
Acetate Buffer	APHA (4500-CN- E)	Acetate Buffer	ASTM (D 2036 C)
Acetate Buffer	APHA (4500-CN- H)	Acetate Buffer	ASTM (D 2036 D)
Acetate Buffer	ASTM (D 2036 A)		

Item #	Size	Pkg Type	Qty	List
52-32*RC	1L	Natural poly	1/ea	$112.49

Acetic Acid

Glacial, ACS Reagent Grade
CAS# 64-19-7
Acetic Acid, 8, UN2789, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Heavy Metals, as Pb	0.5 ppm max
Assay	≥ 99.7% CH_3COOH	Iron	0.2 ppm max
Residue after Evap.	0.001% max	Sulfate (SO_4)	1 ppm max
Color (APHA)	10 max	Titrable Base	0.0004 meq/g max
Chloride (Cl)	1 ppm max		

Item #	Size	Pkg Type	Qty	List
A1100-500*AQ	500mL	n/a	1/ea	$82.23
A1100-1*AQ	1LP	n/a	1/ea	$84.22
A1100-20*AQ	20L	n/a	1/ea	$537.14

Acetic Acid

FOXPURE® InstraPure
CAS# 64-19-7
Corrosive (Flammable Liquid) Acetic Acid Glacial, 8 (3), UN2789, PG II

Tests	Specification
Assay (CH_3COOH, w/w):	≥99%
Color (APHA)	10 max

Analyte Trace Impurities (in µg/g, ppm)

Chloride (Cl)	1
Phosphate (PO_4^{3-})	1
Sulfate (SO_4^{2-})	0.5
Subs. Red. Dichormate ($K_2Cr_2O_7$)	To pass test
Subs. Red. Permanganate ($KMnO_4$)	To pass test

Analyte Trace Impurities (in ng/g, ppb)

Al	1	Eu	0.1	Mo	0.5	Sr	0.5
Sb	0.5	Gd	0.1	Nd	0.1	Te	0.5
As	0.5	Ga	0.1	Ni	0.5	Tb	0.1
Ba	0.5	Ge	0.5	Pt	0.5	Tl	0.1
Be	0.1	Hf	0.1	K	1	Th	0.1
Bi	0.1	Ho	0.1	Pr	0.1	Tm	0.1
Cd	0.5	In	0.1	Re	0.1	Sn	0.5
Ca	1	Fe	1	Rh	0.5	Ti	0.5
Ce	0.1	La	0.1	Rb	0.1	W	0.5
Cs	0.1	Pb	0.1	Ru	0.5	U	0.1
Cr	1	Li	0.1	Sm)	0.1	V	0.5
Co	0.1	Lu	0.1	Sc	0.1	Yb	0.1
Cu	0.5	Mg	0.5	Se	1	Y	0.1
Dy	0.1	Mn	0.5	Ag	1	Zn	1
Er	0.1	Hg	1	Na	1	Zr	0.1

Itemt #	Size	Pkg Type	Qty	List
A302-3*FX	2.5L	Poly	1/ea	$323.09
A302-3*FX	2.5L	Poly	6/cs	$1317.42

Acetic Acid

Glacial, ACS Reagent Grade
Acetic Acid Solution, 8 (3), UN2789, PG II

Contains
CH_3COOH CAS No. 64-19-7 MW 60.05

Test	Specification	Test	Specification
Acetic Anhydride [$(CH_3CO)_2O$]	max 0.01%	Iron (Fe)	max 0.2 ppm
Assay	min 99.7%	Residue after Evap. (Non-volatile Matter)	max 0.001%
Chloride (Cl)	max 1 ppm	Subs. Red. Dichromate	To pass test
Color (APHA)	max 10	Subs. Red. Permanganate	To pass test
Dilution Test	To pass test	Sulfate (SO_4)	max 1 ppm
Heavy Metals (as Pb)	max 0.5 ppm	Titrable Base	max 0.0004 meq/g

Item #	Size	Pkg Type	Qty	List
RABA0010-20E1*RC	20L	Ropak™	1/ea	$738.17

Acetic Acid / Isooctane 60:40

Flammable Liquid, Corrosive, n.o.s. (Isooctane, Acetic Acid), 3 (8), UN2924, PG II

Name	CAS#	Grade
Acetic Acid	64-19-7	ACS
Isooctane	540-84-1	HPLC

Test	Specification
Appearance	Colorless liquid
Suitability for Use	Passes test

Item #	Size	Pkg Type	Qty	List
R0161000-4C1*RC	4L	SC glass	1/ea	$684.10

Don't forget to ask your Rep
about
Acid Neutralizers

Acetic Acid
FOXPURE® ACS Reagent Grade, Glacial
CAS# 64-19-7
Acetic Acid, 8, UN2789, PG II

Test	Specification	Test	Specification
Assay (CH_3COOH)	min 99.7%	Subs. Red. Dichromate	To pass test
Color (APHA)	max 10	Residue after Evap.	max 0.001%
Chloride (Cl)	max 1 ppm	Iron (Fe)	max 0.2 ppm
Heavy Metals (as Pb)	max 0.5 ppm	Dilution Test	To pass test
Sulfate (SO4)	max 1 ppm	Acetic Anhydride	max 0.01%
Subs. Red. Permanganate	To pass test	Titrable Base	max 0.0004 meq/g

Item #	Size	Pkg Type	Qty	List
A651-3*FX	2.5L	Safecoat	1/ea	$169.00
A651-3*FX	2.5L	Safecoat	4/cs	$450.24

Acetic Acid
Glacial 99.5%
CAS# 64-19-7
Acetic Acid, 8, UN2789, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Chlorides	1 ppm max
Assay	99.85% min	Heavy Metals, as Pb	0.5 ppm max
Aldehydes, as AcH	0.05 wt% max	Iron	1 ppm max
Formic Acid	0.05 wt% max	Sulfates	1 ppm max
Color (Pt-Co)	10 max	Sulfurous Acid	1 ppm max

Item #	Size	Pkg Type	Qty	List
A1104-20*AQ	20L	n/a	1/ea	$366.51

Acetic Acid 1.0 N
N.I.S.T. Traceable
CAS# 64-19-7
Not-Regulated

Test	Specification
Appearance	Clear water white liquid
Actual Normality	1.0000 +/- 0.0009 N @ 20°C

Item #	Size	Pkg Type	Qty	List
0040-1*AQ	1L	n/a	1/ea	$32.64

Acetic Acid 2.0 N
N.I.S.T. Traceable
CAS# 64-19-7
Acetic Acid Solution, 8, UN2790, PG III

Test	Specification
Appearance	Clear water white liquid
Actual Normality	2.0000 ± 0.0010 N @ 20°C

Item #	Size	Pkg Type	Qty	List
0045-1*AQ	1L	n/a	1/ea	$47.65
0045-1*AQ	1L	n/a	6/cs	$190.62

Acetic Acid 1% (v/v)
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Acetic Acid	64-19-7	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Thymol Blue)	0.94 - 1.06% (v/v)	84

Item #	Size	Pkg Type	Qty	List
100-32*RC	1L	SC glass	1/ea	$52.38

Acetic Acid 10% v/v Solution
Not-Regulated

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
0049-1*AQ	1L	n/a	1/ea	$34.44
0049-1*AQ	1L	n/a	6/cs	$137.76

Acetic Acid-Chloroform 60/40 v/v Solution
Corrosive Liquid, Toxic, n.o.s. (Acetic Acid, Chloroform), 8, UN2922, PG II

Name	CAS#	%
Acetic Acid	64-19-7	51.557%
Chloroform	67-66-3	48.443%

Test	Specification
Appearance	Clear liquid

Item #	Size	Pkg Type	Qty	List
0065-4*AQ	4L	n/a	1/ea	$355.22
0065-4*AQ	4L	n/a	4/cs	$947.24

Acetic Anhydride
ACS Reagent Grade
CAS# 108-24-7
Acetic Anhydride, 8, UN1715, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Heavy Metals, as Pb	2 ppm max
Assay	≥ 97.0%	Iron	5 ppm max
Residue after Evap.	0.003% max	Sulfate (SO_4)	5 ppm max
Phosphate (PO_4)	0.001% max	Subs. Red. Permanganate	Passes test
Chloride (Cl)	5 ppm max		

Item #	Size	Pkg Type	Qty	List
A1325-500*AQ	500mL	n/a	1/ea	$85.83
A1325-1*AQ	1L	n/a	1/ea	$123.19

Acetone
FOXPURE® ACS Reagent Grade
CAS# 67-64-1
Acetone, 3, UN1090, PG II

Tests	Specification	Tests	Specification
Assay ((CH3)2CO)	99.5% min	Aldehyde (as Formaldehyde)	0.002% max
Color (APHA)	10 max	Isopropyl Alcohol	0.05% max
Residue after Evap.	0.001% max	Methanol	0.05% max
Solubility in Water	To pass test	Subs. Red. Permanganate	To pass test
Titrable Acid	0.0003 meq/g max	Water (H2O)	0.5% max
Titrable Base	0.0006 meq/g max		

Part #	Size	Pkg	Qty	List
A625-55*FX	55gal.	Drum	1/ea	CALL

Acetone
ACS Reagent Grade
CAS# 67-64-1
Acetone, 3, UN1090, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Conforms to ASTM D329	Yes
Assay	99.5% min	Evap. Residue	0.001% max
Solubility in Water	Passes test	Titrable Acid	0.0003 meq/g max
Aldehyde (as HCHO)	0.002% max	Titrable Base	0.0006 meq/g max
Isopropyl Alcohol	0.05% max	Subs. Red. Permanganate	Passes test
Color (APHA)	10 max	Water	0.5% max

Item #	Size	Pkg Type	Qty	List
A1494-500*AQ	500mL	n/a	1/ea	$41.20
A1494-20*AQ	20L	n/a	1/ea	$421.25

Acetone
Lab Grade
CAS# 67-64-1
Acetone, 3, UN1090, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Color (APHA)	1 max ppm
Assay	99.5% min	Non-volatile Matter	5 max
Color (Pt-Co)	5 max	Water Miscibility	Passes
Acidity, as Acetic Acid	0.002 max	Water	0.5 max%
Alkalinity, as Ammonia	0.001 max		

Item #	Size	Pkg Type	Qty	List
A1500-500*AQ	500mL	n/a	1/ea	$34.62
A1500-20*AQ	20L	n/a	1/ea	$329.14

Acetone
Technical Grade
CAS# 67-64-1
Acetone, 3, UN1090, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Color (APHA)	10 max
Assay	99.5% min	Evap. Residue	0.001% max
Solubility in Water	Passes test	Titrable Acid	0.0003 meq/g max
Aldehyde (as HCHO)	0.002% max	Titrable Base	0.0006 meq/g max
Isopropyl Alcohol	0.05% max	Water	0.5% max

Item #	Size	Pkg Type	Qty	List
A1501-4P*AQ	4L	n/a	1/ea	$106.04

Acetone
HPLC
CAS# 67-64-1
Acetone, 3, UN1090, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Color (APHA)	1 max ppm
Assay	99.5% min	Evap. Residue	0.3 max ueq/g
Capillary ECD Responsive Subs.	2 max ng/L	Titrable Acid	0.3 max ueq/g
Capillary FID Responsive Subs.	3 max ug/L	Water	0.5 max%

Item #	Size	Pkg Type	Qty	List
A1496-1*AQ	1L	n/a	1/ea	$106.62

Acetone-Alcohol, 1 + 1 Decolorizer Solution for use in Gram Staining
Flammable Liquid, n.o.s. (Acetone, Ethanol), 3, UN1993, PG II

Name	CAS#	Grade
Acetone	67-64-1	ACS
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Acetone Alcohol		EPA (SW-846) (9131)
Acetone Alcohol		ASTM (D 5916)

Item #	Size	Pkg Type	Qty	List
200-32*RC	1L	Natural poly	1/ea	$110.77

Acetonitrile
FOXPURE® LC/MS
CAS# 75-05-8
Acetonitrile, 3, UN1648, PG II

Tests	Specification
Assay (by GC-FID) (Corrected for Water)	min 99.9%
Fluorescence at Emission Max. for Impurities (as Quinine Base)	max 0.3 ppb
LC Gradient Elution Suitability @	
215 nm	max 0.005 AU
254 nm	max 0.001 AU
LC-MS Positive Mode (as Resperpine)	max 50 ppb
LC-MS Negative Mode (as Nitrophenol)	max 50 ppb
Refractive Index @ 20°C	1.3434 - 1.3446
Residue after Evap.	max 1 ppm
Water (by KF Coulometry)	max 0.010%
Trace Metals	Passes test

Al	max 50 ppb	Pb	max 5 ppb	Sn	max 5 ppb
Ba	max 5 ppb	Mg	max 10 ppb	Zn	max 5 ppb
Cd	max 5 ppb	Mn	max 5 ppb		
Ca	max 50 ppb	Ni	max 5 ppb		
Cr	max 5 ppb	K	max 10 ppb		
Co	max 5 ppb	Ag	max 5 ppb		
Cu	max 5 ppb	Na	max 50 ppb		
Fe	max 5 ppb				

Metal results are at time of packaging and may increase from extraction from the container.

Part #	Size	Pkg	Qty	List
A360-4*FX	4L	n/a	1/ea	CALL
A360-4*FX	4L	n/a	4/cs	CALL

Acid Neutalizing Powder, Indicating
FOXPURE® ACS Reagent Grade
CAS# 497-19-8
Not-Regulated

Specification	Result
Suitability as Indicator	Pass

Part #	Size	Pkg	Qty	List
S850-500*FX	500g	n/a	1/ea	$77.89
S850-2.5*FX	2.5kg	n/a	1/ea	$130.14
S850-10*FX	10kg	n/a	1/ea	$228.58
S850-22*FX	22.7kg	n/a	1/ea	$363.39

Alcohol-Ether, 1 + 1 Fixation Fluid
Flammable Liquid, n.o.s. (Ethanol, Ether), 3, UN1993, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Ethyl Ether	60-29-7	ACS
Methyl Alcohol	67-56-1	Reagent

Test	Specification
Appearance	Colorless liquid

Item #	Size	Pkg Type	Qty	List
300-16*RC	500mL	Amb glass	1/ea	$189.84

Alcohol, Reagent (200 Proof) Anhydrous
ACS Reagent Grade
Alcohols n.o.s. 3, UN1987, PG II

May Contain	CAS#	May Contain	CAS#
Ethyl Alcohol	64-7-5	Isopropyl Alcohol	67-83-0
Methyl Alcohol	67-56-1	Water	7732-18-5

Test	Specification
Appearance	Clear
Odor	Characteristic
GC Assay Ethanol & Methanol	94 = < Value = < 96% wt.
Isopropanol	4 = < Value = < 6% wt.
Color	0 = < Value = < 10 APHA
Water in Volatile Solvents (n)	0 = < Value = < .2%
ACS Density 25°C	.783 = < Value = < .788
ACS Residue after Evap.	max 10 ppm
Refractive Index 25°C	1.3575 =< Value =< 1.365 (n)

Item #	Size	Pkg Type	Qty	List
R295-9*FX	20L	n/a	1/ea	$533.00

Alcohol, Reagent Denatured Alcohol 70% (v/v)
Reagent Grade
Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Water	7732-18-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Isopropyl Alcohol	67-63-0	Reagent
Ethyl Alcohol	64-17-5	Reagent

Test	Specification	Test	Specification
Appearance	Colorless liquid	Color (APHA)	0 - 10
Acidity (as Acetic Acid)	max 0.0025	Sp. Gr. @ 20°C	0.880 - 0.890
Assay	68 - 72% (v/v)		

Item #	Size	Pkg Type	Qty	List
2546.70-32*RC	1L	Natural poly	1/ea	$55.79
R2546700-3.8A*RC	3.8L	Natural poly	1/ea	$180.84
2546.70-1SC*RC	4L	SC glass	1/ea	$176.06
2546.70-2.5*RC	10L	Cubitainer®	1/ea	$400.58

Whether you prefer glass or plastic, Fox has the detergents you need to keep your labware clean!

Alcohol, Reagent Denatured Ethyl Alcohol

ACS Reagent Grade
Alcohols, n.o.s. (Ethanol, Methanol, Isopropanol), 3, UN1987, PG II

Name	CAS#	%
Ethyl Alcohol, Absolute 200 Proof	64-17-5	90.0%
Methanol (Methyl Alcohol)	67-56-1	5.0%
Isopropanol	67-63-0	5.0%

Test	Specification	Test	Specification
Appearance	Clear liquid	Color (APHA)	10 max
Assay (Ethanol + Methanol)	94.0% - 96.0%	Infrared Spectrum	Conforms
Assay (Ethanol)	89.0% - 92.0%	Residue after Evap.	0.001% max
Assay (Isopropyl Alcohol)	4.0% - 8.0%	Water (H2O)	0.075% max
Assay (Methanol)	3.5% - 5.5%		

Item #	Size	Pkg Type	Qty	List
A2700-1*AQ	1L	n/a	1/ea	$64.35
A2700-4*AQ	4L	n/a	1/ea	$128.86

Alizarin Red S Indicator 1% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Alizarin Red S Monohydrate, Sodium Salt	130-22-3	Certified

Test	Specification
Appearance	Dark red liquid
Suitability for Use	Yellow (pH 4.6) - Pink (pH 6.0)

Item #	Size	Pkg Type	Qty	List
500-4*RC	120mL	Natural poly	1/ea	$37.56
500-16*RC	500mL	Natural poly	1/ea	$89.18

Alkalinity Standard 500 ppm

Aqueous Solution
Not-Regulated

Test	Specification
Alkalinity to 1 Dec Place	495.0 - 505.0
Appearance & Color	Clear liquid

Item #	Size	Pkg Type	Qty	List
0310-500*AQ	500mL	n/a	1/ea	$55.31
0310-1*AQ	1L	n/a	1/ea	$60.64

Aluminum Chloride Hexahydrate

Reagent Crystal
CAS# 7784-13-6
Corrosive Solid, Acidic, Inorganic n.o.s. (Aluminum Chloride Hexahydrate), 8, UN3260, PG III

Test	Specification	Test	Specification
Appearance	White crystals	Iron	10 ppm max
Assay (NH4Cl)	95.0 - 102.0%	Potassium	0.01% max
Water (KF)	42.0 - 48.0%	Magnesium	0.01% max
pH (5%, 20°C)	2.5 - 3.5	Sodium	0.1% max
Ammonium	0.001% max	Heavy Metals (as Pb)	10 ppm max
Arsenic	0.0004% max	Sulfate	100 ppm max
Calcium	0.02% max	Alkali + Alkaline Earth Metals	0.5% max

Item #	Size	Pkg Type	Qty	List
A3974-500*AQ	500g	n/a	1/ea	$159.16

Aluminum Sulfate

ACS Reagent Grade Crystal
CAS# 7784-31-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystals	Magnesium (Mg)	0.002% max
Assay	98.0 - 102.0%	Potassium (K)	0.005% max
Insoluble Matter	0.01% max	Sodium (Na)	0.02% max
Chloride (Cl)	0.005% max	Heavy Metals (as Pb)	0.001% max
Calcium (Ca)	0.01% Max	Iron (Fe)	0.002% Max

Item #	Size	Pkg Type	Qty	List
A4240-500*AQ	500g	n/a	1/ea	$135.88

Aluminum Sulfate

Laboratory Grade, Granular
CAS# 7784-31-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystals	% Iron as Fe_2O_3	0.062%
% Al_2O_3	17.8%	% Water Insoluble	0.112%
% $Al_2(SO_4)_3$	59.75%	% Basicity	0.223%

Item #	Size	Pkg Type	Qty	List
A4245-2.5*AQ	2.5kg	n/a	1/ea	$54.31

Amine Sulfuric Acid Working Solution

Corrosive Liquid, n.o.s. (Sulfuric Acid), 8, UN1760, PG II

Test	Specification
Appearance & Color	Clear light brown liquid
APHA for Sulfide/Chloride	Yes

Item #	Size	Pkg Type	Qty	List
0357-1*AQ	1L	n/a	1/ea	$162.08

Amine-Sulfuric Acid Reagent for Sulfide Determination (Methylene Blue Method)

Sulphuric Acid Solution, 8, UN1830, PG II

Name	CAS#	Grade
Sulfuric Acid	7664-93-9	ACS
Water	7732-18-5	ACS/ASTM/USP/EP
N,N-Dimethyl-p-Phenylenediamine Oxalate	62778-12-5	Purified

Test	Specification
Appearance	Pale yellow to brownish liquid
Suitability for Use	Pink to clear, colorless when Sulfide free

Specification	Reference
Amine-Sulfuric Acid Reagent	APHA (4500-S2- D)
Amino-Sulfuric Acid Reagent	EPA (376.2)

Item #	Size	Pkg Type	Qty	List
610-16*RC	500mL	SC glass	1/ea	$193.05

Ammonia Hydroxide

FOXPURE® InstraPure
CAS# 1336-21-6
Ammonium Solution, 8, UN2672, PG III

Tests	Specification
Assay (NH_3, w/w)	20 - 22%
Color (APHA)	10

Analyte Trace Impurities (in µg/g, ppm)

Chloride (Cl)	0.5
Phosphate (PO_4^{3-})	0.01
Sulfate (SO_4^{2-})	1

Analyte Trace Impurities (in ng/g, ppb)

Al	1	Gd	0.1	Nd	0.1	Sr	0.1
Sb	0.5	Ga	0.1	Ni	0.5	Te	0.1
As	1	Ge	0.1	Nb	0.1	Tb	0.1
Ba	0.1	Au	0.5	Pd	info only	Tl	0.1
Be	0.1	Hf	info only	Pt	info only	Th	0.1
Bi	0.1	Ho	0.1	K	1	Tm	0.1
Cd	0.5	In	0.1	Pr	0.1	Sn	0.5
Ca	1	Fe	1	Re	info only	Ti	0.5
Ce	0.1	La	0.1	Rh	0.5	W	0.1
Cs	0.1	Pb	0.1	Rb	0.1	U	0.1
Cr	0.5	Li	0.1	Ru	info only	V	0.5
Co	0.5	Lu	0.1	Sm	0.1	Yb	0.1
Cu	0.5	Mg	1	Sc	0.1	Y	0.1
Dy	0.1	Mn	0.5	Se	1	Zn	0.5
Er	0.1	Hg	0.2	Ag	0.5	Zr	0.1
Eu	0.1	Mo	0.5	Na	1		

Part #	Size	Pkg	Qty	List
A305-2*FX	500mL	n/a	1/ea	$161.52
A305-4*FX	4L	n/a	1/ea	$723.35
A305-4*FX	4L	n/a	4/cs	$1966.32

Ammonia Ionic Strength Adjuster (ISA) Solution

Corrosive Liquid, n.o.s. (Sodium Hydroxide), 8, UN1760, PG II

Dangerous components

Cas#	Description	%
1310-73-2	Sodium Hydroxide	18.437%
67-56-1	Methanol (Methyl Alcohol)	7.282%
6381-92-6	Ethylenedinitrilotetraacetic Acid, Disodium Salt	1.715%

Nonhazardous Ingredients

Cas#	Description	%
7732-18-5	Water	72.548%
125-20-2	Thymolphthalein	0.018%

Test	Specification
Appearance & Color	Clear blue liquid

Item #	Size	Pkg Type	Qty	List
0364-1*AQ	1L	n/a	1/ea	$64.34

Ammonia Nitrogen Std. 100 ppm NH_3

Not-Regulated

Test	Specification	Test	Specification
APHA for Ammonia	Yes	Actual PPM	100.0 +/- 4.0 as NH_3
Certified	Yes	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
0372-500*AQ	500mL	n/a	1/ea	$48.17

Ammonia Standard 100 ppm NH_3 (82.2 ppm N)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Chloride	12125-02-9	High Purity

Test	Specification
Ammonia (NH_3)	99.5 - 100.5 ppm
Appearance	Colorless liquid

Specification	Reference
Ammonia, Soln., Intermediate (100 mg NH3 as N/L)	ASTM (D 1426 B)

Item #	Size	Pkg Type	Qty	List
613-16*RC	500mL	Natural poly	1/ea	$101.54
613-32*RC	1L	Natural poly	1/ea	$171.05

Ammonia Standard 1000 ppm NH_3 (822 ppm N)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Chloride	12125-02-9	High Purity

Test	Specification
Ammonia (NH_3)	995 - 1005 ppm
Appearance	Colorless liquid

Item #	Size	Pkg Type	Qty	List
615-4*RC	120mL	Natural poly	1/ea	$54.37
615-16*RC	500mL	Natural poly	1/ea	$102.81
615-32*RC	1L	Natural poly	1/ea	$176.27

Ammonia Stock Standard 1000 ppm NH_3

Not-Regulated

Test	Specification
Certified	Yes
Actual PPM	1,000 +/- 40 ppm as NH_3
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
0373-100*AQ	100mL	n/a	1/ea	$36.15
0373-500*AQ	500mL	n/a	1/ea	$48.17
0373-1*AQ	1L	n/a	1/ea	$72.19

Ammonium Acetate

ACS Reagent Grade, Crystal
CAS# 631-61-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystals	Sulfate (SO_4)	0.001% max
Assay	97% min	Heavy Metals, as Pb	5 ppm max
Insoluble Matter	0.005% max	Chloride (Cl)	5 ppm max
Nitrate (NO_3)	0.001% max	Iron	5 ppm max

Item #	Size	Pkg Type	Qty	List
A4305-500*AQ	500g	n/a	1/ea	$72.20
A4305-2.5*AQ	2.5kg	n/a	1/ea	$273.81

Ammonium Bifluoride Solution

Technical Grade, Flake
CAS# 1341-49-7
Ammonium Hydrogendifluoride, Solid, 8, UN1727, PG II

Test	Specification	Test	Specification
Appearance	White flakes	Iron (Fe)	≤ 10.0 ppm
Assay ($NH_4F.HF$)	≥ 95.000%	Arsenic (As)	≤ 10.0 ppm
NH4F	≤ 5.0%	Sulfate (SO_4)	≤ 100.0 ppm
H_2O	≤ 0.10%		

Item #	Size	Pkg Type	Qty	List
A4350-500*AQ	500g	n/a	1/ea	$57.22

Ammonium Carbonate (~30% Ammonia)

ACS Reagent Grade, Lumps
CAS# 506-87-6
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Sulfur Compounds (as SO_4)	0.001% max
Assay	97.0% min	Heavy Metals (as Pb)	5 ppm max
Insoluble Matter	0.005% max	Iron (Fe)	5 ppm max
Non-volatile Matter	0.01% max	Nitrate (NO_3)	0.001%
Chloride (Cl)	5 ppm max		

Item #	Size	Pkg Type	Qty	List
A4426-500*AQ	500g	n/a	1/ea	$91.73

Ammonium Carbonate TS

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Carbonate	506-87-6	ACS
Ammonium Hydroxide	1336-21-6	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Methyl Red)	4.73 - 5.19 N @ 20°C	723

Specification	Reference
Ammonium Carbonate TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
622.5-16*RC	500mL	Natural poly	1/ea	$164.95

Ammonium Chloride

ACS Reagent Grade
CAS# 12125-02-9
Not-Regulated

Test	Specification	Test	Specification
Assay (NH_4Cl)	min 99.5%	Sulfate (SO_4)	max 0.002%
pH of a 5% Soln. @ 25°C	4.5 - 5.5	Calcium (Ca)	max 0.001%
Insoluble Matter	max 0.005%	Heavy Metals (as Pb)	max 5 ppm
Residue after Ignition	max 0.01%	Iron (Fe)	max 2 ppm
Phosphate (PO_4)	max 2 ppm	Magnesium (Mg)	max 5 ppm

Item #	Size	Pkg Type	Qty	List
A462-3*FX	2.5kg	n/a	1/ea	CALL
A462-3*FX	2.5kg	n/a	4/cs	CALL

Ammonium Chloride
ACS Reagent Grade
CAS# 12125-02-9
Not-Regulated

Test	Specification	Test	Specification
Assay (NH_4Cl)	min 99.5%	Sulfate (SO_4)	max 0.002%
pH of a 5% Soln.	4.5 - 5.5	Calcium (Ca)	max 0.001%
Insoluble Matter	max 0.005%	Heavy Metals (as Pb)	max 5 ppm
Residue after Ignition	max 0.01%	Iron (Fe)	max 2 ppm
Phosphate (PO_4)	max 2 ppm	Magnesium (Mg)	max 5 ppm

Item #	Size	Pkg Type	Qty	List
RDCA0430-500B1*RC	500g	Poly	1/ea	$78.60

Ammonium Chloride
ACS Reagent Grade
CAS# 12125-02-9
Not-Regulated

Test	Specification	Test	Specification
Assay (NH_4Cl)	>=|99.50|No Limit|0.00	Mol Wt.	53.49
Heavy Metals (by ICP-OES)	No Limit|0.00|<=|0.005	pH of 5% Soln. @ 25°C	>=|4.50|<=|5.50
Insoluble	No Limit|0.00|<=|0.005	Phosphate	No Limit|0.00|<=|0.002
Iron	No Limit|0.00|<=|0.002	Residue after Ignition	No Limit|0.00|<=|0.01
Magnesium	No Limit|0.00|<=|0.005		

Item #	Size	Pkg Type	Qty	List
12501*GF	500g	n/a	1/ea	$69.25
12502*GF	2.5kg	n/a	1/ea	$166.82

Ammonium Chloride
ACS Reagent Grade, Granular
CAS# 12125-02-9
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystals	Phosphate AS (PO_4)	2 ppm max
Assay (NH4Cl)	99.5% - 100.5%	pH of 5% SOL @ 25°C	4.6 - 5.5
Heavy Metals AS (Pb)	5 ppm max	Sulfate	0.002% max
Calcium	0.001% max	Insoluble Matter	0.005% max
Iron (Fe)	2 ppm max	(Over Silica Gel/4h)	0.5% max
Magnesium	5 ppm max	Residue after Ignition	0.01% max

Item #	Size	Pkg Type	Qty	List
A4485-100*AQ	100g	n/a	1/ea	$38.88
A4485-500*AQ	500g	n/a	1/ea	$48.17
A4485-2.5*AQ	2.5kg	n/a	1/ea	$143.03

Ammonium Chloride
Laboratory Grade, Granular
CAS# 12125-02-9
Not-Regulated

Test	Specification	Test	Specification
Appearance	White solid	Arsenic	1 ppm
Assay (NH4Cl)	99.9%	Phosphate AS (PO_4)	50 ppm
Heavy Metals AS (Pb)	10 ppm	pH of 5% SOL @ 20°C	5.2
Lead (Pb)	4 ppm	Moisture (H2O)	0.25%
Iron (Fe)	5 ppm		

Item #	Size	Pkg Type	Qty	List
A4525-500*AQ	500g	n/a	1/ea	$40.67

Ammonia-Ammonium Chloride Buffer TS
Ammonia Solution, 8, UN2672, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Hydroxide	1336-21-6	ACS
Ammonium Chloride	12125-02-9	ACS

Test	Specification
Appearance	Colorless liquid
Suitability for Use	Ca/Mg Free

Specification	Reference
Buffer	EPA (130.1)
Ammonia-Ammonium Chloride Buffer TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
623.5-32*RC	1L	Natural poly	1/ea	$191.90

Ammonium Chloride 0.1 M
Not-Regulated

Test	Specification
Actual Molarity	0.1000 +- 0.0005
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
0425-500*AQ	500mL	n/a	1/ea	$47.43

Ammonium Chloride, Low Nitrate
ACS Reagent Grade
CAS# 12125-02-9
Not-Regulated

Test	Specification	Test	Specification
Assay (NH_4Cl)	>=|99.50|No Limit|0.00	Mol Wt.	53.49
Heavy Metals (by ICP-OES)	No Limit|0.00|<=|0.005	pH of 5% Soln. @ 25°C	>=|4.50|<=|5.50
Insoluble	No Limit|0.00|<=|0.005	Phosphate	No Limit|0.00|<=|0.002
Iron	No Limit|0.00|<=|0.002	Residue after Ignition	No Limit|0.00|<=|0.01
Magnesium	No Limit|0.00|<=|0.005	Nitrate	No Limit|0.00|<=|0.001

Item #	Size	Pkg Type	Qty	List
12481*GF	500g	n/a	1/ea	$94.86
12482*GF	2.5kg	n/a	1/ea	$230.21

Ammonium Chloride / Hydroxide 4 M
Corrosive Liquid, Basic, Inorganic, n.o.s. (Ammonium Hydroxide), 8, UN3266, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Chloride	12125-02-9	ACS
Ammonium Hydroxide	1336-21-6	ACS

Test	Specification
Appearance	Colorless liquid

Item #	Size	Pkg Type	Qty	List
R0627400-1A*RC	1L	Natural poly	1/ea	$184.09

Ammonium Citrate, Dibasic
ACS Reagent Grade
CAS# 3012-65-5
Not-Regulated

Test	Specification	Test	Specification
Assay $(NH_4)_2HC_6H_5O_7$	>=|98.00|<=|103.00	Oxalate	None|0.00|None|0.00
Chloride	No Limit|0.00|<=|0.001	Phosphate	No Limit|0.00|<=|0.005
Insoluble	No Limit|0.00|<=|0.005	Residue after Ignition	No Limit|0.00|<=|0.01
Iron	No Limit|0.00|<=|0.001	Sulfur Compounds (as SO4)	No Limit|0.00|<=|0.005
Mol Wt.	226.19		

Item #	Size	Pkg Type	Qty	List
12522*GF	2.5kg	n/a	1/ea	$426.67

Ammonium Hydroxide
ACS Reagent
CAS# 1336-21-6
Ammonia Solution, 8, UN2672, PG III

Test	Specification	Test	Specification
Appearance	Colorless liquid	Nitrate (NO_3)	max 2 ppm
Assay	28.0 - 30.0% NH_3	Phosphate (PO_4)	max 2 ppm
Carbon Dioxide (CO_2)	max 0.002%	Residue after Ignition	max 0.002%
Chloride (Cl)	max 0.5 ppm	Subs. Red. Permanganate	To pass test
Heavy Metals (as Pb)	max 0.5 ppm	Sulfate (SO_4)	max 2 ppm
Iron (Fe)	max 0.2 ppm		

Item #	Size	Pkg Type	Qty	List
RABA0020-500D1*RC	500g	Glass	1/ea	$81.34
RABA0020-2.5D1*RC	2.5L	Glass	1/ea	$140.37

Ammonium Hydroxide 10% v/v
Aqueous Solution
Ammonia Solution, 8, UN2672, PG III

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
0445-500*AQ	500mL	n/a	1/ea	$36.15

Ammonium Hydroxide

Ammonium Hydroxide 28 - 30% w/w

ACS Reagent Grade
CAS# 1336-21-6
Ammonia Solution, 8, UN2672, PG III

Test	Specification	Test	Specification
Appearance	Clear liquid	Phosphate (PO_4)	2 ppm max
Assay NH_3	28.0 - 30.0% min	Sulfate (SO_4)	2 ppm max
Residue after Ignition	0.002% max	Heavy Metals (as Pb)	0.5 ppm max
Carbon Dioxide (CO_2)	0.002% max	Iron (Fe)	0.2 ppm max
Chloride (Cl)	0.5ppm max	Subs. Red. Permanganate	Passes test
Nitrate (NO_3)	2 ppm max		

Item #	Size	Pkg Type	Qty	List
A4750-500*AQ	500g	n/a	1/ea	$70.20
A4750-2.5*AQ	2.5L	n/a	1/ea	$116.95

Ammonium Hydroxide 33% v/v (1 2) Solution

Ammonia Solution, 8, UN2672, PG III

Test	Specification
Appearance & Color	Clear liquid

Item #	Size	Pkg Type	Qty	List
0470-500*AQ	500mL	n/a	1/ea	$63.18

Ammonium Hydroxide 6 N Solution

Ammonia Solution, 8, UN2672, PG III

Test	Specification
Appearance & Color	Clear water white liquid
Actual Normality	6.000 ± 0.020 N @ 20°C
N.I.S.T. Traceable	Yes

Item #	Size	Pkg Type	Qty	List
0450-1*AQ	1L	n/a	1/ea	$66.37

Ammonium Hydroxide - Ammonium Chloride Buffer - 8.7 M / 1.3 M

Ammonia Solution, 8, UN2672, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Hydroxide	1336-21-6	ACS
Ammonium Chloride	12125-02-9	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	10.50 - 10.60	186-I-g, 186-II-g, 191d

Specification	Reference
Buffer	EPA (130.1)
Ammonia-Ammonium Chloride Buffer TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
R0655000-4A*RC	4L	Natural poly	1/ea	$371.68

Ammonium Molybdate Tetrahydrate

ACS Reagent Grade
CAS# 12054-85-2
Not-Regulated

Test	Specification	Test	Specification
Arsenate, Phosphate, & Silicate (as SiO_2)	max 0.001%	Nitrate (NO_3)	To pass test
Assay	81.0 - 83.0% as MoO_3	Phosphate (PO_4)	max 5 ppm
Chloride (Cl)	max 0.002%	Potassium (K)	max 0.01%
Heavy Metals (as Pb)	max 0.001%	Sodium (Na)	max 0.01%
Insoluble Matter	max 0.005%	Sulfate (SO_4)	max 0.02%
Magnesium (Mg)	max 0.005%		

Item #	Size	Pkg Type	Qty	List
RDCA0450-500B1*RC	500g	Poly	1/ea	$251.65

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Ammonium Molybdate Tetrahydrate

ACS Reagent Grade
CAS# 12054-85-2
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline powder	Phosphate (PO_4)	5 ppm max
Assay	81.0 - 83.0%	Sulfate (SO_4)	0.02% max
Chloride (Cl)	0.002% max	Heavy Metals (as Pb)	0.001% max
Nitrate (NO_3)	Passes test	Magnesium (Mg)	0.005% max
Insoluble Matter	0.005% max	Potassium (K)	0.01% max
Arsenate, Phosphate, & Silicate (SiO_2)	0.001% max	Sodium (Na)	0.01% max

Item #	Size	Pkg Type	Qty	List
A4895-500*AQ	500g	n/a	1/ea	$367.67

Ammonium Molybdate 4% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Molybdate Tetrahydrate	12054-85-2	ACS

Test	Specification
Appearance	Colorless liquid

Specification	Reference
Ammonium Molybdate Soln.	APHA (4500-P F)
Ammonium Molybdate Soln.	APHA (4500-P E)
Ammonium Molybdate Soln.	EPA (365.1)
Ammonium Molybdate Soln.	EPA (365.2)

Item #	Size	Pkg Type	Qty	List
665-16*RC	500mL	Natural poly	1/ea	$125.90

Ammonium Molybdate

ACS Reagent Grade
CAS# 12054-85-2
Not-Regulated

Test	Specification	Test	Specification
Assay (as MoO3) (%)	>=|81.00|<=|83.00	Mol Wt.	1235.86
Chloride	No Limit|0.00|<=|0.002	Nitrate	None|0.00|None|0.00
Heavy Metals (by ICP-OES)	No Limit|0.00|<=|0.001	Phosphate	No Limit|0.00|<=|0.005
Insoluble	No Limit|0.00|<=|0.005	Potassium	No Limit|0.00|<=|0.01
Magnesium	No Limit|0.00|<=|0.005	Sodium	No Limit|0.00|<=|0.01

Item #	Size	Pkg Type	Qty	List
12951*GF	500g	n/a	1/ea	$304.36

Ammonium Molybdate 4.2 g/L in 1 N Sulfuric Acid

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS
Ammonium Molybdate Tetrahydrate	12054-85-2	ACS

Test	Specification
Appearance	Colorless liquid
Suitability for Use	Passes test

Item #	Size	Pkg Type	Qty	List
658-5*RC	20L	Cubitainer®	1/ea	$893.84

Ammonium Nitrate

ACS Reagent, Crystal
CAS# 6484-52-2
Ammonium Nitrate, 5.1, UN1942, PG III

Test	Specification	Test	Specification
Appearance	White crystalline powder	Chloride (Cl)	5 ppm max
Assay	95.0% min	Nitrite (NO_2)	Passes test
Insoluble Matter	0.005% max	Phosphate (PO_4)	5 ppm max
Residue after Ignition	0.01% max	Sulfate (SO_4)	0.002% max

Item #	Size	Pkg Type	Qty	List
A4955-125*AQ	125g	n/a	1/ea	$28.63
A4955-500*AQ	500g	n/a	1/ea	$72.20
A4955-2.5*AQ	2.5kg	n/a	1/ea	$279.62

Ammonium Nitrate
ACS Reagent Grade
CAS# 6484-52-2
Ammonium Nitrate, 5.1, UN1942, PG III

Test	Specification	Test	Specification
Assay	>=|95.00|No Limit|0.00	Mol Wt.	80.04
Chloride	No Limit|0.00|<=|0.005	Nitrite	None|0.00|None|0.00
Heavy Metals (as Pb)	No Limit|0.00|<=|0.005	Phosphate	No Limit|0.00|<=|0.005
Insoluble	No Limit|0.00|<=|0.005	Residue after Ignition	No Limit|0.00|<=|0.01
Iron	No Limit|0.00|<=|0.002		

Item #	Size	Pkg Type	Qty	List
13001*GF	500g	n/a	1/ea	$78.25
13002*GF	2.5kg	n/a	1/ea	$214.21

Ammonium Oxalate
ACS Reagent Grade, Crystal
CAS# 6009-70-7
Not-Regulated

Test	Specification	Test	Specification
Appearance	White solid	Chloride (Cl)	0.002% max
Assay	99.0 - 101.0%	Sulfate (SO_4)	0.002% max
Insoluble Matter	0.005% max	Heavy Metals (as Pb)	5 ppm max
Residue after Ignition	0.02% max		

Item #	Size	Pkg Type	Qty	List
A5075-500*AQ	500g	n/a	1/ea	$144.40

Ammonium Oxalate 4% w/v Solution
Not-Regulated

Name	CAS#	%
Water	7732-18-5	96.053%
Ammonium Oxalate	6009-70-7	3.947%

Test	Specification
Appearance	Clear liquid

Item #	Size	Pkg Type	Qty	List
0506-1*AQ	1L	n/a	1/ea	$65.53

Ammonium Persulfate
ACS Reagent Grade
CAS# 7727-54-0
Ammonium Persulfate, 5.1, UN1444, PG III

Test	Specification	Test	Specification
Assay	>=|98.00|No Limit|0.00	Manganese	No Limit|0.00|<=|0.005
Heavy Metals (Pb)	No Limit|0.00|<=|0.005	Mol Wt.	228.19
Insoluble	No Limit|0.00|<=|0.005	Residue after Ignition	No Limit|0.00|<=|0.05
Iron	No Limit|0.00|<=|0.001	Titrable Free Acid (meq/g)	No Limit|0.00|<=|0.04

Item #	Size	Pkg Type	Qty	List
13221*GF	500g	n/a	1/ea	$108.28
13222*GF	2.5kg	n/a	1/ea	$345.50

Ammonium Persulfate
ACS Reagent Grade
CAS# 7727-54-0
Ammonium Persulfate, 5.1, UN1444, PG III

Test	Specification	Test	Specification
Assay	min 98.0%	Iron (Fe)	max 0.001%
Chloride & Chlorate (as Cl)	max 0.001%	Manganese (Mn)	max 0.5 ppm
Heavy Metals (as Pb)	max 0.005%	Residue after Ignition	max 0.05%
Insoluble Matter	max 0.005%	Titrable Free Acid	max 0.04 meq/g

Item #	Size	Pkg Type	Qty	List
RDCA0470-500B1*RC	500g	Poly	1/ea	$119.03

Ammonium Persulfate
Laboratory Grade, Crystal
CAS# 7727-54-0
Ammonium Persulfate, 5.1, UN1444, PG III

Test	Specification	Test	Specification
Appearance	White crystalline powder	Iron	5.0 ppm max
APS	99.0% min	Sulfuric Acid	0.10% max
Active Oxygen	6.94% min	Moisture @ 60°C	0.06% max

Item #	Size	Pkg Type	Qty	List
A5188-500*AQ	500g	n/a	1/ea	$81.13

Ammonium Persulfate
ACS Reagent Grade, Crystal
CAS# 7727-54-0
Ammonium Persulfate, 5.1, UN1444, PG III

Test	Specification	Test	Specification
Appearance	White crystalline powder	Chloride & Chlorate (as Cl)	0.001% max
Assay	98.0% min	Heavy Metals (as Pb)	0.005% max
Insoluble Matter	0.005% max	Iron (Fe)	0.001% max
Residue after Ignition	0.05% max	Maganese (Mn)	0.5 ppm max
Titrable Free Acid	0.04 meq/g max		

Item #	Size	Pkg Type	Qty	List
A5185-125*AQ	125g	n/a	1/ea	$40.67
A5185-500*AQ	500g	n/a	1/ea	$90.05
A5185-2.5*AQ	2.5kg	n/a	1/ea	$351.17

Ammonium Phosphate Solution
APHA for Sulfide
Not-Regulated

Name	CAS#	%
Water	7732-18-5	66.667%
Ammonium Phosphate Dibasic	7783-28-0	33.333%

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
0520-500*AQ	500mL	n/a	1/ea	$54.85

Ammonium Phosphate Solution 400 g $(NH_4)_2HPO_4$ + 800 mL Water
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Phosphate Dibasic	7783-28-0	ACS

Test	Specification
Appearance	Colorless liquid

Specification	Reference
Diammonium Hydrogen Phosphate Soln.	APHA (4500-S2- D)
Diammonium Hydrogen Phosphate Soln.	EPA (376.2)

Item #	Size	Pkg Type	Qty	List
690-4*RC	120mL	Natural poly	1/ea	$91.90
690-16*RC	500mL	Natural poly	1/ea	$95.76

Ammonium Sulfate
ACS Reagent Grade
CAS# 7783-20-2
Not-Regulated

Test	Specification	Test	Specification
Assay	min 99.0%	Nitrate (NO_3)	max 0.001%
Chloride	max 5 ppm	pH of 5% Soln.	5.0 - 6.0
Heavy Metals (as Pb)	max 5 ppm	Phosphate (PO_4)	max 5 ppm
Insoluble Matter	max 0.005%	Residue after Ignition	max 0.005%
Iron (Fe)	max 5 ppm		

Item #	Size	Pkg Type	Qty	List
RDCA0520-500B1*RC	500g	Poly	1/ea	$112.84

Ammonium Sulfate
ACS Reagent Grade, Granular
CAS# 7783-20-2
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline powder	Nitrate (NO_3)	0.001% max
Assay	99.0% min	Phosphate (PO_4)	5 ppm max
Total Phosphorus%P_2O_5	61.00% min	Calcium (Ca)	0.5 ppm max
pH (5% Soln. @ 25°C)	5.0 - 6.0	Iron (Fe)	0.5 ppm max
Insoluble Matter	0.005% max	Magnesium (Mg)	0.1 ppm max
Residue after Ignition	0.005% max	Heavy Metals (as Pb)	0.5 ppm max
Chloride (Cl)	5 ppm max	Zinc (Zn)	0.5 ppm max

Item #	Size	Pkg Type	Qty	List
A5825-500*AQ	500g	n/a	1/ea	$68.06
A5825-2.5*AQ	2.5kg	n/a	1/ea	$175.59
A5825-12*AQ	12kg	n/a	1/ea	$449.87

Ammonium Sulfide TS

Ammonium Sulphide Solution, 8 (6.1, 3), UN2683, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrogen Sulfide	7783-06-4	CP
Ammonium Hydroxide	1336-21-6	ACS

Test	Specification
Appearance	Yellow liquid
Residue after Ignition	max 0.05%
Suitability for Use	No Turbidity with Magnesium Sulfate TS

Specification	Reference
Ammonium Sulfide TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
R0694600-120C*RC	120mL	Amb glass	1/ea	$270.56

Ammonium Tetrafluoroborate, 97%

CAS# 13826-83-0

Corrosive Solids, n.o.s. (Ammonium Tetrafluoroborate), 8, UN1759, PG II

Test	Specification	Test	Specification
Assay	>=|97.00|No Limit|0.00	Mol Wt.	104.87

Item #	Size	Pkg Type	Qty	List
13371*GF	500g	n/a	1/ea	$168.96

Ammonium Thiocyanate 0.100 N (N/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Thiocyanate	1762-95-4	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Silver Nitrate/Volhard's Indicator)	0.0999 - 0.1001 N @ 20°C	999

Specification	Reference
Ammonium Thiocyanate, 0.1 N	TAPPI (T 613 cm-83)
Ammonium Thiocyanate, 0.1 N Vs	ASTM (E 200)
Ammonium Thiocyanate, 0.1 N	TAPPI (T 610 sp-97)
0.1M Ammonium Thiocyanate Vs	EP (3000500)
Ammonium Thiocyanate, Tenth-N (0.1 N) Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
695-1*RC	4L	Natural poly	1/ea	$171.14

Ammonium Vanadate Solution for Phosphate

Not-Regulated

Name	CAS#	%
Water	7732-18-5	97.75%
Nitric Acid	7697-37-2	2.0%
Ammonium Metavanadate	7803-55-6	0.25%

Item #	Size	Pkg Type	Qty	List
0540-1*AQ	1L	n/a	1/ea	$57.19

Anion Standard Set, 1000 ppm F^-, Cl^-, Br^-, NO_2^-, NO_3^-, PO_4^{3-}, & SO_4^{2-}

Not-Regulated

Kit Component Part #	Kit Component Product Name
1180	Bromide Std., 1000 ppm Br^-
1955	Chloride Std., 1000 ppm Cl^- (0.0282 N)
3173	Fluoride Std., 1000 ppm F^-
5307	Nitrate Std., 1000 ppm NO_3^- (226 ppm N)
5445	Nitrite Std., 1000 ppm NO_2^- (304.5 ppm N)
5839	Phosphate Std., 1000 ppm PO_4^{3-} (326 ppm P)
8112	Sulfate Std., 1000 ppm SO_4^{2-}

Item #	Size	Pkg Type	Qty	List
R0754000-500A*RC	kit	n/a	1/ea	$865.61

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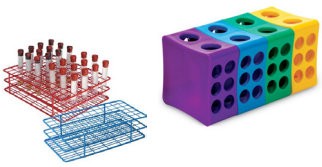

Anions Multi-Standard Solution 250 ppm F, 500 ppm Cl, 250 ppm NO_3-N, 500 ppm PO_4, 500 ppm SO_4

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP

Test	Specification
Appearance	Colorless liquid

Analyte	Analysis (ppm)	Solute	CAS#	Grade
Nitrogen (N)	247 - 253 ppm	Potassium Nitrate	7757-79-1	High Purity
Chloride (Cl)	495 - 505 ppm	Sodium Chloride	7647-14-5	High Purity
Sulfate (SO4)	495 - 505 ppm	Sodium Sulfate Anhydrous	7757-82-6	ACS
Phosphate (PO4)	495 - 505 ppm	Potassium Dihydrogen Phosphate	7778-77-0	High Purity
Fluoride (F)	247 - 253 ppm	Sodium Fluoride	7681-49-4	High Purity

Item #	Size	Pkg Type	Qty	List
753-16*RC	500mL	Natural poly	1/ea	$191.32

HydroSpec® Coulometric AG General Purpose Anolyte Solution for Cells With or Without Diaphragm

Methanol Solution, 3, UN1230, PG II

Name	CAS#	Name	CAS#
Methyl Alcohol	67-56-1	Diethanolamine	111-42-2
Sulfur Dioxide	7446-09-5	Imidazolium Iodide	68007-08-9
Imidazole	288-32-4		

Test	Specification
Suitability for Use	KF Titration
Water (H_2O)	0.002 - 0.030%

Item #	Size	Pkg Type	Qty	List
RK100000-1C*RC	1L	Amb glass	1/ea	$266.25

Ascorbic Acid (Vitamin C)

ACS Reagent Grade, Crystal

CAS# 50-81-7

Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline powder	Residue after Ignition	0.1% max
Assay	99.0% min	Iron (Fe)	0.001% max
Heavy Metals (as Pb)	0.002% max		

Item #	Size	Pkg Type	Qty	List
A8899-125*AQ	125g	n/a	1/ea	$68.06
A8899-500*AQ	500g	n/a	1/ea	$196.98

Ascorbic Acid (Vitamin C)

Laboratory Grade, Crystal

CAS# 50-81-7

Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline powder	Lead (Pb)	≤ 2 ppm
Assay	99.0 - 100.5%	Copper Salts	≤ 5 ppm
pH	2.1 - 2.6	Iron (Fe)	≤ 2 ppm
Heavy Metals (as Pb)	≤ 10 ppm	Moisture	≤ 0.15%
Residue on Ignition (Sulfated Ash)	≤ 0.1%	Mercury (Hg)	≤ 1 ppm

Item #	Size	Pkg Type	Qty	List
A8900-125*AQ	125g	n/a	1/ea	$59.41
A8900-500*AQ	500g	n/a	1/ea	$135.46

Barium Chloride 0.100 N (N/10) 0.0500 M (M/20)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Barium Chloride Dihydrate	10326-27-9	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. EDTA/Metalphthalein)	0.0999 - 0.1001 N @ 20°C	915

Item #	Size	Pkg Type	Qty	List
880-32*RC	1L	Natural poly	1/ea	$123.57

Barium Chloride 10% w/v

Not-Regulated

Test	Specification
Actual Assay	10.000 ± 0.500 w/v% BaCl
Appearance & Color	Clear-slightly hazy liquid

Item #	Size	Pkg Type	Qty	List
0910-1*AQ	1L	n/a	1/ea	$38.66

Barium Chloride 20% w/v

Barium Compounds, n.o.s. (Barium Chloride), 6.1, UN1564, PG III

Test	Specification
Actual Assay	20.0 +- 0.1% Barium Chloride
Appearance & Color	Clear-slightly hazy liquid

Item #	Size	Pkg Type	Qty	List
0920-1*AQ	1L	n/a	1/ea	$54.16

Barium Chloride 20% (w/v)

Toxic Liquid, Inorganic, n.o.s. (Barium Chloride), 6.1, UN3287, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Barium Chloride Dihydrate	10326-27-9	ACS

Test	Specification
Appearance	Colorless liquid
Assay (by Refractive Index)	19.5 - 20.5% (w/v)

Item #	Size	Pkg Type	Qty	List
855-32*RC	1L	Natural poly	1/ea	$82.84

Barium Chloride Dihydrate

ACS Reagent Grade, Crystal
CAS# 10326-27-9
Barium Compounds, n.o.s. (Barium Chloride), 6.1, UN1564, PG III

Test	Specification	Test	Specification
Appearance	White solid	Calcium (Ca)	0.05% max
Assay	99.0% min	Potassium (K)	0.0025% max
Loss on Drying	14.0 - 16.0%	Sodium (Na)	0.005% max
pH of 5% Soln. @ 25°C	5.2 - 8.2	Strontium (Sr)	0.1% max
Insoluble Matter	0.005% max	Heavy Metals (as Pb)	5 ppm max
Oxidizing Subs. (as NO_3)	0.005% max	Iron (Fe)	2 ppm max

Item #	Size	Pkg Type	Qty	List
B0360-500*AQ	500g	n/a	1/ea	$81.22
B0360-2.5*AQ	2.5kg	n/a	1/ea	$214.54

Barium Chloride Dihydrate

ACS Reagent Grade
CAS# 10326-27-9
Barium Compounds, n.o.s. (Barium Chloride), 6.1, UN1564, PG III

Test	Specification	Test	Specification
Assay	min 99.0%	Oxidizing Subs. (as NO_3)	max 0.005%
Calcium (Ca)	max 0.05%	pH of 5% Soln.	5.2 - 8.2
Heavy Metals (as Pb)	max 5 ppm	Potassium (K)	max 0.0025%
Insoluble Matter	max 0.005%	Sodium (Na)	max 0.005%
Iron (Fe)	max 2 ppm	Strontium (Sr)	max 0.1%
Loss on Drying @ 150°C	14.0 - 16.0%		

Item #	Size	Pkg Type	Qty	List
RDCB0080-500B1*RC	500g	Poly	1/ea	$121.11

Barium Chloride, Dihydrate

ACS Reagent Grade
CAS# 10326-27-9
Barium Compounds, n.o.s. (Barium Chloride), 6.1, UN1564, PG III

Test	Specification	Test	Specification
Assay	>=|99.00|No Limit|0.00	Oxidizing Subs. (as NO_3) (%)	No Limit|0.00|<=|0.005
Heavy Metals (by ICP-OES)	No Limit|0.00|<=|0.005	Potassium	No Limit|0.00|<=|0.0025
Insoluble	No Limit|0.00|<=|0.005	Sodium	No Limit|0.00|<=|0.005
Iron	No Limit|0.00|<=|0.002	Strontium	No Limit|0.00|<=|0.10
Mol Wt.	244.28		

Item #	Size	Pkg Type	Qty	List
14201*GF	500g	n/a	1/ea	$103.38

Barium Diphenylaminesulfonate 0.1% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Barium Diphenylamine Sulfonate	1300-92-1	Reagent

Test	Specification
Appearance	Colorless to light gray-blue liquid
Suitability for Use	Will change from colorless to reddish-violet at end-point

Specification	Reference
Barium Diphenylaminesulfonate, 0.1%	APHA (4500-ClO2 D)
Barium Diphenylaminesulfonate, 0.1%	APHA (4500-Cl F)

Item #	Size	Pkg Type	Qty	List
884-4*RC	120mL	Natural poly	1/ea	$66.20

Barium Diphenylamine- Sulfonate 0.1% Solution

APHA for Residual Chlorine
Not-Regulated

Test	Specification
APHA for Residual Chlorine	Yes
Actual Assay	0.10 +- 0.01% w/v
Appearance & Color	Clear water white to light blue Liquid

Item #	Size	Pkg Type	Qty	List
0935-100*AQ	100mL	n/a	1/ea	$30.10

Benedict's Reagent, Qualitative for detection of Reducing Sugars

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Citrate Dihydrate	6132-04-3	USP
Sodium Carbonate	497-19-8	ACS
Copper Sulfate Pentahydrate	7758-99-8	ACS

Test	Specification
Appearance	Blue liquid

Specification	Reference
Benedict's Soln.	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
930-16*RC	500mL	Natural poly	1/ea	$54.73
930-32*RC	1L	Natural poly	1/ea	$86.33

Benzethonium Chloride 0.004 M (N)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Benzethonium Chloride	121-54-0	USP

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Silver Nitrate/Potassium Chromate)	0.00396 - 0.00404 M (N)	999

Item #	Size	Pkg Type	Qty	List
955-16*RC	500mL	Natural poly	1/ea	$308.89

Benzoic Acid

ACS Reagent Grade, Crystal
CAS# 65-85-0
Not-Regulated

Test	Specification
Appearance & Color	Colorless or white solid; may become pink on exposure to air and light
Assay	99.0 - 100.5%
Insoluble Matter	0.005% max
Residue after Ignition	0.01% max
Titrable Acid	0.004 meq/g max
Melting Point	109 - 112°C max

Item #	Size	Pkg Type	Qty	List
B1700-500*AQ	500mL	n/a	1/ea	$123.37
B1700-125*AQ	125g	n/a	1/ea	$61.99
B1700-2.5*AQ	2.5kg	n/a	1/ea	$421.25

Benzoic Acid
Laboratory Grade, Crystal
CAS# 65-85-0
Not-Regulated

Appearance:	Colorless or white solid; may become pink on exposure to air and light		
Test	**Specification**	**Test**	**Specification**
Assay	99.98% min	Heavy Metals	10 mg/kg max
Benzyl Benzoate	30 mg/kg max	Iron (Fe)	1 mg/kg max
Carbonizable Subs.	<Q Matching Fluid	Phenol	0.2 mg/kg max
Chloride, as Cl-	10 mg/kg max	Phthalic Acid	50 mg/kg max
Color	10 mg/kg max	Residue on Ignition	005% (m/m) max
Water (Karl Fisher)	0.1% (m/m) max	Sulphated Ash	0.01% (m/m) max
Halogenated Compounds, as Cl-	10 mg/kg max	Total Chlorine, as Cl-	10 mg/kg max

Item #	Size	Pkg Type	Qty	List
B1702-500*AQ	500g	n/a	1/ea	$72.19
B1702-2.5*AQ	2.5kg	n/a	1/ea	$240.72

Bismuth ICP Standard 1000 ppm Bi in 3% HNO_3
Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#
Water	7732-18-5
Nitric Acid	7697-37-2
Bismuth	7440-69-9

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Bismuth (Bi)	995 - 1005 ppm	3106

Item #	Size	Pkg Type	Qty	List
PBI1KN-100*RC	100mL	Natural LDPE	1/ea	$137.89

Biuret Reagent TS
Corrosive Liquid, Basic, Inorganic, n.o.s. (Sodium Hydroxide), 8, UN3266, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent
Potassium Sodium Tartrate Tetrahydrate	6381-59-5	ACS
Copper Sulfate Pentahydrate	7758-99-8	ACS

Test	Specification
Appearance	Blue liquid
Suitability for Use	Violet color in presence of Pepsin

Specification	Reference
Biuret Reagent R	EP (1011601)
Biuret Reagent TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
1025-100*RC	100mL	Natural poly	1/ea	$22.81

Biuret Solution, Single Stable Solution
Corrosive Liquid, n.o.s. (Sodium Hydroxide), 8, UN1760, PG II

Test	Specification
Appearance & Color	Clear blue liquid

Item #	Size	Pkg Type	Qty	List
B2778-500*AQ	500mL	n/a	1/ea	$27.63

Borate Buffer pH 9.5 for Ammonia & Organic Nitrogen Analysis
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Tetraborate Decahydrate	1303-96-4	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	9.4 - 9.6	186-I-g, 186-II-g, 191d

Specification	Reference	Specification	Reference
Borate Buffer Soln.	APHA (4500-Norg C)	Borate Buffer	EPA (350.2)
Borate Buffer Soln.	APHA (4500-NH3 B)	Borate Buffer Soln.	ASTM (D 1426 X1)
Borate Buffer Soln.	APHA (4500-Norg B)		

Item #	Size	Pkg Type	Qty	List
1040-16*RC	500mL	Natural poly	1/ea	$65.43
1040-32*RC	1L	Natural poly	1/ea	$93.46

Borate Buffer pH 9.5
APHA for Ammonia Nitrogen
Not-Regulated

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1280-500*AQ	500mL	n/a	1/ea	$27.57

Borate Buffer pH 10.5
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Tetraborate Decahydrate	1303-96-4	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	10.48 - 10.52	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
R1048000-500A*RC	500mL	Natural poly	1/ea	$167.32

Bromide-Bromate 0.025 N
Not-Regulated

Test	Specification
Appearance & Color	Clear water white liquid
Actual Normality	0.0245 - 0.0255

Item #	Size	Pkg Type	Qty	List
1362-20*AQ	500mL	n/a	1/ea	$219.47

Bromide Standard 1000 ppm Br^-
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Bromide	7647-15-6	High Purity

Test	Specification
Appearance	Colorless liquid
Bromide (Br)	995 - 1005 ppm

Specification	Reference
Bromide Soln., Std. (1 mL = 1 mg Br^-)	ASTM (D 3869 D)
Std. Bromide Soln., 1000 mg/L	APHA (4110 B)
Bromide Stock Soln. (1.00 mL = 1.00 mg Br^-)	EPA (SW-846) (9056), ASTM (D 4327)
Sodium Bromide Std. Soln., 1000 mg/L	ASTM (D 1246)

Item #	Size	Pkg Type	Qty	List
1180-16*RC	500mL	Natural poly	1/ea	$94.24

Bromine Number Titration Solvent
ASTM 1159 & ASTM D 2710
Corrosive Liquid, Flammable, n.o.s. (Acetic Acid, Methanol), 8, UN2920, PG II

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1368-4*AQ	4L	n/a	1/ea	$329.15

Bromocresol Green Sodium Salt
ACS Reagent Grade
CAS# 62625-32-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	Red solid	Loss on Drying	< 5%
Clarity of Soln.	Passes test	Residue on Ignition	< 0.5%
Visual Transition Interval	pH 3.8 (Yellow) - pH 5.4 (Blue)		

Item #	Size	Pkg Type	Qty	List
B7078-25*AQ	25g	n/a	1/ea	$170.61

Need electrodes, or storage Soln.s for your electrodes? We have those too.

Bromocresol Green 0.04% w/v Solution

Indicator Solution
Not-Regulated

Test	Specification
Appearance & Color	Clear green liquid
pH	pH 3.8 Yellow - 5.4 Green

Item #	Size	Pkg Type	Qty	List
1370-1*AQ	1L	n/a	1/ea	$57.24

Bromocresol Green Indicator 0.04% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Bromocresol Green, Sodium Salt	62625-32-5	ACS

Test	Specification
Appearance	Dark blue liquid
Suitability for Use	Blue (pH >5.4) - Green (pH 4.5) - Yellow (pH < 4.0)

Item #	Size	Pkg Type	Qty	List
1200-4*RC	120mL	Natural poly	1/ea	$37.29

Bromocresol Green TS 0.05% (w/v) Alcoholic Solution

Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Bromocresol Green, Sultone	76-60-8	ACS

Test	Specification
Appearance	Orange liquid
Suitability for Use	Blue (pH >5.4) - Green (pH 4.5) - Yellow (pH < 3.8)

Specification	Reference
Bromocresol Green TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
1202-16*RC	500mL	Natural poly	1/ea	$62.77

Bromocresol Green Indicator 0.1% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Bromocresol Green, Sodium Salt	62625-32-5	ACS

Test	Specification
Appearance	Dark blue liquid
Suitability for Use	Blue (pH >5.4) - Green (pH 4.5) - Yellow (pH < 4.0)

Specification	Reference
Bromcresol Green Indic. Soln. (1 g/L)	ASTM (D 1067 B)
Bromcresol Green Indic. Soln., pH 4.5 Indicator	APHA (2320 B)
Bromcresol Green Indic. Soln.	APHA (3500-Al B), APHA (7500-Ra B)

Item #	Size	Pkg Type	Qty	List
1205-16*RC	500mL	Natural poly	1/ea	$79.28

Bromocresol Green 0.1% w/v Aqueous Solution

Indicator Solution
Not-Regulated

Test	Specification
Wt% Bromocresol Green	0.10 ± 0.01
pH	pH 3.8 Yellow - 5.4 Green
Appearance & Color	Clear green Liquid

Item #	Size	Pkg Type	Qty	List
1372-500*AQ	500mL	n/a	1/ea	$37.88

Be sure to grab an ACC-SAFE enclosed chamber verification bottle thermometer for your refrigerator.

Bromocresol Green - Methyl Red Indicator Solution

APHA For Alkalinity
Not-Regulated

Test	Specification
Appearance	Dark green-blue Liquid
pH range	4.6 (Pink) to 5.2 (Blue-green)

Item #	Size	Pkg Type	Qty	List
1380-500*AQ	500mL	n/a	1/ea	$30.84

Bromocresol Green - Methyl Red Indicator in IPA

Flammable Liquid, n.o.s. (Isopropanol), 3, UN1993, PG II

Test	Specification
Appearance	Clear red liquid

Item #	Size	Pkg Type	Qty	List
1385-500*AQ	500mL	n/a	1/ea	$52.15

Bromocresol Green-Methyl Red Mixed Indicator

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Bromocresol Green, Sodium Salt	62625-32-5	ACS
Methyl Red, Sodium Salt	845-10-3	ACS

Test	Specification
Appearance	Dark colored liquid
Suitability for Use	Greenish-blue (pH 5.4) - Light pink (pH 4.5), with Gray warning color

Specification	Reference
Mixed Bromcresol Green-methyl Red Indic. Soln., Aqueous	APHA (2320 B)

Item #	Size	Pkg Type	Qty	List
1215-16*RC	500mL	Natural poly	1/ea	$96.82
1215-32*RC	1L	Natural poly	1/ea	$163.75

Bromocresol Green-Methyl Red Mixed Indicator, Alcoholic

Flammable Liquid, n.o.s. (Isopropanol), 3, UN1993, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Isopropyl Alcohol	67-63-0	ACS
Bromocresol Green, Sodium Salt	62625-32-5	ACS
Methyl Red, Sodium Salt	845-10-3	ACS

Test	Specification
Appearance	Dark colored liquid
Suitability for Use	Greenish-blue (pH 5.4) - Light pink (pH 4.5), with Gray warning color

Specification	Reference
Mixed Bromcresol Green-Methyl Red Indic. Soln.	APHA (2320 B)

Item #	Size	Pkg Type	Qty	List
1220-16*RC	500mL	Natural poly	1/ea	$147.17

Bromocresol Green-Methyl Red Mixed Indicator

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Bromocresol Green, Sodium Salt	62625-32-5	ACS
Methyl Red, Sodium Salt	845-10-3	ACS

Test	Specification
Appearance	Dark colored liquid
Suitability for Use	Greenish-blue (pH 5.4) - Light pink (pH 4.5), with Gray warning color

Specification	Reference
Mixed Bromcresol Green-Methyl Red Indic. Soln., Aqueous	APHA (2320 B)

Item #	Size	Pkg Type	Qty	List
1215-4*RC	120mL	Natural poly	1/ea	$62.70

Bromocresol Purple Indicator 0.04% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Bromocresol Purple, Sodium Salt	62625-30-3	Indicator

Test	Specification
Appearance	Red liquid
Suitability for Use	Yellow (pH < 5.2) - Purple (pH > 6.8)

Item #	Size	Pkg Type	Qty	List
1300-4*RC	120mL	Natural poly	1/ea	$41.75

Bromocresol Purple 0.1% (w/v) in Denatured Ethanol

Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Bromocresol Purple	115-40-2	Indicator

Test	Specification
Appearance	Orange liquid
Suitability for Use	Yellow (pH < 5.2) - Purple (pH > 6.8)

Item #	Size	Pkg Type	Qty	List
R1304000-500C*RC	500mL	Amb glass	1/ea	$77.04

Bromocresol Purple 0.1% w/v Aqueous

Indicator Solution
Not-Regulated

Test	Specification
Wt% Bromophenol Purple	0.10 ± 0.01
pH	pH 5.2 Yellow - 6.8 Purple
Appearance & Color	Clear purple-blue liquid

Item #	Size	Pkg Type	Qty	List
1395-500*AQ	500mL	n/a	1/ea	$51.65
1395-1*AQ	1L	n/a	1/ea	$69.54

Bromophenol Blue 0.04% w/v Aqueous

Indicator Solution
Not-Regulated

Test	Specification
pH	pH 3.0 Yellow - 4.6 Blue
Wt% Bromophenol Blue	0.04 ± 0.01
Appearance & Color	Purple liquid

Item #	Size	Pkg Type	Qty	List
1400-500*AQ	500mL	n/a	1/ea	$31.32

Bromophenol Blue Indicator 0.04% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Bromocresol Blue, Sodium Salt	62625-28-9	ACS

Test	Specification
Appearance	Dark reddish-purple liquid
Suitability for Use	Yellow (pH < 3.0) - Green (pH 3.4 to 3.7) - Blue (pH >4.6)

Item #	Size	Pkg Type	Qty	List
1350-4*RC	120mL	Natural poly	1/ea	$41.30
1350-16*RC	500mL	Natural poly	1/ea	$57.57
1350-32*RC	1L	Natural poly	1/ea	$94.77

Bromophenol Blue 0.1% w/v in Ethanol

Flammable Liquid, n.o.s. (Ethanol), 3, UN1993, PG II

Test	Specification
Appearance & Color	Clear orange liquid

Item #	Size	Pkg Type	Qty	List
1407-100*AQ	100mL	n/a	1/ea	$27.82

Bromophenol Blue 0.1% w/v Solution

APHA for Acidity
Indicator Solution
Not-Regulated

Test	Specification
Wt% Bromophenol Blue	0.10 ± 0.01
pH	pH 3.0 Yellow - 4.6 Blue
Appearance & Color	Clear blue-purple liquid

Item #	Size	Pkg Type	Qty	List
1405-500*AQ	500mL	n/a	1/ea	$44.30

Bromophenol Blue Indicator 0.1% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Bromophenol Blue, Sodium Salt	62625-28-9	ACS

Test	Specification
Appearance	Dark reddish-purple liquid
Suitability for Use	Yellow (pH < 3.0) - Green (pH 3.4 to 3.7) - Blue (pH >4.6)

Specification	Reference
Bromophenol Blue Indic. Soln. (1 g/L)	ASTM (D 3869 B)
Bromphenol Blue Indic. Soln., pH 3.7 Indicator	APHA (2310 B)
Bromophenol Blue Indicator	TAPPI (T 249 cm-85)
Bromophenol Blue, Aqueous	TAPPI (T 610 sp-97)
Bromphenol Blue Indicator RS	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
1353-16*RC	500mL	Natural poly	1/ea	$78.91
1353-32*RC	1L	Natural poly	1/ea	$130.91

Bromophenol Blue Indicator 0.4% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Bromophenol Blue, Sodium Salt	62625-28-9	ACS

Test	Specification
Appearance	Dark reddish-purple liquid
Suitability for Use	Yellow (pH < 3.0) - Blue (pH >4.6)

Item #	Size	Pkg Type	Qty	List
1360-16*RC	500mL	Natural poly	1/ea	$132.87

Bromophenol Blue TS 0.1% (w/v) in Dilute Alcohol

Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Bromophenol Blue, Sodium Salt	62625-28-9	ACS

Test	Specification
Appearance	Blue liquid
Suitability for Use	Yellow (pH < 3.0) - Blue (pH > 4.6)

Specification	Reference
Bromophenol Blue Indic. Soln. (0.1 g/100 mL)	ASTM (D 3866 A)
Bromphenol Blue Indic. Soln. (1 g/L)	ASTM (D 3557 B), ASTM (D 3558 B), ASTM (D 1688 B)
Bromphenol Blue Indic. Soln. (1 g/L)	ASTM (D 3559 B), ASTM (D 1886 B), ASTM (D 1691 B)
Bromophenol Blue Indic. Soln.	EPA (218.3), EPA (SW-846) (7197), EPA (218.4)
Bromophenol Blue Indicator (1 g/L)	EPA (METALS)
Bromphenol Blue Indic. Soln. (1 g/L)	ASTM (D 3372)
Bromophenol Blue TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
1357-16*RC	500mL	Natural poly	1/ea	$243.47

Bromothymol Blue 0.04% w/v Aqueous

Indicator Solution
Not-Regulated

Test	Specification
Appearance & Color	Dark blue liquid

Item #	Size	Pkg Type	Qty	List
1410-500*AQ	500mL	n/a	1/ea	$31.32

Bromothymol Blue Indicator 0.04% (w/v) for Glassware Residue Detection

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Bromothymol Blue Sodium Salt	34722-90-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Dark colored liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	6.7 - 6.9	185i, 186-I-g, 186-II-g
Suitability for Use	Yellow (pH < 6.0) - Green (pH 6.7) - Blue (pH >7.6)	

Item #	Size	Pkg Type	Qty	List
1375-4*RC	120mL	Natural poly	1/ea	$38.81
1375-16*RC	500mL	Natural poly	1/ea	$62.34

Bromothymol Blue Sodium Salt

ACS Reagent Grade
CAS# 34722-90-2
Not-Regulated

Test	Specification
Appearance & Color	Green to yellow, orange to brown-black powder
Loss on Drying @ 110°C (1hr)	< 5%
Clarity of Soln.	Passes test
Visual Transition Interval	pH 6.0 (Yellow) - pH 7.6 (Blue)

Item #	Size	Pkg Type	Qty	List
B7113-5*AQ	5g	n/a	1/ea	$54.16

Buffer Reference Solution pH 1.01

N.I.S.T. Traceable
Not-Regulated

Test	Specification
pH	pH 1.010 +/- 0.010 @ 25°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1430-500*AQ	500mL	n/a	1/ea	$24.15
1430-1*AQ	1L	n/a	1/ea	$36.24

Buffer Reference Standard pH 1.68 ± 0.01 @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	1.670 - 1.690	0.02	185i, 186-I-g, 186-II-g

Item #	Size	Pkg Type	Qty	List
1492-16*RC	500mL	Natural poly	1/ea	$60.76
1492-1*RC	4L	Natural poly	1/ea	$177.85

Buffer Reference Solution pH 2.0

N.I.S.T. Traceable
Not-Regulated

Test	Specification
pH	pH 2.00 +- 0.01 @ 25°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1440-500*AQ	500mL	n/a	1/ea	$24.15
1440-1*AQ	1L	n/a	1/ea	$36.24
1440-4*AQ	4L	n/a	1/ea	$65.38

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Buffer Reference Standard pH 2.00 ± 0.01 @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	1.990 - 2.010	0.02	185i, 186-I-g, 186-II-g

Item #	Size	Pkg Type	Qty	List
1493-16*RC	500mL	Natural poly	1/ea	$45.63
1493-32*RC	1L	Natural poly	1/ea	$52.44
1493-1*RC	4L	Natural poly	1/ea	$163.42
1493-2.5*RC	10L	Cubitainer®	1/ea	$244.80

Buffer Reference Standard pH 3.00 ± 0.01 @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Acid Phthalate	877-24-7	Buffer
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	2.990 - 3.010	0.02	185i, 186-I-g, 186-II-g

Item #	Size	Pkg Type	Qty	List
1495-16*RC	500mL	Natural poly	1/ea	$46.38

Buffer Pack - pH 4, 7 & 10 (Red, Yellow, Blue)

FOXPURE®
Not-Regulated

Kit Component	Component Product
B440-500A	Buffer, Reference Std., pH 4.00 ± 0.01 @ 25°C (Color Coded Red)
B770-500A	Buffer, Reference Std., pH 7.00 ± 0.01 @ 25°C (Color Coded Yellow)
B110-500A	Buffer, Reference Std., pH 10.00 ± 0.01 @ 25°C (Color Coded Blue)

Part #	Size	Pkg Type	Qty	List
B111-000*FX	500mL	1 Kit of bottles	3/pk	$103.48

Buffer Pack - pH 4, 7 & 10 (Red, Yellow, Blue)

Not-Regulated

Kit Component	Component Product
Z1501000	Buffer, Reference Std., pH 4.00 ± 0.01 @ 25°C (Color Coded Red)
Z1551000	Buffer, Reference Std., pH 7.00 ± 0.01 @ 25°C (Color Coded Yellow)
Z1601000	Buffer, Reference Std., pH 10.00 ± 0.01 @ 25°C (Color Coded Blue)
Z6648000	Rinse Soln., High Purity Water for Rinsing Electrodes & other Laboratory Instruments

Part #	Size	Pkg Type	Qty	List
1480-16*RC	500mL	1 Kit of bottles	4/pk	$82.28

Buffer Reference Solution pH 4.00 (Red)

FOXPURE®
Not-Regulated

Specification	N.I.S.T. STD
4.00 +/- 0.01 @ 25°C	SRM 185i

Part #	Size	Pkg Type	Qty	List
B440-500A*FX	500mL	n/a	1/ea	$18.29
B440-1A*FX	1L	n/a	1/ea	$24.52
B440-4A*FX	4L	n/a	1/ea	$41.33
B440-20A*FX	20L	Cube	1/ea	$141.86

Buffer Reference Solution pH 4.0 (Red)

N.I.S.T. Traceable
Not-Regulated

Test	Specification
pH	pH 4.008 +- 0.01 @ 25°C
Appearance & Color	Clear pink liquid

Temperature Chart

°C	0	5	10	15	20	25	30	35	40	50
pH	4.005	4.003	4.001	4.002	4.003	4.008	4.010	4.020	4.033	4.061

Item #	Size	Pkg Type	Qty	List
1460-500*AQ	500mL	n/a	1/ea	$22.01
1460-4*AQ	4L	n/a	1/ea	$45.05
1460-4C*AQ	4LC	n/a	1/ea	$52.17
1460-10*AQ	10L	n/a	1/ea	$90.39
1460-20*AQ	20L	n/a	1/ea	$139.04

Buffer Reference Standard pH 4.00 ± 0.01 @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Acid Phthalate	877-24-7	Buffer
Preservative	Proprietary	Commercial

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	3.990 - 4.010	0.02	185i, 186-I-g, 186-II-g

Specification	Reference
Phthalate Reference Buffer Soln. (pH = 4.00 @ 25°C)	ASTM (D 1498)

Item #	Size	Pkg Type	Qty	List
1500-16*RC	500mL	Natural poly	1/ea	$39.20
1500-32*RC	1L	Natural poly	1/ea	$63.99
1500-1*RC	4L	Natural poly	1/ea	$131.30
1500-1CT*RC	4L	Cubitainer®	1/ea	$134.38

Buffer Reference Standard pH 4.00 ± 0.01 @ 25°C (Red)

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	4.00	4.00	4.00	4.00	4.00	4.00	4.01	4.02	4.03	4.04	4.06

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Acid Phthalate	877-24-7	Buffer
Preservative	Proprietary	Commercial
Red Dye	Proprietary	Purified

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Red liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	3.990 - 4.010	0.02	185i, 186-I-g, 186-II-g

Specification	Reference
Commercial Buffer Soln.	ASTM (D 1293 B)
Buffer B	ASTM (D 5464), ASTM (D 5128)

Item #	Size	Pkg Type	Qty	List
1501-16*RC	500mL	Natural poly	1/ea	$39.20
1501-1*RC	4L	Natural poly	1/ea	$131.30
1501-1CT*RC	4L	Cubitainer®	1/ea	$134.38
1501-2.5*RC	10L	Cubitainer®	1/ea	$191.56
1501-5*RC	20L	Cubitainer®	1/ea	$264.57

Buffer Reference Solution pH 4.008 +- 0.01 @ 25°C

N.I.S.T. Traceable
Not-Regulated

Test	Specification
pH	pH 4.008 +- 0.01 @ 25°C
Appearance & Color	Clear water white liquid / Thymol odor

Temperature Chart

°C	0	5	10	15	20	25	30	35	40	50
pH	4.005	4.003	4.001	4.002	4.003	4.008	4.010	4.020	4.033	4.061

Item #	Size	Pkg Type	Qty	List
1461-500*AQ	500mL	n/a	1/ea	$24.15
1461-1*AQ	1L	n/a	1/ea	$36.24

Buffer Reference Standard pH 5.00 ± 0.01 @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Acid Phthalate	877-24-7	Buffer
Sodium Hydroxide	1310-73-2	Reagent
Preservative	Proprietary	

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	4.990 - 5.010	0.02	185i, 186-I-g, 186-II-g

Item #	Size	Pkg Type	Qty	List
1505-16*RC	500mL	Natural poly	1/ea	$45.66
1505-32*RC	1L	Natural poly	1/ea	$64.73
1505-1*RC	4L	Natural poly	1/ea	$132.80

Buffer Solution pH 6.00 +- 0.01 @ 25°C

N.I.S.T. Traceable
Not-Regulated

Test	Specification
pH	6.000 +/- 0.010 @ 25.0°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1480-500*AQ	500mL	n/a	1/ea	$24.15
1480-1*AQ	1L	n/a	1/ea	$36.24
1480-4*AQ	4L	n/a	1/ea	$65.38

Buffer Reference Standard pH 6.00 ± 0.01 @ 25°C

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	10	15	20	25	30	35	40	45	50
pH	5.97	5.99	6.00	6.00	6.00	5.99	5.99	6.00	6.01

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Sodium Phosphate Dibasic	7558-79-4	ACS
Preservative	Proprietary	
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	5.990 - 6.010	0.02	185i, 186-I-g, 186-II-g

Item #	Size	Pkg Type	Qty	List
1510-1*RC	4L	Natural poly	1/ea	$132.80

Buffer Reference Standard pH 6.00 ± 0.01 @ 25°C

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	7.12	7.09	7.06	7.04	7.02	7.00	6.99	6.98	6.98	6.97	6.97

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	6.990 - 7.010	0.02	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
1550-32*RC	1L	Natural poly	1/ea	$63.99

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Buffer Reference pH 6.86

N.I.S.T. Traceable
Not-Regulated

Test	Specification
pH	6.860 +/- 0.010 @ 25.0°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1490-500*AQ	500mL	n/a	1/ea	$24.15

Buffer Reference Standard pH 6.86 ± 0.01 @ 25°C

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	6.984	6.950	6.924	6.899	6.879	6.860	6.852	6.844	6.840	6.837	6.836

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	6.860 - 6.870	0.02	185i, 186-I-g, 186-II-g

Item #	Size	Pkg Type	Qty	List
1540-16*RC	500mL	Natural poly	1/ea	$39.62
1540-32*RC	1L	Natural poly	1/ea	$64.73
1540-2.5*RC	10L	Cubitainer®	1/ea	$193.58

Buffer Reference Solution pH 7.0 (Yellow)

N.I.S.T. Traceable
Not-Regulated

Test	Specification
pH	7.000 +/-0.010 @ 25°C
Appearance & Color	Clear yellow liquid, odorless

Temperature Chart

°C	0	5	10	15	20	25	30	35	40
pH	7.13	7.10	7.07	7.05	7.02	7.00	6.99	6.98	6.97

Item #	Size	Pkg Type	Qty	List
1500-500*AQ	500mL	n/a	1/ea	$22.01
1500-1*AQ	1L	n/a	1/ea	$32.95
1500-4*AQ	4L	n/a	1/ea	$45.05
1500-4C*AQ	4LC	n/a	1/ea	$52.17
1500-20*AQ	20L	n/a	1/ea	$139.04

Buffer Reference pH 7.00 (Yellow)

FOXPURE®
Non-Regulated

Specification	N.I.S.T. STD
7.00 +/- 0.01 @ 25°C	SRM 186g

Part #	Size	Pkg Type	Qty	List
B770-500A*FX	500mL	n/a	1/ea	$18.29
B770-1A*FX	1L	n/a	1/ea	$24.52
B770-4A*FX	4L	n/a	1/ea	$41.33
B770-20A*FX	20L	Cube	1/ea	$141.86

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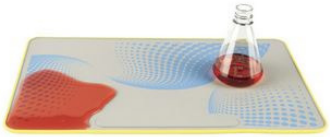

Buffer Reference Standard pH 7.00 ± 0.01 @ 25°C (Yellow)

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	7.12	7.09	7.06	7.04	7.02	7.00	6.99	6.98	6.98	6.97	6.97

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Yellow Dye	Proprietary	
Sodium Hydroxide	1310-73-2	

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Yellow liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	6.990 - 7.010	0.02	186-I-g, 186-II-g, 191d

Specification	Reference
Commercial Buffer Soln.s	ASTM (D 1293 B)
Buffer A	ASTM (D 5464), ASTM (D 5128)

Item #	Size	Pkg Type	Qty	List
1551-16*RC	500mL	Natural poly	1/ea	$39.20
1551-1*RC	4L	Natural poly	1/ea	$131.30
1551-1CT*RC	4L	Cubitainer®	1/ea	$162.43
1551-2.5*RC	10L	Cubitainer®	1/ea	$191.56
1551-5*RC	20L	Cubitainer®	1/ea	$264.57

Buffer Precision Reference Standard pH 7.000 ± 0.002 @ 25°C (Yellow)

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	7.121	7.087	7.061	7.036	7.016	7.000	6.989	6.981	6.977	6.974	6.973

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Yellow Dye	Proprietary	

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Yellow liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	6.998 - 7.002	0.02	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
1552-16*RC	500L	Clear PET-g	1/ea	$61.63

Buffer Reference Standard, pH 7.40 ± 0.01 @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	7.390 - 7.410	0.02	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
1565-32*RC	1L	Natural poly	1/ea	$65.82

Buffer Reference Solution pH 8.0 +- 0.02 @ 25°C

N.I.S.T. Traceable
Not-Regulated

Test	Specification
pH	pH 8.0 +- 0.02 @ 25°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1510-500*AQ	500mL	n/a	1/ea	$24.15
1510-1*AQ	1L	n/a	1/ea	$36.24
1510-4*AQ	4L	n/a	1/ea	$65.38
1510-4C*AQ	4LC	n/a	1/ea	$75.38

Buffer Reference Standard, pH 8.00 ± 0.01 @ 25°C

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	10	15	20	25	30	35	40	45	50
pH	8.05	8.03	8.00	8.00	8.00	7.99	7.98	7.98	7.98

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Preservative	Proprietary	
Phosphoric Acid	7664-38-2	ACS

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	7.990 - 8.010	0.02	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
1580-16*RC	500mL	Natural poly	1/ea	$45.66
1580-32*RC	1L	Natural poly	1/ea	$73.29
1580-1*RC	4L	Natural poly	1/ea	$163.58

Buffer Reference Standard pH 9.00 ± 0.01 @ 25°C

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	10	15	20	25	30	35	40	45	50
pH	9.14	9.10	9.05	9.00	8.97	8.93	8.91	8.89	8.87

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Boric Acid	10043-35-3	ACS
Sodium Hydroxide	1310-73-2	Reagent
Preservative	Proprietary	

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	8.990 - 9.010	0.02	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
1590-16*RC	500mL	Natural poly	1/ea	$39.43
1590-32*RC	1L	Natural poly	1/ea	$43.96
1590-1*RC	4L	Natural poly	1/ea	$137.87
1590-5*RC	20L	Cubitainer®	1/ea	$223.18

Buffer Reference Solution pH 9.0

N.I.S.T. Traceable

Not-Regulated

Test	Specification
pH	9.000 +/- 0.010 @ 25.0°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1520-4*AQ	4L	n/a	1/ea	$65.38
1520-4C*AQ	4LC	n/a	1/ea	$75.38
1520-20*AQ	20L	n/a	1/ea	$206.25

Buffer Reference Solution pH 9.18 (+/-0.01)

N.I.S.T. Traceable

Not-Regulated

Test	Specification
pH	9.180 +/- 0.010 @ 25°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1521-20*AQ	20L	n/a	1/ea	$206.25

Accidents happen, be prepared.
Ask your Rep about the wash stations we offer!

Buffer Reference Standard pH 9.18 ± 0.01 @ 25°C

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	45	50
pH	9.463	9.395	9.333	9.277	9.226	9.180	9.139	9.102	9.070	9.042	9.018

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Tetraborate Decahydrate	1303-96-4	ACS

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	9.170 - 9.190	0.02	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
1595-16*RC	500mL	Natural poly	1/ea	$45.66

Buffer Solution pH 9.54

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	FCC
Boric Acid	10043-35-3	ACS
Sodium Hydroxide	1310-73-2	Reagent
Preservative	Proprietary	

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	9.53 - 9.55 pH	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
R1597400-500A*RC	500mL	Natural poly	1/ea	$168.68

Buffer Reference pH 10.00 (Blue)

FOXPURE®

Not-Regulated

Specification	N.I.S.T. STD
10.00 +/- 0.01 @ 25°C	SRM 191d

Part #	Size	Pkg Type	Qty	List
B110-500A*FX	500mL	n/a	1/ea	$18.29
B110-1A*FX	1L	n/a	1/ea	$24.52
B110-4A*FX	4L	n/a	1/ea	$41.33
B110-20A*FX	20L	Cube	1/ea	$141.86

Buffer Reference Solution pH 10.0 (Blue)

N.I.S.T. Traceable

Not-Regulated

Test	Specification
pH	10.000 +/- 0.010 @ 25°C
Appearance & Color	Clear blue liquid, odorless

Temperature Chart

°C	0	5	10	15	20	25	30	35	40
pH	10.34	10.26	10.19	10.12	10.06	10.00	9.94	9.90	9.85

Item #	Size	Pkg Type	Qty	List
1525-500*AQ	500mL	n/a	1/ea	$22.01
1525-4C*AQ	4L	n/a	1/ea	$52.17

Buffer Reference Standard pH 10.00 ± 0.01 @ 25°C

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	50
pH	10.31	10.23	10.17	10.11	10.05	10.00	9.95	9.91	9.87	9.81

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Carbonate	497-19-8	ACS
Sodium Bicarbonate	144-55-8	ACS
Sodium Hydroxide	1310-73-2	Reagent
Preservative	Proprietary	

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	9.990 - 10.010	0.02	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
1600-32*RC	1L	Natural poly	1/ea	$63.41
1600-1*RC	4L	Natural poly	1/ea	$129.68

Buffer Reference Standard pH 10.00 ± 0.01 @ 25°C (Blue)

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	0	5	10	15	20	25	30	35	40	50
pH	10.31	10.23	10.17	10.11	10.05	10.00	9.95	9.91	9.87	9.81

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Carbonate	497-19-8	ACS
Sodium Bicarbonate	144-55-8	ACS
Sodium Hydroxide	1310-73-2	Reagent
Preservative	Proprietary	
Blue Dye	Proprietary	

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Blue liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	9.990 - 10.010	0.02	186-I-g, 186-II-g, 191d

Specification	Reference
Commercial Buffer Soln.s	ASTM (D 1293 B)
Buffer C	ASTM (D 5464), ASTM (D 5128)

Item #	Size	Pkg Type	Qty	List
1601-16*RC	500mL	Natural poly	1/ea	$38.87
1601-1*RC	4L	Natural poly	1/ea	$129.68
1601-1CT*RC	4L	Cubitainer®	1/ea	$133.24
1601-2.5*RC	10L	Cubitainer®	1/ea	$197.05
1601-5*RC	20L	Cubitainer®	1/ea	$165.34

Buffer Reference Solution pH 11.00 +- 0.01 @ 25°C

N.I.S.T. Traceable
Not-Regulated

Test	Specification
pH	pH 11.00 +- 0.01@ 25°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1528-500*AQ	500mL	n/a	1/ea	$24.15

Buffer Reference Standard pH 11.00 ± 0.01 @ 25°C

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	15	20	25	30	35	40	45	50
pH	11.16	11.08	11.00	10.88	10.86	10.78	10.73	10.66

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	10.990 - 11.010	0.02	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
1610-16*RC	500mL	Clear PET-g	1/ea	$54.53

Buffer Reference Solution pH 12.0 (+- 0.02)

N.I.S.T. Traceable
Not-Regulated

Test	Specification
pH	12.00 +- 0.01 @ 25°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1527-1*AQ	1L	n/a	1/ea	$36.24
1527-4*AQ	4L	n/a	1/ea	$65.38

Spill Containment Trays

Buffer Reference Standard pH 12.00 ± 0.01 @ 25°C

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	15	20	25	30	35	40
pH	12.35	12.17	11.99	11.78	11.62	11.46

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	11.990 - 12.010	0.02	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
1615-16*RC	500mL	Clear PET-g	1/ea	$61.63

Buffer Reference Solution pH 12.45

Aqueous Solution
Not-Regulated

Test	Specification
pH	12.450 +/- 0.010 @ 25°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1530-500*AQ	500mL	n/a	1/ea	$24.15
1530-1*AQ	1L	n/a	1/ea	$36.24

Buffer Reference Standard pH 12.45 ± 0.01 @ 25°C

Not-Regulated

The N.I.S.T. Traceable pH value is certified to ±0.01 @ 25°C only. All other pH values at their corresponding temperatures are accurate to ± 0.05.

°C	15	20	25	30	35	40
pH	12.81	12.62	12.45	12.27	12.11	11.96

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	12.440 - 12.460	0.02	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
1618-16*RC	500mL	Clear PET-g	1/ea	$54.53
1618-32*RC	1L	Natural poly	1/ea	$73.39

Buffer Reference Solution pH 13.0 (+- 0.01)

N.I.S.T. Traceable
Not-Regulated

Test	Specification
pH	13.000 +/- 0.010 @ 25.0°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1535-4*AQ	4L	n/a	1/ea	$65.38

Cadmium Chloride, Anhydrous

ACS Reagent Grade
CAS# 10108-64-2
Cadmium Compound (Cadmium Chloride), 6.1, UN2570, PG III

Test	Specification	Test	Specification
Ammonium	No Limit|0.00|<=|0.01	Mol Wt.	183.32
Assay	>=|99.00|No Limit|0.00	Nitrate & Nitrite (%)	No Limit|0.00|<=|0.003
Copper	No Limit|0.00|<=|10.00	Potassium	No Limit|0.00|<=|200.00
Insoluble	No Limit|0.00|<=|0.01	Sodium	No Limit|0.00|<=|500.00
Iron	No Limit|0.00|<=|10.00	Zinc (ppm)	No Limit|0.00|<=|500.00

Item #	Size	Pkg Type	Qty	List
18702*GF	500g	n/a	1/ea	$26.53

Sterilization Trays!

Cadmium Standard 1,000 ppm w/w

AA Standard
Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Part #	Size	Pkg Type	Qty	List
1650-100*AQ	100mL	n/a	1/ea	$47.65

Calcium AA Standard 1000 ppm Ca in 3% HCl

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	Trace Metals
Calcium Carbonate	471-34-1	ACS Chelometric

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. EDTA/Eriochrome Black T)	995 - 1005 ppm Ca	915

Specification	Reference
Calcium AA Std., 1 mL = 1 mg Ca (1,000 ppm Ca) CaCO3 in 3% HCl	EPA (215.1)

Item #	Size	Pkg Type	Qty	List
ACA1KH-100*RC	100mL	Natural LDPE	1/ea	$53.75

Calcium Carbonate Standard 1000 ppm

APHA for Hardness
Not-Regulated

Test	Specification
Actual Assay	1000.0 ± 5.0 ppm
Appearance & Color	Clear orange liquid

Item #	Size	Pkg Type	Qty	List
1730-500*AQ	500mL	n/a	1/ea	$30.72

Calcium Carbonate Precipitated

Laboratory Grade, Powder
CAS# 471-34-1
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Magnesium & Alkali Salts	0% min / 1% max
Heavy Metals	< 20 ppm	Iron	0 min / 1000 max (ppm)
Arsenic	< 3 ppm	Fluoride	0 min / 50 max (ppm)
Mercury	< 0.5 ppm	$CaCO_3$	98% min / 100.5% max
Lead	< 3 ppm	Barium	Negative

Item #	Size	Pkg Type	Qty	List
C0597-500*AQ	500g	n/a	1/ea	$26.53
C0597-2.5*AQ	2.5kg	n/a	1/ea	$81.91

Calcium Carbonate

ACS Reagent Grade, Powder
CAS# 471-34-1
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Iron (Fe)	0.003% max
Assay	99.0% min	Sulfate (SO_4)	0.01% max
Heavy Metals (as Pb)	0.001% max	Ammonium (NH_4)	0.003% max
Insoluble in Dilute Hydrochloric Acid	0.01% max	Barium (Ba)	0.01% max
Chloride (Cl)	0.001% max	Potassium (K)	0.01% max
Fluoride (F)	0.0015%	Sodium (Na)	0.1% max
Magnesium (Mg)	0.02% max	Strontium (Sr)	0.1% max

Item #	Size	Pkg Type	Qty	List
C0595-125*AQ	125g	n/a	1/ea	$54.16
C0595-500*AQ	500g	n/a	1/ea	$120.33
C0595-2.5*AQ	2.5kg	n/a	1/ea	$391.18

Pipette Filler Bulbs?
We have those too!

Calcium Chloride, Dihydrate

ACS Reagent Grade
CAS# 10035-04-8
Not-Regulated

Test	Specification	Test	Specification
Ammonium	No Limit|0.00|<=|0.005	Mol Wt.	147.02
Assay	>=|99.00|<=|105.00	Oxidizing Subs. (as NO3)(%)	No Limit|0.00|<=|0.003
Barium	No Limit|0.00|<=|0.005	pH of 5% Soln. 4.5-8.5 25°C	None|0.00|None|0.00
Heavy Metals (by ICP-OES)	No Limit|0.00|<=|0.005	Potassium	No Limit|0.00|<=|0.01
Insoluble matter	No Limit|0.00|<=|0.01	Sodium	No Limit|0.00|<=|0.02
Iron	No Limit|0.00|<=|0.001	Strontium	No Limit|0.00|<=|0.10
Magnesium	No Limit|0.00|<=|0.005		

Item #	Size	Pkg Type	Qty	List
19312*GF	2.5kg	n/a	1/ea	$287.86

Calcium Chloride, Dihydrate

ACS Reagent Grade, Powder
CAS# 10035-04-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Barium (Ba)	0.005% max
Assay	99.0 - 105.0%	Heavy Metals (as Pb)	5 ppm max
pH of a 5% Soln. @ 25°C	4.5 - 8.5 max	Iron (Fe)	0.001% max
Insoluble Matter	0.01% max	Magnesium (Mg)	0.005% max
Oxidizing Subs. (as NO_3)	0.003% max	Potassium (K)	0.01% max
Sulfate (SO_4)	0.01% max	Sodium (Na)	0.02% max
Ammonium (NH_4)	0.005% max	Strontium (Sr)	0.1% max

Item #	Size	Pkg Type	Qty	List
C0630-500*AQ	500g	n/a	1/ea	$58.70
C0630-2.5*AQ	2.5kg	n/a	1/ea	$246.74

Calcium Chloride 0.500 M (M/2)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Calcium Chloride Dihydrate	10035-04-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. EDTA/Eriochrome Black T)	0.4995 - 0.5005 M	915

Item #	Size	Pkg Type	Qty	List
R1764000-500A*RC	500mL	Natural poly	1/ea	$87.37
R1764000-1A*RC	1L	Natural poly	1/ea	$118.65

Calcium Chloride 2.75% w/v

APHA for BOD
Not-Regulated

Test	Specification
Actual Assay	2.75 +/- 0.02 w/v% $CaCl_2$
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1670-1*AQ	1L	n/a	1/ea	$27.57

Calcium Chloride Standard 1000 ppm $CaCO_3$ (400 ppm Ca), 0.0100 M Ca^{2-}, 0.0200 N Ca^{2-}

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Calcium Carbonate	471-34-1	ACS Chelometric
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. EDTA/Eriochrome Black T)	0.00999 - 0.01001 M	915

Specification	Reference
Calcium Soln., Std. (1.00 mL = 0.400 mg calcium)	ASTM (D 511 A)
Std. Calcium Soln.	APHA (2340°C)
Std. Calcium Soln., 0.01 M	TAPPI (T 247 cm-83)
Std. Calcium Soln., 0.02 N	EPA (215.2), EPA (130.2)
Stock Soln., 1.0 mL = 1.0 mg CaCO3	EPA (130.1)

Item #	Size	Pkg Type	Qty	List
1780-16*RC	500mL	Natural poly	1/ea	$78.00
1780-32*RC	1L	Natural poly	1/ea	$97.04

Calcium Hardness Indicator Powder
0.2% Calcon in Sodium Chloride
Not-Regulated

Test	Specification
Appearance & Color	Pale purple powder

Item #	Size	Pkg Type	Qty	List
1700-100*AQ	100g	n/a	1/ea	$41.68
1700-200*AQ	200g	n/a	1/ea	$65.83

Calcium Hydroxide
ACS Reagent Grade
CAS# 1305-62-0
Corrosive Solid, Basic, Inorganic, n.o.s. (Calcium Hydroxide), 8, UN3262, PG III

Test	Specification	Test	Specification
Assay (as Ca(OH)2) (%)	>=|95.00|No Limit|0.00	Mol Wt.	74.09
CaCO3 (%)	No Limit|0.00|<=|3.00	Potassium	No Limit|0.00|<=|0.05
Chloride	No Limit|0.00|<=|0.03	Sodium	No Limit|0.00|<=|0.05
Heavy Metals (by ICP-OES)	No Limit|0.00|<=|0.003	Strontium	No Limit|0.00|<=|0.05
Insoluble in HCl	No Limit|0.00|<=|0.03	Sulfur Compounds (SO4) (%)	No Limit|0.00|<=|0.10
Iron	No Limit|0.00|<=|0.05	Magnesium	No Limit|0.00|<=|0.50

Item #	Size	Pkg Type	Qty	List
19402*GF	2.5kg	n/a	1/ea	$211.11

Calcium Hypochlorite
65% Available Chlorine, Granular
CAS# 7778-54-3
Calcium Hypochlorite, Dry, 5.1, UN1748, PG II

Test	Specification	Test	Specification
Appearance & Color	White / Grey powder	H_2O (%)	5.5 min / 8.5 max
Cl_2 (%)	65 min / 71 max	TER 60m	3.0 max

Item #	Size	Pkg Type	Qty	List
C0811-500*AQ	500g	n/a	1/ea	$66.00

Calcium Nitrate Tetrahydrate
ACS Reagent Grade
CAS# 13477-34-4
Calcium Nitrate, 5.1, UN1454, PG III

Test	Specification	Test	Specification
Appearance	Colorless hygroscopic solid	Iron (Fe)	5 ppm max
Assay	99.0 - 103.0%	Barium (Ba)	0.005% max
pH of a 5% Soln. @ 25°C	5.0 - 7.0 max	Magnesium (Mg)	0.05% max
Chloride (Cl)	0.005% max	Potassium (K)	0.005% max
Nitrite (NO_2)	0.001% max	Sodium (Na)	0.01% max
Sulfate (SO_4)	0.002% max	Strontium (Sr)	0.05% max
Heavy Metals (as Pb)	5 ppm max	Insoluble Matter	0.005% max

Item #	Size	Pkg Type	Qty	List
C0875-125*AQ	125g	n/a	1/ea	$28.63

Calcium Oxide (Lime)
Laboratory Grade, Powder
CAS# 1305-78-8
Calcium Oxide, 8, UN1910, PG III

Test	Specification	Test	Specification
Appearance	White powder	R/180	20° min
Assay	95.0% min	Available CaO	93.0 - 96.5% min
-325 Mesh	95.5% min		

Item #	Size	Pkg Type	Qty	List
C0892-500*AQ	500g	n/a	1/ea	$25.72

Calcium Oxide
Reagent Grade, Powder
CAS# 1305-78-8
Calcium Oxide, 8, UN1910, PG III

Test	Specification	Test	Specification
Appearance	White powder	Sulfate	0.1% max
Loss on Ignition	5.0% max	Heavy Metals (as Pb)	0.01% max
Chloride	0.005% max	Iron	0.1% max
Nitrate	0.05% max		

Item #	Size	Pkg Type	Qty	List
C0890-500*AQ	500g	n/a	1/ea	$143.74

Calcium Sulfate
ACS Reagent Grade, Powder
CAS# 10101-41-4
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Heavy Metals (as Pb)	0.002%
Assay	98.0 - 102.0%	Iron (Fe)	0.001%
Insoluble in Dilute Hydrochloric Acid	0.02%	Magnesium (Mg)	0.02%
Chloride (Cl)	0.005%	Potassium (K)	0.005%
Nitrate (NO_3)	Passes test	Sodium (Na)	0.02%
Carbonate (CO_3)	Passes test	Strontium (Sr)	0.05%

Item #	Size	Pkg Type	Qty	List
C0993-2.5*AQ	2.5kg	n/a	1/ea	$286.02

Calmagite Indicator 0.05% (w/v)
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Calmagite	3147-14-6	Indicator

Test	Specification
Appearance	Red liquid
Suitability for Use	Wine red (excess Ca/Mg) - Pure blue (excess EDTA)

Item #	Size	Pkg Type	Qty	List
R1828000-100A*RC	100mL	Natural poly	1/ea	$77.39

Calmagite Indicator 0.1% w/v Solution
APHA 2340 C.
Not-Regulated

Test	Specification
Appearance & Color	Clear purple liquid
Verification w/v%	0.100 ± 0.002% w/v Calmagite

Item #	Size	Pkg Type	Qty	List
1754-500*AQ	500mL	n/a	1/ea	$42.12

Calmagite Indicator, 0.1% (w/v)
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Calmagite	3147-14-6	Indicator

Test	Specification
Appearance	Red liquid
Suitability for Use	Wine red (excess Ca/Mg) - Pure blue (excess EDTA)

Specification	Reference
Calmagite	APHA (2340 C)

Item #	Size	Pkg Type	Qty	List
1830-16*RC	500mL	Natural poly	1/ea	$72.44

Calmagite Indicator
Indicator Grade
CAS# 3147-14-6
Not-Regulated

Test	Specification
Appearance	Brown to black powder with chunks
Solubility 0.1% (Water)	Clear red Soln.
Loss on Drying @ 110°C	< 10%
Visual Transition Interval	pH 7.1 (Red) to 9.1 (Blue)
Suitability as Magnesium Indicator	Passes test

Item #	Size	Pkg Type	Qty	List
C1063-25*AQ	25g	n/a	1/ea	$121.58

We have multiple chemical indicators available
Adsorption
Complexometric
Dry
Oxidation-reduction
pH
And more!

Carbon Disulfide

FOXPURE®
CAS# 75-15-0
Carbon Disulfide, 3 (6.1), UN1131, PG I

Test	Specification	Test	Specification
Assay (by GC-TCD)	min 99.9%	Sulfur Dioxide (max 2.5 ppm)	max 2.5 ppm
Color (APHA)	max 10	Trace Organic Impurity (as Benzene)	max 200 ppb
Hydrogen Sulfide	max 1.5 ppm	Water (by KF volumetric)	max 0.05%
Residue after Evap.	max 3 ppm		

Optical Absorbance	382 nm	388 nm	403 nm	410 nm	500 nm
Limits	1.00 AU	0.50 AU	0.10 AU	0.05 AU	0.01 AU

Item #	Size	Pkg Type	Qty	List
C350-2*FX	500g	n/a	1/ea	$165.14
C350-2*FX	500g	n/a	6/cs	$659.88

Organic Carbon Standard 1000 ppm C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Phosphoric Acid	7664-38-2	ACS
Potassium Acid Phthalate	877-24-7	ACS Acidimetric

Test	Specification
Appearance	Colorless liquid
Carbon (C)	995 - 1005 ppm

Specification	Reference
Organic Carbon Stock Soln.	APHA (5310 B)
Potassium Hydrogen Phthalate, Stock Soln.	EPA (SW-846) (9060)
Potassium Hydrogen Phthalate, Stock Soln., 1000 mg Carbon/L	EPA (415.1)
Organic Carbon Soln., Std. (1 mL = 1 mg C)	ASTM (D 2579)

Item #	Size	Pkg Type	Qty	List
1847-4*RC	120mL	Amb glass	1/ea	$59.17
1847-16*RC	500mL	Amb glass	1/ea	$87.54
1847-32*RC	1L	Amb glass	1/ea	$115.18

Inorganic Carbon Standard 1000 ppm C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Carbonate	497-19-8	ACS Alkalimetric
Sodium Bicarbonate	144-55-8	ACS

Test	Specification
Appearance	Colorless liquid
Carbon (C)	995 - 1005 ppm

Specification	Reference
Inorganic Carbon Stock Soln.	APHA (5310 B)
Carbonate-Bicarbonate, Stock Soln.	EPA (SW-846) (9060)
Carbonate-Bicarbonate, Stock Soln., 1000 mg Carbon/L	EPA (415.1)
Carbonate Carbon Soln., Std. (1 mL = 1 mg C)	ASTM (D 2579)

Item #	Size	Pkg Type	Qty	List
1845-16*RC	500mL	Amb glass	1/ea	$93.37

HydroSpec® Coulometric CG Catholyte Solution for Cells with a Diaphragm

Methanol Solution, 3, UN1230, PG II

Name	CAS#	Name	CAS#
Diethylene Glycol Monoethyl Ether	111-90-0	Imidazolium Iodide	68007-08-9
Methyl Alcohol	67-56-1	Imidazole	288-32-4
Sulfur Dioxide	7446-09-5		

Test	Specification
Suitability for Use	KF titration
Titer	0.2 - 0.5 mg/mL

Item #	Size	Pkg Type	Qty	List
RK130000-110C *RC	110mL	Amb glass	1/ea	$104.61

Caustic Blue Indicator 0.1% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Indigo Carmine	860-22-0	Indicator

Test	Specification
Appearance	Dark blue liquid
Suitability for Use	Yellow (pH > 13.0) - Blue (pH < 11.5)

Item #	Size	Pkg Type	Qty	List
R1859000-500C*RC	500mL	Amb glass	1/ea	CALL

Ceric Ammonium Nitrate

ACS Reagent Grade
CAS# 16774-21-3
Nitrate, Inorganic, n.o.s. (Ceric Ammomium Nitrate), 5.1, UN1477, PG II

Test	Specification	Test	Specification
Appearance	Light orange crystalline	Chloride (Cl)	0.01%
Assay	98.5% min	Phosphate (PO_4)	0.02%
Insoluble in Dilute Sulfuric Acid	0.05%	Iron (Fe)	0.005%

Item #	Size	Pkg Type	Qty	List
C2372-500*AQ	500g	n/a	1/ea	$900.94

Ceric Ammonium Nitrate

ACS Reagent Grade
CAS# 16774-21-3
Nitrate, Inorganic, n.o.s. (Ceric Ammomium Nitrate), 5.1, UN1477, PG II

Test	Specification	Test	Specification
Assay	>=|98.50|No Limit|0.00	Mol Wt.	548.23
Chloride	No Limit|0.00|<=|0.01	Phosphate	No Limit|0.00|<=|0.02
Iron	No Limit|0.00|<=|0.005		

Item #	Size	Pkg Type	Qty	List
20002*GF	2.5kg	n/a	1/ea	$579.82

Ceric Sulfate 0.05 N Solution

Actual Normality = 0.0495 - 0.0505
Corrosive Liquid, Acidic, Inorganic, n.o.s. (Sulfuric Acid), 8, UN3264, PG II

Test	Specification
Appearance	Clear orange liquid
Actual Normality	0.0500 ± 0.0005 N @ 20°C

Item #	Size	Pkg Type	Qty	List
1736-1*AQ	1L	n/a	1/ea	$194.46

Ceric Sulfate 0.100 N (N/10) in 2 N Sulfuric Acid

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Sulphuric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS Reagent
Ceric Sulfate	13590-82-4	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Orange liquid	
Assay (vs. Sodium Oxalate)	0.0999 - 0.1001 N @ 20°C	8040

Item #	Size	Pkg Type	Qty	List
1900-16*RC	500mL	Natural poly	1/ea	$79.30
1900-32*RC	1L	Natural poly	1/ea	$117.42

Chloramine T Hydrate 95%

CAS# 149358-73-6
Corrosive Solid, Basic, Organic, n.o.s. (Chloramine-T-hydrate), 8, UN3263, PG II

Test	Specification	Test	Specification
Appearance	White to light yellow powder	Loss on Drying	10.0 - 20.0%
Infrared Spectrum	Conforms to structure	Solubility (Turbidity)	Clear to slightly hazy
Nitrogen (Dry Basis)	5.8 - 6.5%	Solubility (Color)	Colorless to slight yellow

Item #	Size	Pkg Type	Qty	List
C3301-125*AQ	125g	n/a	1/ea	$88.44

Chloramine T

ACS Reagent Grade
CAS# 7080-50-4
Corrosive Solid, Basic, Organic, n.o.s. (Chloramine T), 8, UN3263, PG II

Test	Specification	Test	Specification
Assay (Iodometric Titration) (%)	>=|98.00|<=|103.00	pH of 5% Soln. @ 25°C	>=|8.00|<=|10.00
Clarity of Soln. - Clear Soln.	None|0.00|None|0.00	Suitability for Bromide	None|0.00|None|0.00
Mol Wt.	281.7		

Item #	Size	Pkg Type	Qty	List
21741*GF	500g	n/a	1/ea	$239.88

Chloride Standard 0.0141 N

Normality = 0.0138 - 0.0144
N.I.S.T. Traceable
Not-Regulated

Test	Specification
Appearance	Clear water white liquid
Actual Normality	0.0141 +/- 0.0003 N @ 20°C

Item #	Size	Pkg Type	Qty	List
1770-500*AQ	500mL	n/a	1/ea	$22.01
1770-1*AQ	1L	n/a	1/ea	$32.95

Chloride Standard 1 ppm Cl^-

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification
Appearance	Colorless liquid
Chloride (Cl)	0.99 - 1.01 ppm

Item #	Size	Pkg Type	Qty	List
1941.1-16*RC	500mL	Natural poly	1/ea	$89.49

Chloride Standard 1.0 ppm w/w Soln.

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Appearance	Clear water white liquid
Actual PPM	1.000 ± 0.050

Item #	Size	Pkg Type	Qty	List
1762-1*AQ	1L	n/a	1/ea	$60.19

Chloride Standard 5 ppm Cl^-

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification
Appearance	Colorless liquid
Chloride (Cl)	4.95 - 5.05 ppm

Item #	Size	Pkg Type	Qty	List
1941.5-16*RC	500mL	Natural poly	1/ea	$161.91

Chloride Standard 10 ppm Cl^-

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification
Appearance	Colorless liquid
Chloride (Cl)	9.95 - 10.05 ppm

Specification	Reference
Chloride Std. Soln.(0.01 mg of Cl in 1 mL)	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
1942.1-16*RC	500mL	Natural poly	1/ea	$58.52

Chloride Standard 10.0 PPM w/w as Cl

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Appearance	Clear water white liquid
Actual PPM	10.0 +/- 1.0 ppm as Cl

Item #	Size	Pkg Type	Qty	List
1763-1*AQ	1L	n/a	1/ea	$60.19

Chloride Standard 500.0 ppm as Cl

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Appearance	Clear water white liquid
Actual PPM	500.0 +/-10.0 ppm as Cl

Item #	Size	Pkg Type	Qty	List
1765-1*AQ	1L	n/a	1/ea	$60.19

Chloride Standard 1000 ppm Cl^- (0.0282 N)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Silver Nitrate/Potassium Chromate)	999 - 1001 ppm Cl	999

Specification	Reference
Chloride Soln. Stock (1.00 mL = 1.00 mg Chloride)	ASTM (D 5542)
Chloride Soln., Stock (1000 mg/L)	ASTM (D 512 C)
Std. Chloride Soln., 1000 mg/L	APHA (4110 B)
Stock Chloride Soln.	APHA (4500-Cl- E)
Sodium Chloride Calibration Std. (1 µg Cl^-/µL)	EPA (SW-846) (9023), EPA (SW-846) (9021)
Chloride Stock Soln. (1.00 mL = 1.00 mg Cl^-)	EPA (SW-846) (9056), ASTM (D 4327)
Sodium Chloride, NaCl, Stock Std. Soln.	EPA (SW-846) (9057)
Chloride Calibration Stock Soln. (1,000 mg/L Cl^-)	EPA (SW-846) (9212)
Chloride Soln. (1000 ppm)	TAPPI (T 700 om-93), TAPPI (T 699 om-87)
Sodium Chloride Soln., 1 mL = 1 mg Cl^-	ASTM (D 4458)
Chloride Soln., Stock (1.00 mL = 1.00 mg Cl)	ASTM (D 5996)

Item #	Size	Pkg Type	Qty	List
1955-4*RC	120mL	Natural poly	1/ea	$42.86
1955-16*RC	500mL	Natural poly	1/ea	$57.70
1955-32*RC	1L	Natural poly	1/ea	$64.29

Chloride Standard 1,000 ppm w/w

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Appearance	Clear water white liquid
Actual PPM	1,000.0 +/- 20.0 ppm as Cl

Item #	Size	Pkg Type	Qty	List
1764-100*AQ	100mL	n/a	1/ea	$30.10
1764-500*AQ	500mL	n/a	1/ea	$45.12
1764-4*AQ	4L	n/a	1/ea	$120.33

Chlorine Water, Saturated, approximately 0.3% (w/v)

Corrosive Liquid, n.o.s. (Chlorine), 8, UN1760, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Chlorine	7782-50-5	CP

Test	Specification
Appearance	Yellow-green liquid

Specification	Reference
Chlorine TS (Chlorine Water)	USP (N/A)

Item #	Size	Pkg Type	Qty	List
1980-32*RC	1L	SC glass	1/ea	$158.94

Chlorobenzene

ACS Reagent Grade
CAS# 108-90-7
Chlorobenzene, 3, UN1134, PG III

Test	Specification	Test	Specification
Appearance	Clear liquid	Color (APHA)	30 max
Assay	99.5% min	Residue after Evap.	0.02% max
Titrable Acid	0.004 meq/g		

Item #	Size	Pkg Type	Qty	List
C3602-4*AQ	4L	n/a	1/ea	$328.92

Chloroform

FOXPURE® Pesticide
CAS# 67-66-3
Chloroform, 6.1, UN1888, PG III

Test	Specification	Test	Specification
Assay (by GC-FID) (excluding Amylenes)	min 99.9%	Color (APHA)	max 10
GC-ECD Responsive Residue (single peak) (as Heptachlor Epoxide)	max 10 ppt	Stabilizer (Amylenes)	100 to 200 ppm
GC-FID Responsive Residue (single peak) (as 2-Octanol)	max 5 ppb	Water (by KF Coulometry)	max 0.02%
Fluorescence @ Emission Max. for Impurities (as Quinine Sulfate)	max 1 ppb	Acid & Chloride	Passes test
Residue after Evap.	max 1 ppm		

Optical Absorbance	245 nm	255 nm	260 nm	270 nm	290 nm	400 nm
Limits	max 1.00 AU	max 0.15 AU	max 0.05 AU	max 0.02 AU	max 0.01 AU	max 0.01 AU

Item #	Size	Pkg Type	Qty	List
C741-4*FX	4L	n/a	1/ea	$254.87
C741-4*FX	4L	n/a	4/cs	$677.96

Chloroform, Ethanol Stabilized

FOXPURE® ACS Reagent Grade
CAS# 67-66-3
RQ, Chloroform, 6.1, UN1888, PG III

Test	Specification	Test	Specification
Acetone & Aldehydes (as Acetone)	Passes test	Free Chlorine	Passes test
Acid & Chloride	Passes test	Lead (Pb)	max 0.05 ppm
Assay (by GC-FID) (excluding Ethanol)	min 99.8%	Residue after Evap.	max 0.001%
Assay (by GC-FID) (including Ethanol)	min 99.8%	Stabilizer (as Ethyl Alcohol)	0.5 - 1.0%
Color APHA	max 10	Subs. Darkened by Sulfuric Acid	Passes test

Item #	Size	Pkg Type	Qty	List
CR0359-001	4L	n/a	1/ea	CALL
C740-55*FX	204L	Epoxy lined metal drum	1/ea	CALL

Cleaning Solution, Chromic-Sulfuric Acid Solution for Cleaning Laboratory Glassware

Sulphuric Acid Solution, 8, UN1830, PG II

Name	CAS#	Grade
Sulfuric Acid	7664-93-9	Technical
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Dichromate Dihydrate	7789-12-0	ACS
Chromium (VI) Oxide	1333-82-0	Technical

Test	Specification
Appearance	Brown liquid

Specification	Reference
Chromic Acid	APHA (2580 B)
Chromic Acid Cleaning Soln.	ASTM (D 1498)

Item #	Size	Pkg Type	Qty	List
2150-5PT*RC	2.5L	SC glass	1/ea	$262.53

Hexavalent Chromium AA Standard 1000 ppm Cr^{6-} in H_2O

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dichromate	7778-50-9	Primary Std.

Test	Specification	N.I.S.T. SRM#
Appearance	Yellow-orange liquid	
Assay (vs. Sodium Thiosulfate/Starch)	995 - 1005 ppm Cr	136

Item #	Size	Pkg Type	Qty	List
ACR61KW-100*RC	100mL	Natural LDPE	1/ea	$48.95

Chromium Trioxide (Chromic Acid)

ACS Reagent Grade, Crystal
CAS# 1308-38-9
Chromium Trioxide, Anhydrous, 5.1, UN1463, PG II

Test	Specification	Test	Specification
Appearance	Dark red powder	Sulfate (SO_4)	0.005%
Assay	98.0% min	Aluminum (Al)	0.02%
Insoluble Matter	0.01%	Barium (Ba)	0.01%
Chloride (Cl)	0.005%	Iron (Fe)	0.02%
Nitrate (NO_3)	0.05%	Sodium (Na)	0.%

Item #	Size	Pkg Type	Qty	List
C4708-125*AQ	125g	n/a	1/ea	$136.33

Chromium Trioxide

ACS Reagent Grade, Sodium Salt
CAS# 1333-82-0
Chromium Trioxide, Anhydrous, 5.1, UN1463, PG II

Test	Specification	Test	Specification
Aluminum	No Limit|0.00|<=|0.02	Iron	No Limit|0.00|<=|0.02
Assay	>=|98.00|No Limit|0.00	Mol Wt.	99.99
Barium	No Limit|0.00|<=|0.01	Nitrate	No Limit|0.00|<=|0.05
Chloride	No Limit|0.00|<=|0.005	Sodium	No Limit|0.00|<=|0.20
Insoluble	No Limit|0.00|<=|0.01		

Item #	Size	Pkg Type	Qty	List
30301*GF	500g	n/a	1/ea	$303.32

Citric Acid Monohydrate

ACS Reagent Grade, Crystal
CAS# 5949-29-1
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline powder	Oxalate (C_2O_4)	Passes test
Assay	99.0 - 102.0%	Phosphate (PO_4)	0.001%
Insoluble Matter	0.005%	Sulfur Compounds (SO_4)	0.002%
Residue after Ignition	0.02%	Iron (Fe)	3 ppm
Chloride (Cl)	0.001%	Subs. Carbonizable by Hot Sulfuric Acid	Passes test
Lead (Pb)	2 ppm		

Item #	Size	Pkg Type	Qty	List
C5504-125*AQ	125g	n/a	1/ea	$35.76

Citric Acid 10% (w/v) from USP Grade Material

Corrosive Liquid, n.o.s. (Chlorine), 8, UN1760, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Citric Acid	77-92-9	USP

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	9.97 - 10.03% (w/v)	84

Item #	Size	Pkg Type	Qty	List
2120-16*RC	500mL	Natural poly	1/ea	$55.63
2120-32*RC	1L	Natural poly	1/ea	$89.65

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Citric Acid 1.00 M

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Citric Acid	77-92-9	USP

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	0.999 - 1.001 M	84

Specification	Reference
Citric Acid, 1 M	APHA (7500-Ra B), APHA (7500-Ra D)
Citric Acid, 1.0 M	EPA (SW-846) (8315A)
Citric Acid, 1 M	EPA (SW-846) (9315), EPA (SW-846) (9320)

Item #	Size	Pkg Type	Qty	List
2131-32*RC	1L	Natural poly	1/ea	$156.65

Citric Acid Anhydrous

Laboratory Grade
CAS# 77-92-9
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline powder	Limit of Oxalic Acid	< 0.036% max
Assay	99.5 - 100.5%	Heavy Metals	< 5 mg/kg max
Water	< 0.5% max	Lead	< 0.5 mg/kg max

Item #	Size	Pkg Type	Qty	List
C5507-2.5*AQ	2.5kg	n/a	1/ea	$180.38
C5507-50B*AQ	50lb	Bag	1/ea	CALL

Citric Acid Anhydrous

ACS Reagent Grade, Crystal
CAS# 77-92-9
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline powder	Lead	2 ppm
Assay	99.5% min	Phosphate (PO_4)	0.001%
Insoluble Matter	0.005%	Sulfur Compounds (SO_4)	0.002%
Residue after Ignition	0.02%	Iron (Fe)	3 ppm
Chloride (Cl)	0.001%	Subs. Carbonizable by Hot Sulfuric Acid	Passes test
Oxalate (C_2O_4)	Passes test		

Item #	Size	Pkg Type	Qty	List
C5512-2.5*AQ	2.5kg	n/a	1/ea	$169.22

Cobalt Sulfate

Reagent Grade
CAS# 10026-24-1
Environmentally Hazardous Substances, Solid, n.o.s. (Cobalt Sulfate, Reagent), Marine Pollutant, 9, UN3077, PG III

Test	Specification	Test	Specification
Chloride	No Limit|0.00|<=|0.001	Mol Wt.	281.12
Cobalt Content (%)	>=|20.50|<=|22.00	Nitrate	No Limit|0.00|<=|0.005
Copper	No Limit|0.00|<=|0.002	pH of 5% Soln.	>=|3.00|<=|7.00
Insoluble	No Limit|0.00|<=|0.01	Iron	No Limit|0.00|<=|0.001

Item #	Size	Pkg Type	Qty	List
30915*GF	2.5kg	n/a	1/ea	$751.13

COD Standard 300 ppm

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Acid Phthalate	877-24-7	ACS Acidimetric

Test	Specification
Appearance	Colorless liquid
Chemical Oxygen Demand (COD)	299.5000 - 300.5000 mg/mL

Item #	Size	Pkg Type	Qty	List
2228-16*RC	500mL	Natural poly	1/ea	$64.11

COD Standard 300 ppm

Not-Regulated

Test	Specification
Appearance	Clear liquid
PPM COD	290 - 310

Item #	Size	Pkg Type	Qty	List
2159-500*AQ	500mL	n/a	1/ea	$35.76

Color Standard APHA / Hazen (Platinum-Cobalt) Color = 20

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS
Potassium Hexachloroplatinate (IV)	16921-30-5	Reagent
Cobalt (II) Chloride Hexahydrate	7791-13-1	ACS

Test	Specification
Appearance	Yellow-brown liquid
Color (APHA)	19.8 - 20.2

Specification	Reference
APHA No. 20 Platinum-Cobalt Std.	ACS (N/A)
Color Std., Color = 20 Units	APHA (2125 B)

Item #	Size	Pkg Type	Qty	List
2230.020-8*RC	250mL	Amb glass	1/ea	CALL

Color Standard APHA / Hazen (Platinum-Cobalt) Color = 30

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS
Potassium Hexachloroplatinate (IV)	16921-30-5	Reagent
Cobalt (II) Chloride Hexahydrate	7791-13-1	ACS

Test	Specification
Appearance	Yellow-brown liquid
Color (APHA)	29.7 - 30.3

Specification	Reference
APHA No. 30 Platinum-Cobalt Std.	ACS (N/A)
Color Std., Color = 30 Units	APHA (2127 B)

Item #	Size	Pkg Type	Qty	List
2230.030-16*RC	500mL	Amb glass	1/ea	$216.01

Color Standard APHA / Hazen (Platinum-Cobalt) Color = 50

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS
Potassium Hexachloroplatinate (IV)	16921-30-5	Reagent
Cobalt (II) Chloride Hexahydrate	7791-13-1	ACS

Test	Specification
Appearance	Yellow-brown liquid
Color (APHA)	49.5 - 50.5

Specification	Reference
APHA No. 50 Platinum-Cobalt Std.	ACS (N/A)
Color Std., Color = 50 Units	APHA (2128 B)

Item #	Size	Pkg Type	Qty	List
2230.050-8*RC	250mL	Amb glass	1/ea	CALL
2230.050-16*RC	500mL	Amb glass	1/ea	$157.67

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Color Standard APHA / Hazen (Platinum-Cobalt) Color = 100

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS
Potassium Hexachloroplatinate (IV)	16921-30-5	Reagent
Cobalt (II) Chloride Hexahydrate	7791-13-1	ACS

Test	Specification
Appearance	Yellow-brown liquid
Color (APHA)	99 - 101

Specification	Reference
APHA No. 100 Platinum-Cobalt Std.	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
2230.100-16*RC	500mL	Amb glass	1/ea	$270.33

Color Standard APHA / Hazen (Platinum-Cobalt) Color = 200

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS
Potassium Hexachloroplatinate (IV)	16921-30-5	Reagent
Cobalt (II) Chloride Hexahydrate	7791-13-1	ACS

Test	Specification
Appearance	Yellow-brown liquid
Color (APHA)	198 - 202

Specification	Reference
APHA No. 200 Platinum-Cobalt Std.	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
2230.200-16*RC	500mL	Amb glass	1/ea	$327.52

Color Standard 500 Hazen Units

APHA & ASTM D 1209

Corrosive Liquid, n.o.s. (Hydrochloric Acid), 8, UN1760, PG III

Test	Specification
Appearance	Clear yellow-brown liquid

Item #	Size	Pkg Type	Qty	List
2180-250*AQ	250mL	n/a	1/ea	$168.76

Conductivity Standard 25 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	24.9 - 25.1 µS/cm	0.3 µS/cm	999

Item #	Size	Pkg Type	Qty	List
2236.05-16*RC	500mL	Natural poly	1/ea	$154.75

Conductivity Standards

N.I.S.T. Traceable

Not-Regulated

Appearance: Clear water white liquid

Test: QCSP30 @ 25°C

Specification	Item #	Size	Qty	List
1.0 uMHOS	6918-1*AQ	1L	1/ea	$76.90
2.0 uMHOS	6937-1*AQ	1L	1/ea	$76.90
5.0 uMHOS	6938-1*AQ	1L	1/ea	$76.90
5.0 uMHOS	6938-500*AQ	500mL	1/ea	$52.68
10.0 uMHOS	6921-1*AQ	1L	1/ea	$54.16
10.0 uMHOS	6921-500*AQ	500mL	1/ea	$36.15
50.0 uMHOS	6941-1*AQ	1L	1/ea	$42.93
50.0 uMHOS	6941-500*AQ	500mL	1/ea	$28.63
84.0 uMHOS	6966-500*AQ	500mL	1/ea	$36.15
100.0 uMHOS	6919-1*AQ	1L	1/ea	$42.93
200.0 uMHOS	6951-4*AQ	4L	1/ea	$114.41
447.0 uMHOS	6904-500*AQ	500mL	1/ea	$36.15
500.0 uMHOS	6922-1*AQ	1L	1/ea	$42.93
500.0 uMHOS	6922-4*AQ	4L	1/ea	$114.41
700.0 uMHOS	6907-1*AQ	1L	1/ea	$76.90
1,413 uMHOS	6920-1*AQ	1L	1/ea	$42.93
1,413 uMHOS	6920-10*AQ	10L	1/ea	$216.93
1,413 uMHOS	6920-20*AQ	20L	1/ea	$333.72
1,413 uMHOS	6920-4*AQ	4L	1/ea	$114.41
1,413 uMHOS	6920-500*AQ	500mL	1/ea	$28.63
2,000 uMHOS	6924-1*AQ	1L	1/ea	$42.93
2,000 uMHOS	6924-4*AQ	4L	1/ea	$114.41
3,000 uMHOS	6926-1*AQ	1L	1/ea	$42.93
4,600 uMHOS	6957-500*AQ	500mL	1/ea	$36.15
5,000 uMHOS	6935-1*AQ	1L	1/ea	$42.93
10,000 uMHOS	6936-20*AQ	20L	1/ea	$333.72
20,000 uMHOS	6948-1*AQ	1L	1/ea	$42.93
50,000 uMHOS	6945-1*AQ	1L	1/ea	$42.93

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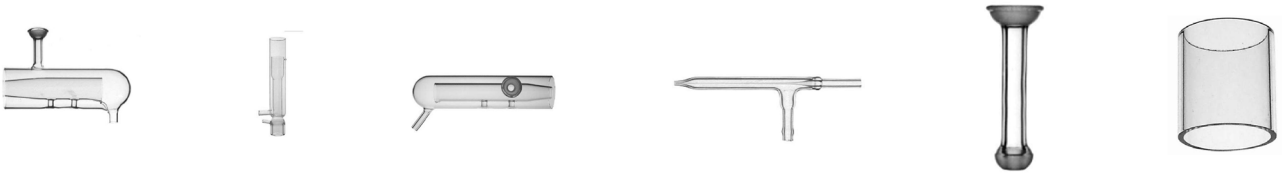

Conductivity Standards

Not-Regulated
Appearance: Colorless liquid
Test: Conductivity @ 25°C (Method: SQCP031, SQCP033); N.I.S.T. SRM# 999
Pkg Type: Natural poly - * Cubitainer*

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Description	Certified Value	Uncertainty	Item #	Size	Qty	List
5 µS/cm	4.95 - 5.05 µS/cm	0.26 µS/cm	2236.02-32*RC	1L	1/ea	$122.61
5 µS/cm	4.95 - 5.05 µS/cm	0.26 µS/cm	2236.02-4*RC	4L	1/ea	$29.91
20 µS/cm	19.9 - 20.1 µS/cm	0.28 µS/cm	2236.04-32*RC	1L	1/ea	$184.85
140 µS/cm	139.9 - 140.1 µS/cm	0.88 µS/cm	R2236240-1A*RC	4L	1/ea	$167.35
350 µS/cm	349 - 351 µS/cm	2.1 µS/cm	2236.35-32*RC	1L	1/ea	$226.00
442 µS/cm	441 - 443 µS/cm	1.8 µS/cm	2240.42-32*RC	1L	1/ea	CALL
447 µS/cm	446 - 448 µS/cm	2.7 µS/cm	2240.47-16*RC	500mL	1/ea	CALL
1413 µS/cm	1412 - 1414 µS/cm	8.6 µS/cm	2236.52-1*RC	4L	1/ea	$193.14
1413 µS/cm	1412 - 1414 µS/cm	8.6 µS/cm	2236.52-16*RC	500mL	1/ea	$52.04
1413 µS/cm	1412 - 1414 µS/cm	8.6 µS/cm	2236.52-32*RC	1L	1/ea	$80.35
150,000 µS/cm	149900 - 150100 µS/cm	910 µS/cm	2249.15-32*RC	1L	1/ea	$162.05
200,000 µS/cm	199800 - 200200 µS/cm	1200 µS/cm	2249.20-32*RC	1L	1/ea	$162.05

Description	TDS as NaCl	Certified Value	Uncertainty	Item #	Size	Qty	List
10 µS/cm	4.7 ppm	9.97 - 10.03 µS/cm	0.26 µS/cm	2236-16*RC	500mL	1/ea	$53.46
10 µS/cm	4.7 ppm	9.97 - 10.03 µS/cm	0.26 µS/cm	2236-32*RC	1L	1/ea	$119.53
23.8 µS/cm	11.2 ppm	23.7 - 23.9 µS/cm	0.29 µS/cm	2236.06-16*RC	500mL	1/ea	$53.42
23.8 µS/cm	11.2 ppm	23.7 - 23.9 µS/cm	0.29 µS/cm	2236.06-32*RC	1L	1/ea	$82.46
50 µS/cm	23.6 ppm	49.9 - 50.1 µS/cm	0.39 µS/cm	2236.10-32*RC	1L	1/ea	$82.46
100 µS/cm	47.2 ppm	99.9 - 100.1 µS/cm	0.67 µS/cm	2237-16*RC	500mL	1/ea	$51.82
100 µS/cm	47.2 ppm	99.9 - 100.1 µS/cm	0.67 µS/cm	2237-32*RC	1L	1/ea	$80.35
100 µS/cm	47.2 ppm	99.9 - 100.1 µS/cm	0.67 µS/cm	2237-5*RC	20L*	1/ea	$752.28
200 µS/cm	95 ppm	199 - 201 µS/cm	1.3 µS/cm	2238-1*RC	4L	1/ea	$199.10
200 µS/cm	95 ppm	199 - 201 µS/cm	1.3 µS/cm	2238-16*RC	500mL	1/ea	$53.42
200 µS/cm	95 ppm	199 - 201 µS/cm	1.3 µS/cm	2238-32*RC	1L	1/ea	$82.46
500 µS/cm	240 ppm	499 - 501 µS/cm	3 µS/cm	2241-32*RC	1L	1/ea	$81.29
700 µS/cm	342 ppm	699 - 701 µS/cm	4.2 µS/cm	2242-32*RC	1L	1/ea	$82.46
1000 µS/cm	495 ppm	999 - 1001 µS/cm	6.2 µS/cm	2243-1*RC	4L	1/ea	$193.14
1000 µS/cm	495 ppm	999 - 1001 µS/cm	6.2 µS/cm	2243-16*RC	500mL	1/ea	$52.04
1000 µS/cm	495 ppm	999 - 1001 µS/cm	6.2 µS/cm	2243-32*RC	1L	1/ea	$80.35
2000 µS/cm	1000 ppm	1990 - 2010 µS/cm	12 µS/cm	2244-32*RC	1L	1/ea	$82.46
3000 µS/cm	1534 ppm	2990 - 3010 µS/cm	18 µS/cm	2244.50-16*RC	500mL	1/ea	$53.42
3000 µS/cm	1534 ppm	2990 - 3010 µS/cm	18 µS/cm	2244.50-32*RC	1L	1/ea	$82.46
5000 µS/cm	2620 ppm	4990 - 5010 µS/cm	30 µS/cm	2245-16*RC	500mL	1/ea	$53.52
5000 µS/cm	2620 ppm	4990 - 5010 µS/cm	30 µS/cm	2245-32*RC	1L	1/ea	$81.29
10,000 µS/cm	5400 ppm	9990 - 10010 µS/cm	62 µS/cm	2246-16*RC	500mL	1/ea	$53.00
10,000 µS/cm	5400 ppm	9990 - 10010 µS/cm	62 µS/cm	2246-32*RC	1L	1/ea	$81.86
100,000 µS/cm	65,750 ppm	99900 - 100100 µS/cm	620 µS/cm	2249-32*RC	500mL	1/ea	$81.91

Copper AA Standard 1000 ppm Cu in 3% HNO_3

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Copper	7440-50-8	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Blue liquid	
Assay (vs. EDTA/Murexide)	995 - 1005 ppm Cu	915

Specification	Reference
Copper AA, 1000 ppm in HNO3	EPA (220.1)

Item #	Size	Pkg Type	Qty	List
ACU1KN-500*RC	500mL	Natural poly	1/ea	$133.98

Copper Metal Powder 150 Mesh

CAS# 7440-50-8
Not-Regulated

Test	Specification
Appearance	Orange to brown powder
Copper	99.3% min
Hydrogen Loss	0.03% (wgt) max

Sieve Analysis	
+ 60 Mesh	0%
-60/+80 Mesh	0%
-80/+100 Mesh	TR
-100/+140 Mesh	1% max
-140/+200 Mesh	10% min / 20% max
-200/+325 Mesh	35.8%
-325 Mesh	45% min / 65% max

Item #	Size	Pkg Type	Qty	List
C7777-100*AQ	100g	n/a	1/ea	$42.93

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Copper Standard 1,000 ppm

N.I.S.T. Traceable
AA Standard
Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Test	Specification
Appearance	Clear liquid

Item #	Size	Pkg Type	Qty	List
2250-100*AQ	100mL	n/a	1/ea	$47.65

Copper Sulfate 2% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Copper Sulfate Pentahydrate	7758-99-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Blue liquid	
Assay (vs. Sodium Thiosulfate/Starch)	1.9 - 2.1% (w/v)	136

Specification	Reference
Copper Sulfate Soln. (20 g/L)	ASTM (D 3867 A), ASTM (D 3867 B)
Copper Sulfate Soln.	APHA (4500-NO3- F)
Copper Sulfate Soln., 2%	APHA (4500-NO3- E), EPA (353.3), EPA (353.2)

Item #	Size	Pkg Type	Qty	List
2317-16*RC	500mL	Natural poly	1/ea	$51.38

Cupric Chloride

ACS Reagent Grade, Crystal
CAS# 10125-13-0
Copper Chloride, 8, UN2802, PG III

Test	Specification	Test	Specification
Appearance	Blue-green crystalline	Calcium (Ca)	0.005% max
Assay	99.0% min	Nickel (Ni)	0.01% max
Insoluble Matter	0.01% max	Sulfate (SO_4)	0.005% max
Nitrate (NO_3)	0.15% max	Potassium (K)	0.01% max
Iron (Fe)	0.005% max	Sodium (Na)	0.02% max

Item #	Size	Pkg Type	Qty	List
C8627-125*AQ	125g	n/a	1/ea	$90.33

Cupric Nitrate, Hydrate

ACS Reagent Grade
CAS# 19004-19-4
Nitrates, Inorganic, n.o.s. (Cupric Nitrate), 5.1, UN1477, PG III

Test	Specification	Test	Specification
Assay	>=|98.00|<=|102.00	Mol Wt.	232.59
Chloride	No Limit|0.00|<=|0.002	Potassium	No Limit|0.00|<=|0.005
Insoluble	No Limit|0.00|<=|0.01	Sodium	No Limit|0.00|<=|0.01
Iron	No Limit|0.00|<=|0.005		

Item #	Size	Pkg Type	Qty	List
31701*GF	500g	n/a	1/ea	$162.09

Cupric Sulfate Pentahydrate

ACS Reagent Grade
CAS# 7758-99-8
Environmentally Hazardous Substances, Solid, n.o.s. (Cupric Sulfate RQ = 10 LBS), Marine Pollutant, 9, UN3077, PG III

Test	Specification	Test	Specification
Assay	>=|98.00|<=|102.00	Mol Wt.	249.68
Chloride	No Limit|0.00|<=|0.001	Nitrogen (as N) (%)	No Limit|0.00|<=|0.002
Insoluble	No Limit|0.00|<=|0.005	Potassium	No Limit|0.00|<=|0.01
Iron	No Limit|0.00|<=|0.003	Sodium	No Limit|0.00|<=|0.02

Item #	Size	Pkg Type	Qty	List
32001*GF	500g	n/a	1/ea	$104.21

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Cupric Sulfate Pentahydrate

ACS Reagent Grade
CAS# 7758-99-8
Not-Regulated

Test	Specification	Test	Specification
Assay	98.0 - 102.0%	Nickel (Ni)	max 0.005%
Calcium (Ca)	max 0.005%	Nitrogen Compounds (as N)	max 0.002%
Chloride (Cl)	max 0.001%	Potassium (K)	max 0.01%
Insoluble Matter	max 0.005%	Sodium (Na)	max 0.02%
Iron (Fe)	max 0.003%		

Item #	Size	Pkg Type	Qty	List
RDCC0900-500B1*RC	500g	Poly	1/ea	$120.99

Cupric Sulfate Pentahydrate

ACS Reagent
CAS# 7758-99-8
Not-Regulated

Test	Specification	Test	Specification
Assay	98.0 - 102.0%	Nickel (Ni)	max 0.005%
Calcium (Ca)	max 0.005%	Nitrogen Compounds (as N)	max 0.002%
Chloride (Cl)	max 0.001%	Potassium (K)	max 0.01%
Insoluble Matter	max 0.005%	Sodium (Na)	max 0.02%
Iron (Fe)	max 0.003%		

Item #	Size	Pkg Type	Qty	List
RDCC0900-125A6*RC	125g	Natural poly	1/ea	$101.94
RDCC0900-2.5A5*RC	2.5kg	Natural poly	1/ea	$242.14

Cupric Sulfate

ACS Reagent Grade, Fine Crystal
CAS# 7758-99-8
Environmentally Hazardous Substance, Solid, n.o.s. (Cupric Sulfate), 9, UN3077, PG III

Test	Specification	Test	Specification
Appearance	Blue crystal	Nitrogen Compounds (as N)	0.002%
Assay	98.0 - 102%	Calcium (Ca)	0.005%
Insoluble Matter	0.005%	Nickel	0.005%
Chloride (Cl)	0.001%	Potassium (K)	0.01%
Iron	0.003%	Sodium (Na)	0.02%

Item #	Size	Pkg Type	Qty	List
C8800-125*AQ	125g	n/a	1/ea	$45.12
C8800-500*AQ	500g	n/a	1/ea	$85.77

Cupric Sulfate CS, Blue Primary Solution 1 mL = 62.4 mg $CuSO_4 \cdot 5H_2O$

USP / EP
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Copper Sulfate Pentahydrate	7758-99-8	ACS
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Blue liquid	
Assay (vs. Sodium Thiosulfate/Starch)	62.36 - 62.44 mg/mL	136

Specification	Reference
Cupric Sulfate Soln. (0.5 N)	ASTM (D 565), ASTM (D 612)
Blue Primary Soln.	EP (2.2.2)
Cupric Sulfate CS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
2495-4*RC	120mL	Amb glass	1/ea	$84.01
2495-16*RC	500mL	Amb glass	1/ea	$127.80

Cupriethylenediamine 1 M

Cupriethylenediamine Solution, 8 (6.1), UN1761, PG III

Name	CAS#	Grade
Water	7732-18-5	Reagent
Cupriethylenediamine	13426-91-0	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Blue-purple liquid	
Assay (vs. Sodium Thiosulfate/Starch)	0.98 - 1.02 M	136
Ethylenediamine / Cupric Ratio	1.96 - 2.04	

Item #	Size	Pkg Type	Qty	List
2499-32*RC	1L	Amb glass	1/ea	$216.99

Cyanide Standard 1000 ppm as CN

N.I.S.T. Traceable
Actual ppm CN = 990 - 1010
Not-Regulated

Test	Specification
Actual PPM	1,000.00 ± 5.00 ppm as CN
Appearance	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
2650-100*AQ	100mL	n/a	1/ea	$69.54

Cyanide Standard 1000 ppm CN^-

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Cyanide	151-50-8	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification
Appearance	Colorless liquid
Cyanide (CN^-)	995 - 1005 ppm

Specification	Reference
Stock Std. Cyanide Soln.	APHA (4500-CN- F)
Stock Cyanide Soln.	APHA (4500-CN- E), APHA (4500-CN- K)
Stock Cyanide Soln.	APHA (4500-CN- H)
Cyanide Reference Soln. (1000 mg/L)	EPA (SW-846) (7.3.3.2)
Cyanide Calibration Stock Soln. (1,000 mg/L CN^-)	EPA (SW-846) (9213)
Stock Cyanide Soln.	EPA (335.3), EPA (335.2)
Cyanide Soln. Stock	ASTM (D 4282)
Simple Cyanide Soln., Stock (1.0 g/L CN)	ASTM (D 4374)

Item #	Size	Pkg Type	Qty	List
2543-4*RC	120mL	Amb poly	1/ea	$72.30
2543-16*RC	500mL	Amb poly	1/ea	$137.08

Cyclohexane

ACS Reagent Grade, Fine Crystal
CAS# 110-82-7
Cyclohexane, 3, UN1145, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Subs. Darkened by Sulfuric Acid	Passes test
Assay	99.0% min	Residue after Evap.	0.002% max
Color (APHA)	10 max	Water (H_2O)	0.02% max

Item #	Size	Pkg Type	Qty	List
C9110-4*AQ	4L	n/a	1/ea	$302.79

Cyclohexane 99.8%

Laboratory Grade
CAS# 108-94-1
Cyclohexane, 3, UN1145, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Cyclohexanol	0.05%
Assay	99.8% min	Acidity (as Formic Acid)	0.01%
Color (APHA)	5 max	Water (H_2O)	0.05% max

Item #	Size	Pkg Type	Qty	List
C9125-4*AQ	4L	n/a	1/ea	$318.25

Density Standard 1.063 g/mL @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification
Appearance	Colorless liquid
Density	1.062 - 1.064 g/mL @ 25°C

Item #	Size	Pkg Type	Qty	List
R2547065-1A*RC	1L	Natural poly	1/ea	$579.99

Density Standard 1.170 g/mL @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification
Appearance	Colorless liquid
Density	1.169 - 1.171 g/mL @ 25°C

Item #	Size	Pkg Type	Qty	List
R2547170-1A*RC	1L	Natural poly	1/ea	$582.81

Dextrose (Glucose) Anhydrous

ACS Reagent Grade
CAS# 50-99-7
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Chloride (Cl)	0.01%
Insoluble Matter	0.005%	Sulfate & Sulfite (as SO_4)	0.005%
Loss on Drying	0.2%	Heavy Metals (as Pb)	5 ppm
Residue after Ignition	0.02%	Starch	Passes test
Titrable Acid	0.002 meq/g	Iron (Fe)	5 ppm

Item #	Size	Pkg Type	Qty	List
D2302-100*AQ	100g	Bag	1/ea	CALL
D2302-500*AQ	500g	n/a	1/ea	$166.07
D2302-2.5*AQ	2.5kg	Bag	1/ea	$543.74

Diethylenetriaminepentaacetic Acid

CAS# 67-43-6
Not-Regulated

Test	Specification	Test	Specification
Assay	>=|98.00|No Limit|0.00	Mol Wt.	393.35

Item #	Size	Pkg Type	Qty	List
33801*GF	500g	n/a	1/ea	$131.44

Digestion Reagent

APHA, EPA, ASTM For Organic Nitrogen
Corrosive Liquid, Toxic, n.o.s. (Sulfuric Acid, Mercuric Oxide), 8, UN2922, PG II

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
2782-1*AQ	1L	n/a	1/ea	$74.52

Dimethylamine 26% (w/v)

Dimethylamine Solution, 3 (8), UN1160, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Dimethylamine	124-40-3	Reagent

Test	Specification
Appearance	Colorless to faintly yellow liquid

Item #	Size	Pkg Type	Qty	List
R2569134-4C1*RC	4L	SC glass	1/ea	$1630.92

Dioctyl Phthalate

Laboratory Grade, 99%
CAS# 117-81-7
Environmentally Hazardous Substance, n.o.s. (Dioctyl Phthalate), 9, UN3082, PG III

Test	Specification	Test	Specification
Appearance	Clear liquid	Refractive Index @ 25°C	1.483 min / 1.487 max
Assay	99.40% min	Water (H2O)	0.0500% max
Acid as Phthalic	0.0030% max	Sp. Gr. @ 20°C	0.985 min / 0.987 max
Color	12.0 pcs max		

Item #	Size	Pkg Type	Qty	List
D5300-20*AQ	20L	n/a	1/ea	$670.47

Don't forget to grab your tongs!

Diphenylcarbazone-Bromophenol Blue Mixed Indicator for Chloride Determination

Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
s-Diphenylcarbazone	538-62-5	ACS
Diphenylcarbazide	140-22-7	ACS
Bromophenol Blue, Sodium Salt	62625-28-9	ACS

Test	Specification
Appearance	Deep red liquid
Suitability for Use	Yellow (excess Chloride & proper pH) - Purple (excess Mercury)

Specification	Reference
Mixed Indic. Soln.	ASTM (D 512 A)
Mixed Indicator Reagent	APHA (4500-Cl- C), EPA (325.3)

Item #	Size	Pkg Type	Qty	List
2610-4*RC	120mL	Amb glass	1/ea	$101.44
2610-16*RC	500mL	Amb glass	1/ea	$214.37

Diphenylcarbazide 1% (w/v) Alcoholic

Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Diphenylcarbazide	140-22-7	ACS

Test	Specification
Appearance	Yellow liquid
Suitability for Use	Red in presence of Chromium

Item #	Size	Pkg Type	Qty	List
2591-16*RC	500mL	Amb glass	1/ea	$227.85

Disodium Dihydrogen Ethylenediaminetetraacetate Dihydrate

ACS Reagent Grade
CAS# 6381-92-6
Not-Regulated

Test	Specification	Test	Specification
Assay	>=|99.00|<=|101.00	Mol Wt.	372.26
Heavy Metals (Pb)	No Limit|0.00|<=|0.005	Nitrilotriacetic Acid (%)	No Limit|0.00|<=|0.10
Insoluble	No Limit|0.00|<=|0.005	pH of 5% Soln.	>=|4.00|<=|6.00
Iron	No Limit|0.00|<=|0.01		

Item #	Size	Pkg Type	Qty	List
36002*GF	2.5kg	n/a	1/ea	$602.11

Doctor Solution (Sodium Plumbite)

ASTM D4952
Corrosive Liquid, n.o.s. (Sodium Hydroxide), 8, UN1760, PG II

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3200-20*AQ	20L	n/a	1/ea	$368.77

DPD Indicator Solution

APHA for Resid. Chlorine
Not-Regulated

Test	Specification
Appearance & Color	Clear pale yellow liquid

Item #	Size	Pkg Type	Qty	List
3250-1*AQ	1L	n/a	1/ea	$123.34
3250-4*AQ	4L	n/a	1/ea	$215.90

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DPD Indicator Solution for Residual Chlorine Analysis

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS
N,N-Diethyl-1,4-Phenylenediamine Sulfate	6283-63-2	Reagent
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS

Test	Specification
Appearance	Colorless to slightly pink liquid
Suitability for Use	Pink to red color in the presence of Chlorine

Specification	Reference
N,N-Diethyl-p-Phenylenediamine (DPD) Indic. Soln.	APHA (4500-ClO2 D), APHA (4500-Cl F), APHA (4500-Cl G)
N,N-Diethyl-p-Phenylenediamine (DPD) Indic. Soln.	EPA (330.4), EPA (330.5)
Diethylphenylenediamine Sulphate Soln. R	EP (1028601)

Item #	Size	Pkg Type	Qty	List
2655-16*RC	500mL	Amb glass	1/ea	$132.99
2655-32*RC	1L	Amb glass	1/ea	$208.48

EDTA (Disodium) 2.5% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS

Test	Specification
Appearance	Colorless liquid
Assay (by Refractive Index)	2.3 - 2.7% (w/v)

Specification	Reference
EDTA Reagent	APHA (4500-SO32- B), APHA (4500-SO32- C), EPA (377.1)

Item #	Size	Pkg Type	Qty	List
2665-4*RC	120mL	Natural poly	1/ea	$33.70

EDTA (Disodium) 10% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS
Sodium Hydroxide	1310-73-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to slight yellow liquid	
Assay (vs. Calcium Carbonate/Eriochrome Black T)	9.6 - 10.4% (w/v)	915

Item #	Size	Pkg Type	Qty	List
2670-4*RC	120mL	Natural poly	1/ea	$46.85
2670-16*RC	500mL	Natural poly	1/ea	$87.60

EDTA Disodium Dihydrate

ACS Reagent Grade
CAS# 6381-92-6
Not-Regulated

Test	Specification	Test	Specification
Assay	99.0 - 101.0%	Iron (Fe)	max 0.01%
Heavy Metals (as Pb)	max 0.005%	Nitrilotriacetic Acid $[(HOCOCH_2)_3N]$	max 0.1%
Insoluble Matter	max 0.005%	pH of 5% Soln.	4.0 - 6.0

Item #	Size	Pkg Type	Qty	List
RDCE0220-500B1*RC	500g	Poly	1/ea	$221.33

EDTA Stabilizer Reagent

APHA for Ammonia Nitrogen
Corrosive Liquid, n.o.s. (Sodium Hydroxide), 8, UN1760, PG II

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3450-1*AQ	1L	n/a	1/ea	$128.74

EDTA Titrant 0.0100 M (M/100)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Calcium Carbonate/Eriochrome Black T)	0.00999 - 0.01001 M	915

Specification	Reference
EDTA Soln., Std. (0.01 M)	ASTM (D 511)
Disodium Ethylenediamine Tetraacetate Soln., Std. (1 mL = 1.0 mg CaCO3	ASTM (D 1126)

Item #	Size	Pkg Type	Qty	List
2700-32*RC	1L	Natural poly	1/ea	$48.20
2700-1*RC	4L	Natural poly	1/ea	$109.27
2700-2.5*RC	10L	Cubitainer®	1/ea	$192.86
2700-5*RC	20L	Cubitainer®	1/ea	$289.96

EDTA Titrant 0.0100 M (M/100)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Calcium Carbonate/Eriochrome Black T)	0.02499 - 0.02501 M	915

Item #	Size	Pkg Type	Qty	List
2703-16*RC	500mL	Natural poly	1/ea	$48.18

EDTA Titrant 0.01 M (0.02 N)

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Molarity	0.0100 ± 0.0005 M @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3550-500*AQ	500mL	n/a	1/ea	$22.01
3550-4*AQ	4L	n/a	1/ea	$46.15
3550-20*AQ	20L	n/a	1/ea	$153.67

EDTA Titrant 0.02 M (0.04N)

APHA for Hardness
N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Molarity	0.0200+-0.0005 M @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3545-4*AQ	4L	n/a	1/ea	$50.56

EDTA Titrant 0.025 M (0.05 N)

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Molarity	0.0250 +/- 0.0005 M @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3649-1*AQ	1L	n/a	1/ea	$30.72

EDTA Titrant 0.0500 M (M/20)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Calcium Carbonate/Eriochrome Black T)	0.04999 - 0.05001 M	915

Specification	Reference
EDTA Soln. (18.5 g/L)	ASTM (D 2036 D)
EDTA Soln., 0.05 M	APHA (4500-CN- H)
0.05 M EDTA	TAPPI (T 665 om-93)
Disodium Ethylenediamine Tetraacetate Soln., 0.05 M	ASTM (E 200)
Edetate Disodium, Twentieth-M (0.05 M) Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
2705-1*RC	4L	Natural poly	1/ea	$176.15
2705-2.5*RC	10L	Cubitainer®	1/ea	$322.42
2705-5*RC	20L	Cubitainer®	1/ea	$474.87

EDTA Titrant 0.05 M (0.1 N)

APHA for Hardness
N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Molarity	0.0500 +/- 0.0005 M @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3640-500*AQ	500mL	n/a	1/ea	$26.36
3640-1*AQ	1L	n/a	1/ea	$39.55
3640-4*AQ	4L	n/a	1/ea	$109.78
3640-10*AQ	10L	n/a	1/ea	$159.73
3640-20*AQ	20L	n/a	1/ea	$245.77

EDTA Titrant .0575 M

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Calcium Carbonate/Eriochrome Black T)	0.05745 - 0.05755 M	915

Item #	Size	Pkg Type	Qty	List
2710-1*RC	4L	Natural poly	1/ea	$174.32
2710-2.5*RC	10L	Cubitainer®	1/ea	$351.03

EDTA Titrant 0.0575 M (0.115 N)

APHA for Hardness
N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Molarity	0.0575 ± 0.0005 M @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3650-1*AQ	1L	n/a	1/ea	$39.55
3650-4*AQ	4L	n/a	1/ea	$109.78
3650-10*AQ	10L	n/a	1/ea	$159.73
3650-20*AQ	20L	n/a	1/ea	$245.77

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EDTA Titrant 0.100 M (M/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Calcium Carbonate/Eriochrome Black T)	0.0999 - 0.1001 M	915

Specification	Reference
EDTA, 0.1 M Vs	ACS (N/A)
EDTA Soln. (0.1 N)	ASTM (D 2036 X2)

Item #	Size	Pkg Type	Qty	List
2730-16*RC	500mL	Natural poly	1/ea	$67.68
2730-32*RC	1L	Natural poly	1/ea	$101.86
2730-1*RC	4L	Natural poly	1/ea	$254.96
2730-1CT*RC	4L	Cubitainer®	1/ea	$249.32

EDTA Titrant 0.1 M (0.2 N)

N.I.S.T. Traceable

Not-Regulated

Test	Specification
Actual Molarity	0.1000 ± 0.0005 M @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3540-1*AQ	1L	n/a	1/ea	$52.23
3540-4*AQ	4L	n/a	1/ea	$140.88
3540-4C*AQ	4L	n/a	1/ea	$150.36

EDTA 0.115 M

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Calcium Carbonate/Eriochrome Black T)	0.1145 - 0.1155 M	915

Item #	Size	Pkg Type	Qty	List
R2732000-4A*RC	4L	Natural poly	1/ea	$523.99

EDTA Titrant 0.250 M (M/4)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Calcium Carbonate/Eriochrome Black T)	0.2498 - 0.2502 M	915

Item #	Size	Pkg Type	Qty	List
2733-16*RC	500mL	Natural poly	1/ea	$129.37

Electrode Cleaning Solution for Removal of Membrane/Junction Protein Deposits

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Pepsin A	9001-75-6	Reagent
Hydrochloric Acid	7647-01-0	ACS
Butylparaben	94-26-8	NF

Test	Specification
Appearance	Pale yellow liquid

Item #	Size	Pkg Type	Qty	List
2794-16*RC	500mL	Natural poly	1/ea	$115.99

Electrode Storage Solution

Not-Regulated

Test	Specification
Appearance	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3675-500*AQ	500mL	n/a	1/ea	$31.19
3675-4*AQ	4L	n/a	1/ea	$138.43

Electrode Storage Solution for Storing Glass & Combination pH Electrodes

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
pH Adjustor	Proprietary	
Ionic Strength Adjustor	Proprietary	

Test	Specification
Appearance	Colorless liquid

Item #	Size	Pkg Type	Qty	List
2795-16*RC	500mL	Natural poly	1/ea	$64.18
2795-32*RC	1L	Natural poly	1/ea	$90.90
2795-1*RC	4L	Natural poly	1/ea	$248.15
2795-5*RC	20L	Cubitainer®	1/ea	$648.08

Eosin Y TS 0.5% (w/v) Adsorption Indicator for Argentometric Titrations

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Eosin Y	17372-87-1	Certified

Test	Specification
Appearance	Deep red liquid
Suitability for Use	Magenta (excess Silver Ions)

Specification	Reference
Eosin Y RS	ACS (N/A)
Eosin Y TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
2858-16*RC	500mL	Natural poly	1/ea	$91.35

Eriochrome Black T

Indicator Grade

CAS# 1787-61-7

Not-Regulated

Test	Specification	Test	Specification
Appearance	Brown-black powder	UV Spectrometry	Complies
Infrared Spectrometry	Authentic	Suitability Test (for Complexometric Determination of Metals)	Passes

Item #	Size	Pkg Type	Qty	List
E2049-25*AQ	25g	n/a	1/ea	$54.16
E2049-100*AQ	100g	n/a	1/ea	$102.34

Eriochrome Black TS

Flammable Liquid, n.o.s. (Methanol), 3, UN1993, PG II

Name	CAS#	Grade
Methyl Alcohol	67-56-1	ACS
Hydroxylamine Hydrochloride	5470-11-1	ACS
Eriochrome Black T	1787-61-7	ACS

Test	Specification
Appearance	Deep red liquid
Suitability for Use	Wine red (excess Ca/Mg) - Blue (excess EDTA)

Specification	Reference
Eriochrome Black TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
2901-4*RC	120mL	Amb glass	1/ea	$113.52

Stains, Stain Jars, Staining Kits, Immersion Oils & Slide Mailers are also Available!

Eriochrome Blue Black R Indicator, 0.2% (w/w) in Sodium Chloride

Not-Regulated

Name	CAS#	Grade
Sodium Chloride	7647-14-5	ACS
Eriochrome Blue Black R	2538-85-4	Reagent

Test	Specification
Appearance	Violet/purple solid
Suitability for Use	Purple (excess Ca or Mg) - Pure blue (excess EDTA)

Specification	Reference
Eriochrome Blue Black R Indicator	APHA (3500-Ca B)
Eriochrome Blue Black R Indicator, Dry Powder	EPA (215.2)

Item #	Size	Pkg Type	Qty	List
2902-100*RC	100g	Poly	1/ea	$84.47

Ethanol 95.5%

USP
CAS# 64-17-5
Ethanol Solutions, 3, UN1170, PG II

Test	Specification	Test	Specification
Acidity or Alkalinity	To pass test	Identification - Ethanol	To pass test
Appearance	Colorless liquid	Non-volatile Residue	To pass test
Assay	94.9 - 96.0% (v/v)	Sp. Gr.	0.812 - 0.816 @ 15.56°C
Clarity	To pass test	UV Absorption	To pass test
Color	To pass test	Volatile Impurities	To pass test

Specification	Reference
Alcohol	USP (Current)

Item #	Size	Pkg Type	Qty	List
R2916000-1A*RC	1L	Natural poly	1/ea	$191.71

Ethanol, Grain Derived, 200 Proof

200 Proof
CAS# 64-17-5
Ethanol Solutions, 3, UN1170, PG II

Test	Specification	Test	Specification
Acidity (as Acetic Acid)	max 0.003	Non-volatile Residue	max 0.003%
Alkalinity (as NH3)	max 3	Organic Impurities (Other)	< 1000
Assay	min 94.9% (v/v)	Organic Impurities (Sum)	< 5000
Fusel Oil	To pass test	Solubility in Water	To pass test
IR Identification	To pass test	Sp. Gr. @ 15.56°C	max 0.8161
Ketones/Isopropanol	To pass test	Sp. Gr. @ 25.0°C	max 0.8096
Lead (Pb)	max 0.50 mg/kg	Subs. Darkened by Sulfuric Acid	To pass test
Methanol	< 200	Subs. Red. Permanganate	To pass test

Item #	Size	Pkg Type	Qty	List
RSOE0013-5E4*RC	5gal.	Metal drum	1/ea	$610.15

Ethyl Acetate

HPLC Grade
CAS# 141-78-6
Ethyl Acetate, 3, UN1173, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Infrared Spectrum	Conforms
Assay	99.8% min	Subs. Darkened by Sulfuric Acid	Passes test
Color (APHA)	10 max	Titrable Acid	0.0009 meq/g max
Evap. Residue	5 ppm max	Water (H2O)	0.05% max

Item #	Size	Pkg Type	Qty	List
E2401-4*AQ	4L	n/a	1/ea	$257.30

Ethyl Acetate

ACS Reagent Grade
CAS# 141-78-6
Ethyl Acetate, 3, UN1173, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Water (H2O)	0.2% max
Assay	99.5% min	Titrable Acid	0.0009% max
Color (APHA)	10 max	Subs. Darkened by Sulfuric Acid	Passes test
Residue after Evap.	0.003% max		

Item #	Size	Pkg Type	Qty	List
E2404-500*AQ	500mL	n/a	1/ea	$50.67
E2404-4*AQ	4L	n/a	1/ea	$190.75

Ethyl Violet 0.1% (w/v) in 50% (v/v) Methanol

Flammable Liquid, n.o.s. (Methanol), 3, UN1993, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Methyl Alcohol	67-56-1	ACS
Ethyl Violet	2390-59-2	Purified

Test	Specification
Appearance	Blue liquid
Suitability for Use	Yellow (pH 0.0) - Blue (pH 3.5)

Item #	Size	Pkg Type	Qty	List
R2946000-500C*RC	500mL	Amb glass	1/ea	$152.90

Ethylene Glycol 99%

Reagent Grade
CAS# 107-21-1
Not-Regulated

Test	Specification	Test	Specification
Appearance	Clear liquid	Sp. Gr. @ 20/20°C	1.1145
Color (APHA)	10 max	Acidity as Acetic Acid	0.005% max
Diethylene Glycol	0.500% max	Water	0.200% max
Monothylene Glycol	99.000% min	Ash	0.005% max
Other Glycols	0.100% max		

Item #	Size	Pkg Type	Qty	List
E8270-500*AQ	500mL	n/a	1/ea	$62.61
E8270-20*AQ	20L	n/a	1/ea	$810.44

Ethylene Glycol 99%

Laboratory Grade
CAS# 107-21-1
Not-Regulated

Test	Specification	Test	Specification
Appearance	Clear liquid	Iron ppm	0.2 max
Color, PTCO	5 max	Sp. Gr. @ 20/20°C	1.1145 - 1.1160
Diethylene Glycol, wt.%	0.100 max	Acidity as Acetic Acid, wt.%	0.005 max
Ethylene Glycol, wt.%	99.800 min	Water, wt.%	0.300

Item #	Size	Pkg Type	Qty	List
E8275-4*AQ	4L	n/a	1/ea	$214.54

Ethylenedinitrilotetra-acetic Acid Disodium Salt

ACS Reagent Grade
CAS# 6381-92-6
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline powder	Nitrilotriacetic Acid	0.1% max
Assay	99.0- 101.0%	Heavy Metals (as Pb)	0.005% max
pH of a 5% Soln. @ 25°C	4.0 - 6.0 max	Iron	0.01% max
Insoluble Matter	0.005% max		

Item #	Size	Pkg Type	Qty	List
E7505-125*AQ	125g	n/a	1/ea	$72.19
E7505-500*AQ	500g	n/a	1/ea	$162.52
E7505-2.5*AQ	2.5kg	n/a	1/ea	$488.61
E7505-12*AQ	12kg	n/a	1/ea	$1354.02

Fehling's Solution A (Copper Sulfate)

TS Prepared to USP 30
Not-Regulated

Test	Specification
Appearance & Color	Clear blue liquid

Item #	Size	Pkg Type	Qty	List
F2205-500*AQ	500mL	n/a	1/ea	$19.96

Fehlings Solution B (Alkaline Tartrate)

TS Prepared to USP 30
Corrosive Liquid, n.o.s. (Sodium Hydroxide), 8, UN1760, PG II

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
F2206-500*AQ	500mL	n/a	1/ea	$52.96
F2206-1*AQ	1L	n/a	1/ea	$95.41

Ferric Ammonium Citrate, Purified

Reagent Grade
CAS# 1185-57-5
Not-Regulated

Test	Specification
Solubility	None|0.00|None|0.00

Item #	Size	Pkg Type	Qty	List
39151*GF	500g	n/a	1/ea	$92.84

Ferric Ammonium Sulfate 8%

Indicator Solution ASTM E-200
Not-Regulated

Test	Specification
Verification	80.0 +- 0.2 gpL FAS
Appearance & Color	Clear yellow to slight brown liquid

Item #	Size	Pkg Type	Qty	List
3761-500*AQ	500mL	n/a	1/ea	$33.87

Ferric Ammonium Sulfate TS 8% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ferric Ammonium Sulfate Dodecahydrate	7783-83-7	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Amb liquid	
Assay (vs. Sodium Thiosulfate/Starch)	7.9 - 8.1% (w/v)	136

Specification	Reference
Ferric Ammonium Sulfate Indic. Soln.	ASTM (E 200)
Ferric Ammonium Sulfate Indicator RS	ACS (N/A)
Ferric Ammonium Sulfate TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
3058-16*RC	500mL	Natural poly	1/ea	$99.86

Ferric Chloride 0.025% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ferric Chloride Hexahydrate	10025-77-1	ACS
Hydrochloric Acid	7647-01-0	ACS

Test	Specification
Appearance	Light Amb liquid
Identification - Chloride	To pass test
Identification - Iron (Ferric)	To pass test

Specification	Reference
Ferric Chloride Soln.	APHA (5210 B)

Item #	Size	Pkg Type	Qty	List
3100-16*RC	500mL	Natural poly	1/ea	$66.87

Ferric Chloride 0.025% w/v

APHA for BOD
Not-Regulated

Test	Specification
Wt% Ferric Chloride	0.0250 +- 0.0002%
Appearance & Color	Clear yellow liquid

Item #	Size	Pkg Type	Qty	List
3780-1*AQ	1L	n/a	1/ea	$42.93

Ferric Chloride 6% (w/w)

Ferric Chloride Solution, 8, UN2582, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ferric Chloride Hexahydrate	10025-77-1	ACS
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Amb liquid	
Assay (vs. Sodium Thiosulfate/Starch)	5.94 - 6.06% (w/w)	136

Item #	Size	Pkg Type	Qty	List
3118-1*RC	4L	Natural poly	1/ea	$597.20

Ferric Chloride 100% (w/v) (100 g + 40 mL Water)

Ferric Chloride Solution, 8, UN2582, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ferric Chloride Hexahydrate	10025-77-1	ACS
Hydrochloric Acid	7647-01-0	ACS

Test	Specification
Appearance	Amb liquid
Assay (by Sp. Gr.)	97 - 103% (w/v)

Specification	Reference
Ferric Chloride Soln.	APHA (4500-S2- D), EPA (376.2), TAPPI (T 406 om-94)

Item #	Size	Pkg Type	Qty	List
3130-4*RC	120mL	Natural poly	1/ea	$123.80
3130-16*RC	500mL	Natural poly	1/ea	$303.75

Ferric Chloride CS, Yellow Primary Solution 1 mL = 45.0 mg $FeCl_3 \cdot 6H_2O$

USP / EP
Ferric Chloride Solution, 8, UN2582, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ferric Chloride Hexahydrate	10025-77-1	ACS
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Amb liquid	
Assay (vs. Sodium Thiosulfate/Starch)	44.97 - 45.03 mg/mL	136

Specification	Reference
Ferric Chloride Soln. (0.5 N)	ASTM (D 565), ASTM (D 612)
Yellow Primary Soln.	EP (2.2.2)
Ferric Chloride CS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
3110-4*RC	120mL	Amb glass	1/ea	$82.17

Ferric Chloride, Anhydrous, 97%

CAS# 7705-08-0
Ferric Chloride, Anhydrous, Marine Pollutant, 8, UN1773, PG III

Test	Specification
Assay	>=|97.00|No Limit|0.00
Mol Wt.	162.21

Item #	Size	Pkg Type	Qty	List
39291*GF	500g	n/a	1/ea	$74.05

Ferric Chloride, Hexahydrate

ACS Reagent Grade
CAS# 10025-77-1
Corrosive Solid, Acidic, Inorganic, n.o.s. (Ferric Chloride Hexahydrate), 8, UN3260, PG III

Test	Specification	Test	Specification
Assay	>=|97.00|<=|102.00	Nitrate	No Limit|0.00|<=|0.01
Copper	No Limit|0.00|<=|0.003	Potassium	No Limit|0.00|<=|0.005
Insoluble	No Limit|0.00|<=|0.01	Sodium	No Limit|0.00|<=|0.05
Magnesium	No Limit|0.00|<=|0.005	Zinc	No Limit|0.00|<=|0.003
Mol Wt.	270.3		

Item #	Size	Pkg Type	Qty	List
39302*GF	2.5kg	n/a	1/ea	$481.90

Ferric Chloride, Hexahydrate

ACS Reagent Grade
CAS# 10025-77-1
Corrosive Solid, Acidic, Inorganic, n.o.s. (Ferric Chloride Hexahydrate), 8, UN3260, PG III

Test	Specification	Test	Specification
Assay	97.0 - 102.0%	Nitrate (NO_3)	max 0.01%
Calcium (Ca)	max 0.01%	Phosphorus Compounds (as PO_4)	max 0.01%
Copper (Cu)	max 0.003%	Potassium (K)	max 0.005%
Ferrous Iron (Fe^{-})	max 0.002%	Sodium (Na)	max 0.05%
Insoluble Matter	max 0.01%	Sulfate (SO_4)	max 0.01%
Magnesium (Mg)	max 0.005%	Zinc (Zn)	max 0.003%

Item #	Size	Pkg Type	Qty	List
RDCF0200-500B1*RC	500g	Poly	1/ea	$142.20

Ferric Chloride, Hexahydrate

ACS Reagent Grade, Lumps
CAS# 10025-77-1
Corrosive Solid, Acidic, Inorganic, n.o.s. (Ferric Chloride Hexahydrate), 8, UN3260, PG III

Test	Specification	Test	Specification
Appearance	Yellow brown solid	Copper (Cu)	0.003% max
Assay	97.0 - 102.0%	Magnesium (Mg)	0.005% max
Insoluble Matter	0.01% max	Potassium (K)	0.005% max
Nitrate (NO_3)	0.01% max	Sodium (Na)	0.05% max
Sulfate (SO_4)	0.01% max	Zinc (Zn)	0.003% max
Phosphorus Compounds (as PO_4)	0.01% max	Ferrous Iron (Fe++)	0.002% max
Calcium (Ca)	0.01% max		

Item #	Size	Pkg Type	Qty	List
F2520-500*AQ	500g	n/a	1/ea	$128.53
F2520-2.5*AQ	2.5kg	n/a	1/ea	$309.92
F2520-12*AQ	12kg	n/a	1/ea	$1382.51

Ferric Nitrate

ACS Reagent Grade
CAS# 7782-61-8
Ferric Nitrate, 5.1, UN1466, PG III

Test	Specification	Test	Specification
Assay	>=|98.00|<=|101.00	Mol Wt.	404.0
Chloride	No Limit|0.00|<=|0.005	Potassium	No Limit|0.00|<=|0.005
Insoluble	No Limit|0.00|<=|0.005	Sodium	No Limit|0.00|<=|0.05
Magnesium	No Limit|0.00|<=|0.005		

Item #	Size	Pkg Type	Qty	List
39372*GF	2.5kg	n/a	1/ea	$302.67

Ferric Nitrate Solution Stock 202 g/L in Dilute Nitric Acid

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ferric Nitrate Nonahydrate	7782-61-8	ACS
Nitric Acid	7697-37-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Light brown liquid	
Assay (vs. Sodium Thiosulfate/Starch)	201.8 - 202.2 g/L	136

Specification	Reference
Stock Ferric Nitrate Soln.	APHA (4500-Cl- E)
Ferric Nitrate Soln., 20.2%	EPA (SW-846) (9251)

Item #	Size	Pkg Type	Qty	List
3134-32*RC	1L	Amb poly	1/ea	$403.82

Ferroin Indicator 0.025 M Phenanthroline Ferrous Sulfate Complex

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
1,10-Phenanthroline Monohydrate	5144-89-8	ACS
Ferrous Sulfate Heptahydrate	7782-63-0	ACS

Test	Specification
Appearance	Dark red liquid
Suitability for Use	Very pale green (oxidized) - Reddish-brown (reduced)

Specification	Reference
Phenanthroline Ferrous Sulfate Indic. Soln.	ASTM (D 1252 A), ASTM (D 1252 B)
Ferroin Indic. Soln.	APHA (5220 B)
Ferroin Indic. Soln. (Undiluted)	APHA (5220 C)
Phenanthroline-Ferrous Sulfate (Ferroin) Indic. Soln.	TAPPI (T 235 cm-85)
"Ferroin" Indicator	TAPPI (T 610 sp-97)
Phenanthroline-Ferrous Sulfate	TAPPI (T 203 om-93)
Phenanthroline Ferrous Sulfate (Ferroin) Indic. Soln.	EPA (410.3), EPA (410.1), EPA (410.2)
1,10-Phenanthroline Ferrous Sulfate Indicator	ASTM (E 200)
Ferroin Indicator, 0.025 M RS	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
3140-4*RC	120mL	Amb glass	1/ea	$99.60
3140-16*RC	500mL	Amb glass	1/ea	$296.54

Ferroin Indicator 0.025M

Redox Indicator ASTM E-200
Not-Regulated

Test	Specification
Appearance & Color	Dark red liquid

Item #	Size	Pkg Type	Qty	List
3820-100*AQ	100mL	n/a	1/ea	$48.26
3820-500*AQ	500mL	n/a	1/ea	$162.08

Ferrous Ammonium Sulfate

ACS Reagent Grade
CAS# 7783-85-9
Not-Regulated

Test	Specification	Test	Specification
Assay	>=|98.50|<=|101.50	Mol Wt.	392.14
Copper	No Limit|0.00|<=|0.003	Phosphate	No Limit|0.00|<=|0.003
Ferric Iron (%)	No Limit|0.00|<=|0.01	Potassium	No Limit|0.00|<=|0.002
Insoluble	No Limit|0.00|<=|0.01	Sodium	No Limit|0.00|<=|0.02
Magnesium	No Limit|0.00|<=|0.002	Zinc	No Limit|0.00|<=|0.003
Manganese	No Limit|0.00|<=|0.01		

Item #	Size	Pkg Type	Qty	List
39701*GF	500g	n/a	1/ea	$153.07

Ferrous Ammonium Sulfate

ACS Reagent Grade
CAS# 7783-85-9
Not-Regulated

Test	Specification	Test	Specification
Appearance	Blue green crystalline	Magnesium (Mg)	0.002% max
Assay	98.5 - 101.5%	Manganese (Mn)	0.01% max
Insoluble Matter	0.01% max	Potassium (K)	0.002% max
Phosphate (PO_4)	0.003% max	Sodium (Na)	0.02% max
Calcium (Ca)	0.005% max	Zinc (Zn)	0.003% max
Copper (Cu)	0.003% max	Ferric Ion (Fe^3+)	0.01% max

Item #	Size	Pkg Type	Qty	List
F3002-500*AQ	500g	n/a	1/ea	$203.10
F3002-2.5*AQ	2.5kg	n/a	1/ea	$784.58

Ferrous Ammonium Sulfate 0.00282 N (0.00282 M), 1 mL = 0.1 mg Cl_2

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS
Ferrous Ammonium Sulfate Hexahydrate	7783-85-9	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Light green liquid	
Assay (vs. Potassium Dichromate/Ferroin)	0.002815 - 0.002825 N @ 20°C	136

Specification	Reference
Std. Ferrous Ammonium Sulfate (FAS) Titrant	APHA (4500-ClO2 D), APHA (4500-Cl F),
Std. Ferrous Ammonium Sulfate (FAS) Titrant	APHA (4500-Cl G)
Std. Ferrous Ammonium Sulfate (FAS) Titrant	EPA (330.4)

Item #	Size	Pkg Type	Qty	List
3144-32*RC	1L	Amb glass	1/ea	$104.85
3144-1*RC	4L	Amb glass	1/ea	$437.06

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Ferrous Ammonium Sulfate 0.100 N (N/10) 0.100 M (M/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ferrous Ammonium Sulfate Hexahydrate	7783-85-9	ACS
Sulfuric Acid	7664-93-9	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Light green liquid	
Assay (vs. Potassium Dichromate/Ferroin)	0.0999 - 0.1001 N @ 20°C	136

Specification	Reference
Ferrous Ammonium Sulfate Soln. (0.10 N)	ASTM (D 1252 B)
Std. Ferrous Ammonium Sulfate Titrant (FAS)	APHA (5220 C)
Ferrous Ammomium Sulfate, 0.1 N	TAPPI (T 610 sp-97)
Ferrous Ammonium Sulfate, 0.1 N Vs	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
3145-32*RC	1L	Amb glass	1/ea	$102.47

Ferrous Ammonium Sulfate 0.1 N

Actual Normality = 0.0995 - 0.1005
Corrosive Liquid, n.o.s. (Sulfuric Acid), 8, UN1760, PG II

Test	Specification
Actual Normality	0.1000 ± 0.0005 N @ 20°C
Appearance & Color	Clear to pale blue-green liquid

Item #	Size	Pkg Type	Qty	List
3840-1*AQ	1L	n/a	1/ea	$61.43

Ferrous Ammonium Sulfate 1ml=0.1mg

APHA for Residual Chlorine
Actual ug/ml Cl = 98 - 102
Not-Regulated

Test	Specification
Verification	100.00 +/- 3.00 ug/ml Chlorine @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3830-1*AQ	1L	n/a	1/ea	$49.73

Ferrous Chloride

Reagent Grade, Crystal
CAS# 13478-10-9
Not-Regulated

Test	Specification	Test	Specification
Assay	62.5 - 66.0%	Insoluble Matter	max 0.01%
Arsenic	max 0.001%	Sulfate (SO_4)	max 0.01%

Item #	Size	Pkg Type	Qty	List
F3010-500*AQ	500g	n/a	1/ea	$251.79

Ferrous Sulfate, Heptahydrate

ACS Reagent Grade
CAS# 7783-85-9
Not-Regulated

Test	Specification	Test	Specification
Appearance	Light grey granulate	Magnesium (Mg)	0.002% max
Assay	99.0% min	Manganese (Mn)	0.05% max
Insoluble Matter	0.01% max	Potassium (K)	0.002% max
Chloride (Cl)	0.001% max	Sodium (Na)	0.02% max
Phosphate (PO_4)	0.001% max	Zinc (Zn)	0.005% max
Calcium (Ca)	0.005% max	Ferric Ion (Fe^{3+})	0.1% max
Copper (Cu)	0.005% max		

Item #	Size	Pkg Type	Qty	List
F3030-500*AQ	500g	n/a	1/ea	$138.25
F3030-2.5*AQ	2.5kg	n/a	1/ea	$445.98

Ferrous Sulfate, Heptahydrate

ACS Reagent Grade
CAS# 7782-63-0
Not-Regulated

Test	Specification	Test	Specification
Assay	>=|99.00|No Limit|0.00	Magnesium	No Limit|0.00|<=|0.002
Calcium	No Limit|0.00|<=|0.005	Manganese	No Limit|0.00|<=|0.05
Copper	No Limit|0.00|<=|0.005	Mol Wt.	278.01
Insoluble	No Limit|0.00|<=|0.01	Sodium	No Limit|0.00|<=|0.02

Item #	Size	Pkg Type	Qty	List
40002*GF	2.5kg	n/a	1/ea	$416.53

Fluorescein, Disodium Salt

CAS# 518-47-8
Not-Regulated

Test	Specification	Test	Specification
Mol Wt.	376.27	Suit. as a Fluorescence Indicator	None|0.00|None|0.00

Item #	Size	Pkg Type	Qty	List
40202*GF	500g	n/a	1/ea	$166.23

Fluoride Standard 0.1 ppm F^- (Premixed with TISAB)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Acetic Acid	64-19-7	ACS
Sodium Chloride	7647-14-5	ACS
Sodium Hydroxide	1310-73-2	Reagent
1,2-Cyclohexylenediamine Tetraacetic Acid (CDTA)	13291-61-7	ACS
Sodium Fluoride	7681-49-4	High Purity

Test	Specification
Appearance	Colorless liquid
Fluoride (F)	0.09 - 0.11 ppm

Item #	Size	Pkg Type	Qty	List
R3161210-500A*RC	500mL	Natural poly	1/ea	$31.91

Fluoride Standard 0.2 ppm F^- (Premixed with TISAB)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Acetic Acid	64-19-7	ACS
Sodium Chloride	7647-14-5	ACS
Sodium Hydroxide	1310-73-2	Reagent
1,2-Cyclohexylenediamine Tetraacetic Acid (CDTA)	13291-61-7	ACS
Sodium Fluoride	7681-49-4	High Purity

Test	Specification
Appearance	Colorless liquid
Fluoride (F)	0.198 - 0.202 ppm

Item #	Size	Pkg Type	Qty	List
R3161300-500A*RC	500mL	Natural poly	1/ea	CALL

Fluoride Standard 0.5 ppm F^- (Premixed with TISAB)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Acetic Acid	64-19-7	ACS
Sodium Chloride	7647-14-5	ACS
Sodium Hydroxide	1310-73-2	Reagent
1,2-Cyclohexylenediamine Tetraacetic Acid (CDTA)	13291-61-7	ACS
Sodium Fluoride	7681-49-4	High Purity

Test	Specification
Appearance	Colorless liquid
Fluoride (F)	0.49 - 0.51 ppm

Item #	Size	Pkg Type	Qty	List
3161.5-16*RC	500mL	Natural poly	1/ea	$96.14
3161.5-32*RC	1L	Natural poly	1/ea	$138.76
3161.5-1*RC	4L	Natural poly	1/ea	$439.41

Fluoride Standard 1 ppm F^-

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Fluoride	7681-49-4	High Purity

Test	Specification
Appearance	Colorless liquid
Fluoride (F)	0.99 - 1.01 ppm

Item #	Size	Pkg Type	Qty	List
3166-16*RC	500mL	Natural poly	1/ea	$79.67
3166-32*RC	1L	Natural poly	1/ea	$135.42

Fluoride Standard 1 ppm F^- (Premixed with TISAB / Color Coded Green)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Acetic Acid	64-19-7	ACS
Sodium Chloride	7647-14-5	ACS
Sodium Hydroxide	1310-73-2	Reagent
1,2-Cyclohexylenediamine Tetraacetic Acid (CDTA)	13291-61-7	ACS
Blue Dye	Proprietary	
Yellow Dye	Proprietary	
Sodium Fluoride	7681-49-4	High Purity

Test	Specification
Appearance	Green liquid
Fluoride (F)	0.99 - 1.01 ppm

Item #	Size	Pkg Type	Qty	List
3162-16*RC	500mL	Natural poly	1/ea	$101.05
3162-32*RC	1L	Natural poly	1/ea	$164.34
3162-1*RC	4L	Natural poly	1/ea	$343.09
3162-5*RC	20L	Cubitainer®	1/ea	$1360.93

Fluoride Standard 2 ppm F^- (Premixed with TISAB / Color Coded Red)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Acetic Acid	64-19-7	ACS
Sodium Chloride	7647-14-5	ACS
Sodium Hydroxide	1310-73-2	Reagent
Sodium Fluoride	7681-49-4	High Purity
1,2-Cyclohexylenediamine Tetraacetic Acid (CDTA)	13291-61-7	ACS
Red Dye	Proprietary	Purified

Test	Specification
Appearance	Red liquid
Fluoride (F)	1.98 - 2.02 ppm

Item #	Size	Pkg Type	Qty	List
3163-16*RC	500mL	Natural poly	1/ea	$101.05
3163-1*RC	4L	Natural poly	1/ea	$343.09
3163-5*RC	20L	Cubitainer®	1/ea	$1625.66

Fluoride Standard 2 ppm F^-

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Fluoride	7681-49-4	High Purity

Test	Specification
Appearance	Colorless liquid
Fluoride (F)	1.98 - 2.02 ppm

Item #	Size	Pkg Type	Qty	List
3167-16*RC	500mL	Natural poly	1/ea	$79.67

Fluoride Standard 5 ppm F^- (Premixed with TISAB / Color Coded Blue)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Acetic Acid	64-19-7	ACS
Sodium Chloride	7647-14-5	ACS
Sodium Hydroxide	1310-73-2	Reagent
1,2-Cyclohexylenediamine Tetraacetic Acid (CDTA)	13291-61-7	ACS
Blue Dye	Proprietary	Purified
Sodium Fluoride	7681-49-4	High Purity

Test	Specification
Appearance	Blue liquid
Fluoride (F)	4.97 - 5.03 ppm

Item #	Size	Pkg Type	Qty	List
3164-16*RC	500mL	Natural poly	1/ea	$101.33

Fluoride Standard 5 ppm F^-

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Fluoride	7681-49-4	High Purity

Test	Specification
Appearance	Colorless liquid
Fluoride (F)	4.97 - 5.03 ppm

Specification	Reference
Fluoride Std. Soln. (0.005 mg in 1 mL)	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
3169-16*RC	500mL	Natural poly	1/ea	$77.47
3169-32*RC	1L	Natural poly	1/ea	$131.68

Fluoride Standard 10 ppm F^-

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Fluoride	7681-49-4	High Purity

Test	Specification
Appearance	Colorless liquid
Fluoride (F)	9.95 - 10.05 ppm

Specification	Reference
Sodium Fluoride Soln., Std. (1.0 mL = 0.01 mg F)	ASTM (D 1179 A), ASTM (D 1179 B)
Std. Fluoride Soln.	APHA (4500-F- D), APHA (4500-F- C)
Std. Fluoride Soln.	EPA (340.1)
Sodium Fluoride, Std. Soln., 1.0 mL = 0.01 mg F	EPA (340.2)
Std. Soln., 1.0 mL = 0.01 mg F	EPA (340.3)

Item #	Size	Pkg Type	Qty	List
3170-16*RC	500mL	Natural poly	1/ea	$77.47
3170-32*RC	1L	Natural poly	1/ea	$131.68

Fluoride Standard 100.0 ppm w/v Solution

Certified

Not-Regulated

Test	Specification
Certified	100.0 +/- 2.0 ppm as Fluoride
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3861-1*AQ	1L	n/a	1/ea	$65.83

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Fluoride Standard

Fluoride Standard 100 ppm F^-

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Fluoride	7681-49-4	High Purity

Test	Specification
Appearance	Colorless liquid
Fluoride (F)	99.5 - 100.5 ppm

Specification	Reference
Stock Fluoride Soln.	APHA (4500-F- C), EPA (340.1)
Fluoride Std. Soln. (100 mg/L F^-)	EPA (SW-846) (9214)
Sodium Fluoride, Stock Soln., 1.0 mL = 0.1 mg F	EPA (340.2)

Item #	Size	Pkg Type	Qty	List
3171-16*RC	500mL	Natural poly	1/ea	$104.01
3171-32*RC	1L	Natural poly	1/ea	$131.68

Fluoride Standard 1,000 ppm F^-

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Fluoride	7681-49-4	High Purity

Test	Specification
Appearance	Colorless liquid
Fluoride (F)	995 - 1005 ppm

Specification	Reference
Fluoride Soln., Stock (1.00 mL = 1.00 mg F)	ASTM (D 5542), ASTM (D 5996), ASTM (D 4327)
Fluoride Stock Soln. (1.00 mL = 1.00 mg F^-)	EPA (SW-846) (9056)
Fluoride Calibration Stock Soln. (1,000 mg/L F^-)	EPA (SW-846) (9214)
Stock Soln., 1.0 mL = 1.0 mg F	EPA (340.3)
Fluoride Stock Std. Soln. (1 mg of F in 1 mL)	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
3173-4*RC	120mL	Natural poly	1/ea	$48.41
3173-16*RC	500mL	Natural poly	1/ea	$106.72
3173-32*RC	1L	Natural poly	1/ea	$169.75

Fluoride Standard 1,000 ppm w/v

Certified
Not-Regulated

Test	Specification
Certified	1,000 +/- 20 ppm Fluoride
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3855-500*AQ	500mL	n/a	1/ea	$39.55

Formaldehyde 10% v/v Solution (Formalin)

Non-Buffered
Not-Regulated

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
F6055-500*AQ	500mL	n/a	1/ea	$24.06
F6055-4*AQ	4L	n/a	1/ea	$60.19

Formaldehyde 10% v/v Buffered Solution

Buffered
Not-Regulated

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
F6060-4*AQ	4L	n/a	1/ea	$63.18

Formaldehyde 37%

ACS Reagent Grade
CAS# 50-00-0
Formaldehyde, Solutions, Flammable, 3, UN1198, PG III

Test	Specification	Test	Specification
Appearance	Clear water white liquid	Iron (Fe)	5 ppm max
Assay	36.5 - 38.0%	Sulfate (SO4)	0.002% max
Chloride (Cl)	5 ppm max	Titrable Acid	0.006 meq/g max
Color (APHA)	10 max	Residue after Ignition	0.005% max
Heavy Metals (as Pb)	5 ppm max		

Item #	Size	Pkg Type	Qty	List
F6025-4*AQ	4L	n/a	1/ea	$184.26
F6025-20*AQ	20L	n/a	1/ea	$451.35

Formaldehyde 37%

Laboratory Grade
CAS# 50-00-0
Formaldehyde, Solutions, Flammable, 3, UN1198, PG III

Test	Specification	Test	Specification
Appearance	Clear water white liquid	Iron (Fe)	5 ppm max
Assay	36.55 - 38.0%	Sulfate (SO_4)	0.002% max
Chloride (Cl)	5 ppm max	Titrable Acid	0.006 meq/g max
Color (APHA)	10 max	Residue after Ignition	0.005% max
Heavy Metals (as Pb)	5 ppm max		

Item #	Size	Pkg Type	Qty	List
F6029-1*AQ	1L	n/a	1/ea	$57.19
F6029-20*AQ	20L	n/a	1/ea	$357.54

Formazin 4,000 NTU Turbidity Standard

Not-Regulated

Test	Specification
Appearance & Color	Milky white liquid

Item #	Size	Pkg Type	Qty	List
3875-500*AQ	500mL	n/a	1/ea	$94.77

Formic Acid 88%

ACS Reagent Grade
CAS# 64-18-6
Formic Acid, 8, UN1779, PG II

Test	Specification	Test	Specification
Appearance	Colorless fuming liquid	Chloride (Cl)	0.001% max
Assay	88.0% min	Sulfate (SO4)	0.002% max
Dilution Test	Passes test	Sulfite (SO2)	Passes test
Residue after Evap.	0.002% max	Heavy Metals (as Pb)	5 ppm max
Color, APHA	15 max	Iron (Fe)	5 ppm max
Acetic Acid (CH2COOH)	0.4% max		

Item #	Size	Pkg Type	Qty	List
F6086-500*AQ	500mL	n/a	1/ea	$79.06

Formic Acid 99% for Synthesis

CAS# 64-18-6
Formic Acid, 8 (3), UN1779, PG II

Test	Specification	Test	Specification
Appearance	May be solid, liquid, solidified/supercooled melt due to specific melting range.	Density	1.218 - 1.221
Assay	min 99.0%	Identification	To pass test

Item #	Size	Pkg Type	Qty	List
RABF0950-500A*RC	500mL	Natural poly	1/ea	$148.79

Gardner Color Standard #2

ASTM D 1544-58T
Not-Regulated

Test	Specification
Appearance	Clear yellow liquid

Item #	Size	Pkg Type	Qty	List
3912-500*AQ	500mL	n/a	1/ea	$350.26

Gardner Color Standard #4

ASTM D 1544-58T
Not-Regulated

Test	Specification
Appearance	Clear yellow liquid

Item #	Size	Pkg Type	Qty	List
3914-500*AQ	500mL	n/a	1/ea	$382.07

Gardner Color Standard #4

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS
Potassium Hexachloroplatinate (IV)	16921-30-5	Reagent

Test	Specification
Appearance	Yellow liquid
Gardner color (ASTM D 6166)	3.7 - 4.3

Specification	Reference
Gardner Color Std. No. 4	ASTM (D 1544-58 T)

Item #	Size	Pkg Type	Qty	List
3226.04-100*RC	100mL	Amb glass	1/ea	$212.86
3226.04-16*RC	500mL	Amb glass	1/ea	$753.63

Gardner Color Standard #4

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
L-Glutamic Acid	56-86-0	Reagent
Glucose	50-99-7	ACS

Test	Specification
Appearance	Colorless liquid
Biochemical Oxygen Demand (BOD)	167.5 - 228.5 mg/L

Specification	Reference
Glucose-Glutamic Acid Soln.	APHA (5210 B)

Item #	Size	Pkg Type	Qty	List
3255-16*RC	500mL	Amb glass	1/ea	$128.72
3255-32*RC	1L	Amb glass	1/ea	$163.20

Gentian Violet, Hucker Formulation for Gram Staining

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Ammonium Oxalate	6009-70-7	ACS
Gentian Violet	548-62-9	Certified

Test	Specification
Appearance	Dark blue-purple liquid
UV/Visible Spectrum	To pass test

Specification	Reference
Ammonium Oxalate-Crystal Violet (Hucker's)	EPA (SW-846) (9131), ASTM (D 5916)
Ammonium Oxalate-Crystal Violet Soln.	ASTM (D 932)

Item #	Size	Pkg Type	Qty	List
3240-32*RC	1L	Natural poly	1/ea	$154.60

Glucose-Glutamic Acid Solution

APHA 5210: 5 day BOD Analysis
Not-Regulated

Test	Specification
TOC Verification	122 +/- 10 ppm as TOC
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
3950-500*AQ	500mL	n/a	1/ea	$50.05

Glycerin (Glycerol)

ACS Reagent Grade
CAS# 56-81-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	Clear, viscous liquid	Water (H_2O)	0.5% max
Assay	99.5% min	Chlorinated Compounds (as Cl)	0.003% max
Color (APHA)	10 max	Sulfate (SO_4)	0.001% max
Neutrality	Passes test	Heavy Metals (as Pb)	2 ppm max
Residue after Ignition	0.005% max		

Item #	Size	Pkg Type	Qty	List
G7500-500*AQ	500mL	n/a	1/ea	$125.90
G7500-1*AQ	1L	n/a	1/ea	$210.65
G7500-4*AQ	4L	n/a	1/ea	$361.11

Gram's Iodine, Dilute Lugol's Iodine for Gram Staining

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Iodide	7681-11-0	ACS
Iodine	7553-56-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Dark brown liquid	
Assay (vs. Sodium Thiosulfate/Starch)	0.024 - 0.028 N @ 20°C	136

Specification	Reference
Lugol's Soln., Gram's Modification	EPA (SW-846) (9131), ASTM (D 5916)
Iodine Soln.	ASTM (D 932)

Item #	Size	Pkg Type	Qty	List
3450-32*RC	1L	Amb glass	1/ea	$111.51

Heptane

Laboratory Grade
CAS# 142-82-5
Heptanes, 3, UN1206, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Bromine Index as Br/100g	25 mg max
Aromatics Content	0.1% max	Color, Saybolt	30 min

Item #	Size	Pkg Type	Qty	List
H1905-20*AQ	20L	n/a	1/ea	$325.81

n-Heptane

FOXPURE® Pesticide Grade
CAS# 142-82-5
Heptanes, 3, UN1206, PG II

Test	Specification	Test	Specification
Assay (by GC-FID)		Fluorescence @ Emission	
(as n-Heptane)	min 99.0%	Max. for Impurities	
(Heptane Isomers & Methylcycloheaxane	min 99.5%	(as Quinine Sulfate)	max 1 ppb
Color (APHA)	max 10	Residue after Evap.	max 1 ppm
GC-ECD Responsive Residue (single peak)		Water (by KF Coulometry)	max 0.02%
(as Heptachlorepoxide)	max 10 ppt		

Ultraviolet Absorbance / Limits

197 nm	210 nm	225 nm	254 nm	280 nm
max 1.00	max 0.40	max 0.10	max 0.01	max 0.01

Item #	Size	Pkg Type	Qty	List
H307-4*FX	4L	n/a	1/ea	CALL
H307-4*FX	4L	n/a	4/cs	CALL

n-Heptane

High Purity Reagent Grade (n-Heptane >99%)
CAS# 142-82-5
Heptanes, 3, UN1206, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Titable Acid	0.0003 meq/g max
Assay (as n-Heptane)	99.0% min	Residue after Evap.	10 ppm max
Assay (as C7 Hydrocarbons)	99.5% min	Sulfur Compounds (as S)	0.005% max
Assay (Total Hydrocarbons)	99.9% min	Water	0.03% max
Sp. Gr. @ 15.56C	0.680 - 0.695		

Item #	Size	Pkg Type	Qty	List
H1903-1*AQ	1L	n/a	1/ea	$119.17
H1903-4*AQ	4L	n/a	1/ea	$393.31

Hexamethylenetetramine
ACS Reagent Grade
CAS# 100-97-0
Flammable Solid, Organic, n.o.s. (Hexamethylenetetramine), 4.1, UN1325, PG II

Test	Specification	Test	Specification
Appearance	White crystalline powder	Heavy Metals (as Pb)	0.001% max
Assay	99.0% min	Residue after Ignition	0.1% max
Loss on Drying	2.0% max		

Item #	Size	Pkg Type	Qty	List
H1941-500*AQ	500g	n/a	1/ea	$107.25

Hexamethylenetetramine
ACS Reagent Grade
CAS# 100-97-0
Flammable Solid, Organic, n.o.s. (Hexamethylenetetramine), 4.1, UN1325, PG II

Test	Specification	Test	Specification
Assay	>=|99.00|No Limit|0.00	Mol Wt.	140.19
Heavy metals (as Pb)	No Limit|0.00|<=|0.001	Residue after Ignition	No Limit|0.00|<=|0.10
Loss on Drying	No Limit|0.00|<=|2.00		

Item #	Size	Pkg Type	Qty	List
41702*GF	2.5kg	n/a	1/ea	$229.17

Hexanes
FOXPURE® ACS Reagent Grade
CAS# 92112-69-1
Hexanes, 3, UN1208, PG II

Test	Specification	Test	Specification
Assay (by GC-FID)		Thiophene	Passes test
(as C6 Hydrocarbons)	min 98.5%		
(as n-Hexane)	Report only%		
Color	max 10 APHA	Water (by KF Coulometry)	max 0.02%
Residue after Evap.	max 10 ppm	Water Soluble Titrable Acid	max 0.0003 meq/g
Sulfur Compounds (as Sulfur)	max 0.005%		

Item #	Size	Pkg Type	Qty	List
H745-55*FX	55gal.	Epoxy lined metal drum	1/ea	CALL

Hexanes (>60% n-Hexane)
ACS Reagent Grade
CAS# 110-54-3
Hexanes, 3, UN1208, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Sulfur Compounds (as S)	0.005% max
Assay (Total Hexan Isomers + Methylcyclopentane)	98.5% min	Thiophene	Passes test
Color (APHA)	10 max	Water Soluble Titrable Acid	0.0003 meq/g
Residue after Evap.	0.001% max		

Item #	Size	Pkg Type	Qty	List
H1950-4*AQ	4L	n/a	1/ea	$180.52

Hexanes (95% n-Hexane)
FOXPURE® ACS Reagent Grade
CAS# 110-54-3
Hexanes, 3, UN1208, PG II

Test	Specification	Test	Specification
Appearance	Clear	ACS Sulfur Compound	0.005% wt max
ACS Assay Gas Chromatography n	98.50 ≤ Value ≤ 100.00% wt.	ACS Thiophene	Pass
Color	0 ≤ Value ≤ 10 APHA	Water in Volatile Solvents	0.000 ≤ Value ≤ 0.100%
ACS Titrable	0.0003 meq/g max	ACS Density 25°C	0.674 ≤ Value ≤ 0.684
ACS Residue after Evap.	0.001% max	Refractive Index 25°C	1.37430 ≤ Value ≤ 1.38410

Item #	Size	Pkg Type	Qty	List
H750-9*FX	20L	Tin pail	1/ea	$532.09

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Hexavalent Chromium Standard, 100 ppm Cr^{6+}
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dichromate	7778-50-9	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Orange liquid	
Assay (vs. Sodium Thiosulfate/Starch)	99.5 - 100.5 ppm Cr	136

Specification	Reference
Cr (VI) Stock Soln., 100 mg/L Cr6+	APHA (3500-Cr C)

Item #	Size	Pkg Type	Qty	List
2095-4*RC	120mL	Natural poly	1/ea	$66.39

Hydrazine Sulfate
ACS Reagent Grade
CAS# 10034-93-2
Corrosive Solid, n.o.s. (Hydrazine Sulfate), 8, UN1759, PG II

Test	Specification	Test	Specification
Appearance	White crystalline	Chloride (Cl)	0.005% max
Assay	99.0% min	Heavy Metals (as Pb)	0.002% max
Insoluble Matter	0.005% max	Iron (Fe)	0.001% max
Residue after Ignition	0.05% max		

Item #	Size	Pkg Type	Qty	List
H2038-125*AQ	125g	n/a	1/ea	$163.55

Hydrochloric Acid
ACS Reagent Grade
CAS# 7647-01-0
Hydrochloric Acid, 8, UN1789, PG II

Test	Specification	Test	Specification
Appearance	Colorless fuming Liquid	Color (APHA)	10 max
Assay	36.5 - 38.0%	Residue after Ignition	5 ppm

Max. Specification

Br	0.005%	As	0.01 ppm	SO_4	1 ppm
Cl	1 ppm	Pb	1 ppm	SO_2	1 ppm
NH_4	3 ppm	Fe	0.2 ppm		

Item #	Size	Pkg Type	Qty	List
H2505-500*AQ	500g	n/a	1/ea	$61.4

Hydrochloric Acid
ACS Reagent Grade
CAS# 7647-01-0
Hydrochloric Acid, 8, UN1789, PG II

Test	Specification	Test	Specification
Assay	36.5 - 38.0% HCl	Residue after Ignition	max 5 ppm
Color (APHA)	max 10		

Max. Specification

Br	0.005%	NH_4	3 ppm	Pb	1 ppm	SO_4	1 ppm
Cl	1 ppm	As	0.01 ppm	Fe	0.2 ppm	SO_3	1 ppm

Item #	Size	Pkg Type	Qty	List
RABH0010-2.5D1*RC	2.5L	Glass	1/ea	$163.28

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Nitrile
Latex
Neoprene

Hydrochloric Acid

FOXPURE® Semiconductor
CAS# 7647-01-0
Hydrochloric Acid, 8, UN1789, PG II

Test	Specification	Test	Specification
Hydrochloric Acid	36 - 38%	Sulfate	<200 ppb
Phosphate	<50 ppb	Residue after Ignition	<500 ppb

Item / Specification

Al	< 100 ppb	Co	< 100 ppb	Mg	< 100 ppb	Ti	< 1000 ppb
Sb	< 100 ppb	Cu	< 100 ppb	Mn	< 100 ppb	V	< 100 ppb
As	< 100 ppb	Ga	< 100 ppb	Mo	< 100 ppb	Zn	<500 ppb
Ba	< 100 ppb	Ge	< 100 ppb	Ni	< 100 ppb		
B	< 500 ppb	Au	< 100 ppb	K	< 100 ppb		
Cd	< 100ppb	Fe	< 300 ppb	Ag	< 100 ppb		
Ca	< 200 ppb	Pb	< 100 ppb	Na	< 100 ppb		
Cr	< 100 ppb	Li	< 100 ppb	Sn	< 100 ppb		

Item #	Size	Pkg Type	Qty	List
H330-4*FX	3.8L	Poly bottle	1/ea	$502.61
H330-4*FX	3.8L	Poly bottle	4/cs	$1338.96

Hydrochloric Acid

FOXPURE® InstraPure
CAS# 7647-01-0
Hydrochloric Acid, 8, UN1789, PG II

Test	Specification	Test	Specification
Assay	34 - 37%	Color	10 max

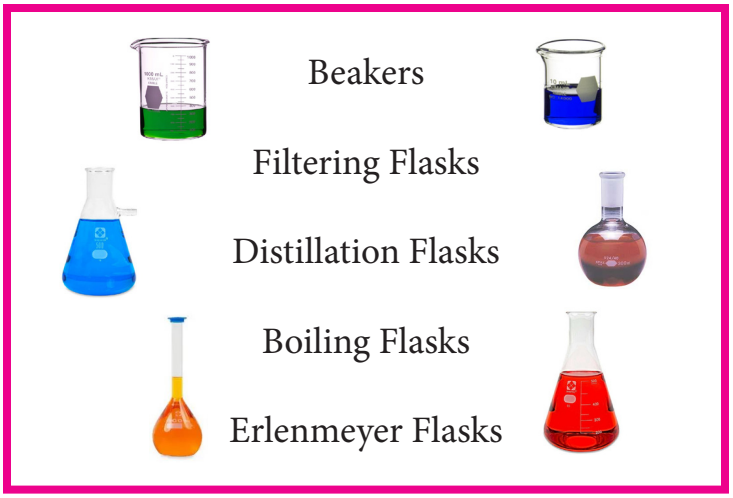
Analyte Trace Impurities (in µg/g, ppm)

Br^-	10	Cl_2	0.5	P	0.01	S	0.3

Analyte Trace Impurities (in ng/g, ppb)

Al	1	Eu	0.1	Nd	0.1	Sr	0.1
Sb	0.5	Gd	0.1	Ni	0.5	Ta	Info Only
As	0.5	Ga	0.1	Nb	0.1	Te	0.1
Ba	0.1	Au	0.5	Pd	Info Only	Tb	0.1
Be	0.1	Hf	0.1	Pt	Info Only	Tl	0.1
Bi	0.1	Ho	0.1	K	1	Th	0.1
B	1	In	0.1	Pr	0.1	Tm	0.1
Cd	0.1	Fe	1	Re	0.1	Sn	0.5
Ca	1	La	0.1	Rh	0.1	Ti	0.5
Ce	0.1	Pb	0.1	Rb	0.1	W	0.1
Cs	0.1	Li	0.1	Ru	0.1	U	0.1
Cr	0.5	Lu	0.1	Sm	0.1	V	0.5
Co	0.1	Mg	0.5	Sc	0.1	Yb	0.1
Cu	0.5	Mn	0.1	Se	1	Y	0.1
Dy	0.1	Hg	0.1	Ag	1	Zn	1
Er	0.1	Mo	0.1	Na	1	Zr	0.1

Item #	Size	Pkg Type	Qty	List
H301-3*FX	2.5L	Poly bottle	1/ea	$207.88
H301-3*FX	2.5L	Poly bottle	6/cs	$847.68
H301-4*FX	4L	n/a	1/ea	$236.81
H301-4*FX	4L	n/a	4/cs	$643.73



Hydrochloric Acid

FOXPURE® UltraPure
CAS# 7647-01-0
Hydrochloric Acid, 8, UN1789, PG II

Analyte Trace Impurities in ppt (pg/g)

Al	20	Gd	1	Nb	1	Tb	1
Sb	20	Ga	10	Pd	Info Only	Tl	10
As	50	Au	50	Pt	Info Only	Th	1
Ba	10	Hf	10	K	10	Tm	1
Be	10	Ho	1	Pr	1	Sn	20
Bi	10	In	1	Re	10	Ti	10
B	100	Fe	10	Rh	10	W	10
Cd	10	La	1	Rb	10	U	1
Ca	10	Pb	10	Ru	10	V	10
Ce	10	Li	10	Sm	1	Yb	1
Cs	10	Lu	10	Sc	10	Y	1
Cr	10	Mg	10	Se	Info Only	Zn	10
Co	10	Mn	10	Ag	10	Zr	10
Cu	10	Hg	50	Na	10		
Dy	1	Mo	10	Sr	10		
Er	1	Nd	1	Ta	Info Only		
Eu	1	Ni	20	Te	1		

Item #	Size	Pkg Type	Qty	List
H100-6*FX	2L	PTFE PFA bottle	1/ea	$2008.89

Hydrochloric Acid 10% v/v Solution

N.I.S.T. Traceable
Hydrochloric Acid, 8, UN1789, PG II

Test	Specification
Actual Assay	10.0 ± 0.1% v/v HCl
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4395-500*AQ	500mL	n/a	1/ea	$22.15
4395-4*AQ	4L	n/a	1/ea	$69.42

Hydrochloric Acid 10% (v/v)

Hydrochloric Acid, 8, UN1789, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	9.92 - 10.08% (v/v)	84

Specification	Reference
Hydrochloric Acid (1+9)	ASTM (D 287 M), ASTM (D 2036 D), ASTM (D 2187 E), ASTM (D 2187 F)
Hydrochloric Acid, 1+9	TAPPI (T 419 om-91), APHA (3500-Mg D), APHA (4500-CN- K)
Hydrochloric Acid (1+9)	ASTM (D 2187 G), ASTM (D 2187 H), ASTM (D 4548), ASTM (D 4994 A)
Hydrochloric Acid (1+9)	ASTM (D 2187 J), ASTM (D 2187 A), ASTM (D 2187 L), ASTM (D 2036 A1)
Hydrochloric Acid Soln. (1+9)	ASTM (D 2187 K)

Item #	Size	Pkg Type	Qty	List
3570-32*RC	1L	Natural poly	1/ea	$57.14

Hydrochloric Acid 15% v/v Solution

N.I.S.T. Traceable
Hydrochloric Acid, 8, UN1789, PG II

Test	Specification
Actual Assay	15.0 ± 0.1% v/v HCl
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4398-500*AQ	500mL	n/a	1/ea	$24.06

Hydrochloric Acid 20% v/v Solution

Hydrochloric Acid, 8, UN1789, PG II

Test	Specification
Actual Assay	20.0 ± 0.2% v/v HCl
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4400-4*AQ	4L	n/a	1/ea	$81.22

Hydrochloric Acid

Hydrochloric Acid 28% v/v Solution

Hydrochloric Acid, 8, UN1789, PG II

Test	Specification
Actual Assay	28.0 ± 0.3% v/v HCl
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4402-10*AQ	10L	n/a	1/ea	$188.14

Hydrochloric Acid 30% v/v Solution

Hydrochloric Acid, 8, UN1789, PG II

Test	Specification
Actual Assay	30.0 ± 0.3% v/v HCl
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4412-1*AQ	1L	n/a	1/ea	$61.98

Hydrochloric Acid 50% (v/v)

Hydrochloric Acid, 8, UN1789, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to slightly greenish-yellow liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	49.6 - 50.4% (v/v)	84

Specification	Reference
Hydrochloric Acid (1+1)	ASTM (D 3859 A), ASTM (D 3645 A), ASTM (D 3869 A), ASTM (D 3867 A)
Hydrochloric Acid (1+1)	ASTM (D 3869 B), ASTM (D 3867 B), ASTM (D 4453), ASTM (D 1068 D)
Hydrochloric Acid, 1+1	APHA (3030 F), APHA (4500-SO42- D), TAPPI (T 419 om-91)
Hydrochloric Acid, 1+1	APHA (4500-Si C), APHA (3500-Ca B), APHA (3500-Mg D), APHA (3113 B)
Hydrochloric Acid, 1+1	APHA (4500-P C), APHA (4500-SO42- C), APHA (4500-SiO2 C)
Hydrochloric Acid, 1+1	APHA (3500-Cu C), APHA (323 C), APHA (4500-SO32- C), EPA (375.3)
Hydrochloric Acid, 1+1	EPA (370.1), EPA (200.7), ASTM (D 1291), ASTM (D 1125), ASTM (D 4922)
Hydrochloric Acid (1+1)	ASTM (D 4638), ASTM (D 4994 A), ASTM (D 4190), ASTM (D 859)
Hydrochloric Acid, 1:1	TAPPI (T 618 cm-84), EPA (SW-846) (9070), EPA (SW-846) (6010B)
Hydrochloric Acid, 1:1	EPA (SW-846) (3010A), EPA (SW-846) (7000A), EPA (METALS)
Hydrochloric Acid Soln., 1+1	EPA (215.2), EPA (130.2), ASTM (D 3454)
Hydrochloric Acid 1:1 (for washing glassware)	EPA (365.2), EPA (365.1)
Hydrochloric Acid, Dilute (1+1)	ASTM (D 3712)

Item #	Size	Pkg Type	Qty	List
3580-32*RC	1L	Natural poly	1/ea	$94.28
3580-5PT*RC	2.5L	SC glass	1/ea	$146.24

Hydrochloric Acid 50% v/v / 6 N

N.I.S.T. Traceable
Hydrochloric Acid, 8, UN1789, PG II

Test	Specification
Actual Normality	6.0000 +/- 0.0500 N @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4420-10*AQ	10L	n/a	1/ea	$176.77

Hydrochloric Acid 0.005 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Normality	0.00500 +/- 0.00005 N @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4088-1*AQ	1L	n/a	1/ea	$28.65

Hydrochloric Acid 0.01 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Normality	0.0100 ± 0.0005 N @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4090-4*AQ	4L	n/a	1/ea	$63.70

Hydrochloric Acid 0.0100 N (N/100)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	0.00995 - 0.01005 N @ 20°C	84

Specification	Reference
Hydrochloric Acid, 0.010 N	TAPPI (T 237 om-93)
Hydrochloric Acid, 0.01 N	TAPPI (T 428 om-91), TAPPI (T 610 sp-97)
Hydrochloric Acid, 0.1 N	ASTM (D 4047)
Hydrochloric Acid (1+1199)	ASTM (D 4922)
Hydrochloric Acid, Dilute R1	EP (1043504)

Item #	Size	Pkg Type	Qty	List
3590-5*RC	20L	Cubitainer®	1/ea	$351.05

Hydrochloric Acid 0.0200 N (N/50)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	0.01995 - 0.02005 N @ 20°C	84

Specification	Reference
Hydrochloric Acid, Std. (0.02 N)	ASTM (D 1067 A), ASTM (D 1067 B), ASTM (D 1067 C)
Std. Hydrochloric Acid, 0.02 N	APHA (2320 B), EPA (310.1)
Hydrochloric Acid, 0.02 N	APHA (3500-Zn D)

Item #	Size	Pkg Type	Qty	List
3595-32*RC	1L	Natural poly	1/ea	$50.53

Hydrochloric Acid 0.0500 N (N/20)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.04995 - 0.05005 N @ 20°C	723

Specification	Reference
Hydrochloric Acid, 0.05 N	TAPPI (T 610 sp-97)

Item #	Size	Pkg Type	Qty	List
3597-32*RC	1L	Natural poly	1/ea	$48.67

Hydrochloric Acid 0.05 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Normality	0.0500 ± 0.0005 N @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4115-500*AQ	500mL	n/a	1/ea	$20.12

Hydrochloric Acid 0.1 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Normality	0.0995 - 0.1005@ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4130-500*AQ	500mL	n/a	1/ea	$17.61
4130-1*AQ	1L	n/a	1/ea	$28.65
4130-4*AQ	4L	n/a	1/ea	$65.83

Hydrochloric Acid 0.100 N (N/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.0999 - 0.1001 N @ 20°C	723

Specification	Reference
Hydrochloric Acid, 0.1 N	TAPPI (T 625 cm-85), TAPPI (T 504 cm-97), APHA (3500-Se C)
Hydrochloric Acid, 0.1 N	TAPPI (T 607 cm-84), TAPPI (T 418 cm-97), EPA (SW-846) (8315A)
Hydrochloric Acid, 0.1 N	TAPPI (T 254 cm-85), TAPPI (T 237 om-93), TAPPI (T 610 sp-97)
Std. Hydrochloric Acid, 0.1 N	APHA (2320 B), EPA (310.1)
Standardized 0.1 N HCl	TAPPI (T 611 cm-97), TAPPI (T 553 pm-92)
Hydrochloric Acid (0.1 M)	EPA (SW-846) (7472), EPA (SW-846) (7063)
Hydrochloric Acid Std. Soln. (0.10 N)	ASTM (D 2187 F), ASTM (D 2187 G), ASTM (D 2187 I), ASTM (D 2187 K)
Hydrochloric Acid, Std. (0.1 N)	ASTM (D 2187 H)
0.1 M Hydrochloric Acid Vs	EP (3002100)
Hydrochloric Acid, Tenth-N (0.1 N) Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
3600-32*RC	1L	Natural poly	1/ea	$49.85
3600-1*RC	4L	Natural poly	1/ea	$104.54
3600-5*RC	20L	Cubitainer®	1/ea	$278.99

Hydrochloric Acid 1.00 N

Hydrochloric Acid Solution, 8, UN1789, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.999 - 1.001 N @ 20°C	723

Specification	Reference
Hydrochloric Acid, 1 N	APHA (3500-Se E), TAPPI (T 610 sp-97), ASTM (D 4047)
Hydrochloric Acid Soln., 1 N	APHA (4500-NO3- B)
Hydrochloric Acid, 1N HCl	TAPPI (T 613 cm-83)
Hydrochloric Acid, Approximately 1 N	TAPPI (T 255 cm-97)
Hydrochloric Acid, 1 M	TAPPI (T 408 cm-97)
1 N Hydrochloric Acid	TAPPI (T 553 pm-92)
Hydrochloric Acid, Std. Soln. (1.0 N)	ASTM (D 2187 I)
Hydrochloric Acid, 1 N Vs	ACS (N/A)
1 M Hydrochloric Acid Vs	EP (3001800)
Hydrochloric Acid, N (1 N) Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
3700-16*RC	500mL	Natural poly	1/ea	$30.03
3700-32*RC	1L	Natural poly	1/ea	$50.05
3700-1*RC	4L	Natural poly	1/ea	$110.34
3700-5*RC	20L	Cubitainer®	1/ea	$282.41

Hydrochloric Acid 0.100 N (N/10) in Isopropyl Alcohol

Isopropanol Solution, 3, UN1219, PG II

Name	CAS#	Grade
Isopropyl Alcohol	67-63-0	ACS
Water	7732-18-5	ACS
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	0.0995 - 0.1005 N @ 20°C	84

Specification	Reference
Hydrochloric Acid Soln., Std. Alcoholic (0.1 mol/L)	ASTM (D 664)
Hydrochloric Acid Soln., Std. Alcoholic (0.1 M)	ASTM (D 974)

Item #	Size	Pkg Type	Qty	List
3800-16*RC	500mL	Natural poly	1/ea	$64.85
3800-32*RC	1L	Natural poly	1/ea	$134.76

Hydrochloric Acid 0.1 N in IPA

N.I.S.T. Traceable

Flammable Liquid, n.o.s. (Isopropanol), 3, UN1993, PG II

Test	Specification
Actual Normality	0.1000 +/- 0.0005 N @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4131-1*AQ	1L	n/a	1/ea	$71.44

Hydrochloric Acid 0.1782 N
1 mL = 5 mg CaO (Lime)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.1781 - 0.1783 N @ 20°C	723

Specification	Reference
Hydrochloric Acid, 0.1783 N, 1 mL = 5 mg CaO	TAPPI (T 617 cm-84)

Item #	Size	Pkg Type	Qty	List
3618-1*RC	4L	Natural poly	1/ea	$133.24
3618-5*RC	20L	Cubitainer®	1/ea	$304.10

Hydrochloric Acid 0.2 N

N.I.S.T. Traceable

Not-Regulated

Test	Specification
Actual Normality	0.2000 ± 0.0005 N
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4150-1*AQ	1L	n/a	1/ea	$28.65
4150-4*AQ	4L	n/a	1/ea	$63.70

Hydrochloric Acid 0.250 N (N/4)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.2499 - 0.2501 N @ 20°C	723

Item #	Size	Pkg Type	Qty	List
3625-32*RC	1L	Natural poly	1/ea	$50.67
3625-5*RC	20L	Cubitainer®	1/ea	$296.95

Hydrochloric Acid 0.500 N (N/2)

Hydrochloric Acid Solution, 8, UN1789, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.4998 - 0.5002 N @ 20°C	723

Specification	Reference
Aqueous Hydrochloric Acid Std. Soln. (0.5 M)	ASTM (D 94 B), ASTM (D 94 A)
Hydrochloric Acid, 0.5 N	TAPPI (T 625 cm-85), TAPPI (T 632 cm-84), TAPPI (T 635 om-93), TAPPI (T 610 sp-97)
Std. Hydrochloric Acid, 0.5 N	TAPPI (T 621 cm-71)
Hydrochloric Acid, Std. Soln. (0.5 N)	ASTM (D 128)
Hydrochloric Acid (1+23)	ASTM (D 4922)
Hydrochloric Acid, Half-N (0.5 N) Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
3650-32*RC	1L	Natural poly	1/ea	$49.95
3650-1*RC	4L	Natural poly	1/ea	$111.00
3650-5*RC	20L	Cubitainer®	1/ea	$274.65

Hydrochloric Acid

Hydrochloric Acid 0.5 N
N.I.S.T. Traceable
Hydrochloric Acid Solution, 8, UN1789, PG III

Test	Specification
Actual Normality	0.5000 +/- 0.0005 @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4190-1*AQ	1L	n/a	1/ea	$28.65
4190-4*AQ	4L	n/a	1/ea	$65.83
4190-10*AQ	10L	n/a	1/ea	$98.66
4190-20*AQ	20L	n/a	1/ea	$137.14
4190-500*AQ	500mL	n/a	1/ea	$17.61

Hydrochloric Acid 0.500 N (N/2) in Isopropyl Alcohol
Flammable Liquid, Corrosive, n.o.s. (Isopropanol, Hydrochloric Acid), 3 (8), UN2924, PG II

Name	CAS#	Grade
Isopropyl Alcohol	67-63-0	ACS
Water	7732-18-5	ACS
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	0.4995 - 0.5005 N @ 20°C	84

Item #	Size	Pkg Type	Qty	List
3805-16*RC	500mL	Natural poly	1/ea	$21.48

Hydrochloric Acid 0.5167 N
Hydrochloric Acid Solution, 8, UN1789, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.5162 - 0.5172 N @ 20°C	723

Item #	Size	Pkg Type	Qty	List
3651-1*RC	4L	Natural poly	1/ea	CALL

Hydrochloric Acid 0.5167 N
N.I.S.T. Traceable
Hydrochloric Acid Solution, 8, UN1789, PG III

Test	Specification
Actual Normality	0.5167 +/- 0.0005 N @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4200-4*AQ	4L	n/a	1/ea	$74.58

Hydrochloric Acid 1.00 N with 0.004% (v/v) Triton® X-100
Hydrochloric Acid Solution, 8, UN1789, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS
Triton® X-100	9002-93-1	Commercial

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.999 - 1.001 N @ 20°C	723

Item #	Size	Pkg Type	Qty	List
R3699500-20F*RC	20L	Cubitainer®	1/ea	CALL

Need a fill up?
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Hydrochloric Acid 1.0 N
N.I.S.T. Traceable
Hydrochloric Acid Solution, 8, UN1789, PG III

Test	Specification
Actual Normality	1.0000 +/- 0.0005 N @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4350-500*AQ	500mL	n/a	1/ea	$17.80
4350-1*AQ	1L	n/a	1/ea	$27.72
4350-4*AQ	4L	n/a	1/ea	$70.25
4350-20*AQ	20L	n/a	1/ea	$175.59

Hydrochloric Acid 2.00 N
Hydrochloric Acid Solution, 8, UN1789, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	1.999 - 2.001 N @ 20°C	84

Specification	Reference
Hydrochloric Acid, 2 M	APHA (3500-As B), EPA (SW-846) (7063), EPA (SW-846) (8520)
Hydrochloric Acid, 2 N	TAPPI (T 421 om-97), EPA (430.1), EPA (430.2), EPA (340.3)
2 M Hydrochloric Acid Vs	EP (3001700)

Item #	Size	Pkg Type	Qty	List
3710-32*RC	1L	Natural poly	1/ea	$63.65

Hydrochloric Acid 2.50 N
Hydrochloric Acid Solution, 8, UN1789, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to slightly greenish-yellow liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	2.499 - 2.501 N @ 20°C	84

Specification	Reference
Hydrochloric Acid, 2.5 N	APHA (4500-ClO2 E)

Item #	Size	Pkg Type	Qty	List
3715-32*RC	1L	Natural poly	1/ea	$51.62
3715-1*RC	4L	Natural poly	1/ea	$152.90

Hydrochloric Acid 2.5 N
N.I.S.T. Traceable
Hydrochloric Acid Solution, 8, UN1789, PG II

Test	Specification
Actual Normality	2.5000 +/- 0.0020 N @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4356-1*AQ	1L	n/a	1/ea	$48.26

Hydrochloric Acid 5.00 N
Hydrochloric Acid Solution, 8, UN1789, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to slightly greenish-yellow liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	4.995 - 5.005 N @ 20°C	84

Item #	Size	Pkg Type	Qty	List
3740-1*RC	4L	Natural poly	1/ea	$163.81

Hydrochloric Acid 6.00 N

Hydrochloric Acid Solution, 8, UN1789, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to slightly greenish-yellow liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	5.995 - 6.005 N @ 20°C	84

Specification	Reference
Hydrochloric Acid, 6 N	APHA (4500-S2- F), APHA (4500-S2- E), APHA (2530 C), APHA (4500-NO3- E), EPA (376.1), EPA (SW-846) (9030B)
Hydrochloric Acid, 6 M	TAPPI (T 244 om-93), TAPPI (T 266 om-94), TAPPI (T 247 cm-83)
Dilute Hydrochloric Acid, 6 N	EPA (353.3), EPA (353.2)
6 M Hydrochloric Acid Vs	EP (3001500)

Item #	Size	Pkg Type	Qty	List
3750-32*RC	1L	Natural poly	1/ea	$82.19
3750-1*RC	4L	Natural poly	1/ea	$200.35

Hydrochloric Acid 6.0 N

N.I.S.T. Traceable

Hydrochloric Acid Solution, 8, UN1789, PG II

Test	Specification
Actual Normality	6.000 +/- 0.050 N @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4370-500*AQ	500mL	n/a	1/ea	$35.04
4370-1*AQ	1L	n/a	1/ea	$57.03

Hydrochloric Acid 12.0 N

Hydrochloric Acid Solution, 8, UN1789, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to slightly greenish-yellow liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	11.8 - 12.2 N @ 20°C	84

Item #	Size	Pkg Type	Qty	List
3780-5PT*RC	2.5L	SC glass	1/ea	$380.84

Hydrochlorination Reagent

Isopropanol Solution, 3, UN1219, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS
Hydrochloric Acid	7647-01-0	ACS
Isopropyl Alcohol	67-63-0	ACS

Test	Specification
Appearance	Colorless liquid

Item #	Size	Pkg Type	Qty	List
R3815190-1A*RC	1L	Natural poly	1/ea	$285.91

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Hydrofluoric Acid

FOXPURE® InstraPure

CAS# 7664-39-3

Hydrofluoric Acid, 8, (6.1), UN1790, PG II

Test	Specification	Test	Specification
Assay	34 - 37%	Color	10 max

Analyte Trace Impurities (in µg/g, ppm)

Cl	4	P	0.05	S	0.1	SiF_6	20

Analyte Trace Impurities (in ng/g, ppb)

Al	1	Gd	0.1	Ni	0.5	Te	0.1
Sb	0.2	Ga	0.1	Nb	0.1	Tb	0.1
As	0.5	Ge	0.1	Pd	0.2	Tl	0.1
Ba	0.1	Au	0.2	Pt	0.2	Th	0.1
Be	0.1	Hf	0.1	K	1	Tm	0.1
Bi	0.1	Ho	0.1	Pr	0.1	Sn	0.5
B	1	In	0.1	Re	0.1	Ti	1
Cd	0.1	Fe	1	Rh	0.1	W	0.5
Ca	1	La	0.1	Rb	0.1	U	0.1
Ce	0.1	Pb	0.1	Ru	0.1	V	0.1
Cs	0.1	Li	0.1	Sm	0.1	Yb	0.1
Cr	1	Lu	0.1	Sc	0.1	Y	0.1
Co	0.1	Mg	1	Se	1	Zn	1
Cu	0.5	Mn	0.1	Ag	0.5	Zr	0.1
Dy	0.1	Hg	1	Na	1		
Er	0.1	Mo	0.1	Sr	0.1		
Eu	0.1	Nd	0.1	Ta	Info Only		

Item #	Size	Pkg Type	Qty	List
H305-2*FX	500mL	n/a	1/ea	$298.46
H305-4*FX	4L	n/a	1/ea	$1844.36
H305-4*FX	4L	n/a	4/cs	$5013.645

Hydrofluoric Acid

FOXPURE® UltraPure

CAS# 7664-39-3

Hydrofluoric Acid, 8, (6.1), UN1790, PG II

Test	Specification
Assay (HF w/w):	47 - 51%
Analyte Trace Impurities (in ng/g, ppb)	Total Sulfur (S) 100

Analyte Trace Impurities (in pg/g, ppt)

Al	20	Gd	1	Ni	20	Te	1
Sb	20	Ga	10	Nb	10	Tb	1
As	50	Ge	10	Pd	20	Tl	10
Ba	10	Au	20	Pt	20	Th	1
Be	10	Hf	10	K	10	Tm	1
Bi	10	Ho	1	Pr	1	Sn	20
B	100	In	1	Re	10	Ti	20
Cd	10	Fe	10	Rh	20	W	20
Ca	10	La	10	Rb	20	U	1
Ce	10	Pb	10	Ru	20	V	10
Cs	10	Li	10	Sm	1	Yb	1
Cr	10	Lu	1	Sc	10	Y	1
Co	10	Mg	10	Se	Info Only	Zn	10
Cu	10	Mn	10	Ag	10	Zr	10
Dy	1	Hg	50	Na	10		
Er	1	Mo	10	Sr	10		
Eu	1	Nd	1	Ta	Info Only		

Item #	Size	Pkg Type	Qty	List
H601-1*FX	250mL	n/a	1/ea	$1156.74
H601-2*FX	500mL	n/a	1/ea	$863.97

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Hydrofluoric Acid 2% (v/v)

Hydrofluoric Acid Solution, 8 (6.1), UN1790, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrofluoric Acid	7664-39-3	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	1.93 - 2.07% (v/v)	84

Item #	Size	Pkg Type	Qty	List
3819.2-32*RC	1L	Natural poly	1/ea	$332.58

Hydrofluoric Acid 49%

FOXSEMI Semiconductor
CAS# 7664-39-3
Hydrofluoric Acid, 8, (6.1), UN1790, PG II

Test	Specification	Test	Specification
Assay	48.85 - 49.20%	Appearance	Clear, colorless liquid
Color (APHA)	6 max	Particles (>1.0 microns for bottles material)	25 particles/mL max

Test / Specification

Cl	1,000.0 ppb max	Cr	10.0 ppb max	K	10.0 ppb max
NO_3	1,000.0 ppb max	Co	10.0 ppb max	Ag	5.0 ppb max
PO_4	400.0 ppb max	Cu	10.0 ppb max	Na	10.0 ppb max
SO_4	500.0 ppb max	Ga	10.0 ppb max	Sr	10.0 ppb max
Al	10.0 ppb max	Ge	10.0 ppb max	Ta	10.0 ppb max
Sb	Record Actual	Au	5.0 ppb max	Tl	10.0 ppb max
As	Record Actual	Fe	10.0 ppb max	Sn	10.0 ppb max
As & Sb	10.0 ppb max	Pb	10.0 ppb max	Ti	10.0 ppb max
Ba	5.0 ppb max	Li	5.0 ppb max	V	10.0 ppb max
Be	5.0 ppb max	Mg	10.0 ppb max	Zn	10.0 ppb max
Bi	5.0 ppb max	Mn	10.0 ppb max	Zr	10.0 ppb max
B	10.0 ppb max	Mo	10.0 ppb max	H_2SiF_6	50.0 ppm max
Cd	10.0 ppb max	Ni	10.0 ppb max		
Ca	10.0 ppb max	Nb	Record Actual		

Item #	Size	Pkg Type	Qty	List
H500-4*FX	3.8L	Poly	1/ea	$566.58
H500-4*FX	3.8L	Poly	4/cs	$1509.36

Hydrogen Peroxide

FOXPURE® UltraPure
CAS# 7722-84-1
Hydrogen Peroxide, Aqueous Solutions, 20% - 60%, 5.1 (8), UN2014, PG II

Test	Specification
Assay (H2O2 w/w):	30 - 32% max

Analyte Max Trace Impurities in ppt (pg/g)

Al	50	Eu	1	Mo	10	Sr	10
Sb	10	Gd	1	Nd	1	Ta	10
As	100	Ga	10	Ni	20	Te	1
Ba	10	Ge	10	Nb	10	Tb	1
Be	10	Au	10	Pd	10	Tl	1
Bi	10	Hf	1	K	20	Th	1
B	100	Ho	1	Pr	1	Tm	1
Cd	10	In	1	Re	10	Sn	50
Ca	100	Fe	20	Rh	10	Ti	20
Ce	1	La	1	Rb	10	W	20
Cs	1	Pb	10	Ru	10	U	1
Cr	10	Li	10	Sm	1	V	10
Co	10	Lu	1	Sc	10	Yb	1
Cu	10	Mg	20	Se	100	Y	1
Dy	1	Mn	10	Ag	10	Zn	50
Er	1	Hg	50	Na	50	Zr	10

Item #	Size	Pkg Type	Qty	List
H101-2*FX	500mL	PTFE FEP bottle	1/ea	$684.14

Fox offers a wide range of glass vials

Hydrogen Peroxide 3% (w/w), Stabilized

Reagent Grade
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrogen Peroxide	7722-84-1	ACS
Acetanilide	103-84-4	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Permanganate)	3.2 - 3.4% (w/w)	8040

Specification	Reference
Dilute Hydrogen Peroxide Soln.	APHA (7500-Ra C)
Hydrogen Peroxide (1+9)	ASTM (D 3454)

Item #	Size	Pkg Type	Qty	List
3819-16*RC	500mL	Amb poly	1/ea	$65.91
3819-1*RC	4L	Black poly	1/ea	$240.39

Hydrogen Peroxide Solution 3% w/w

Laboratory Grade
Not-Regulated

Test	Specification	Test	Specification
Actual Assay	3.00 - 3.50% w/w H_2O_2	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
H3076-500*AQ	500mL	n/a	1/ea	$21.68
H3076-4*AQ	4L	n/a	1/ea	$74.03

Hydrogen Peroxide Solution 5% w/w

Laboratory Grade
Not-Regulated

Test	Specification	Test	Specification
Actual Wt%	4.80 - 5.40 Wt% H_2O_2	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
H3079-1*AQ	1L	n/a	1/ea	$29.72

Hydrogen Peroxide Solution 10% w/w

Laboratory Grade
CAS# 7722-84-1
Hydrogen Peroxide, Aqueous Solutions, 8-20%, 5.1, UN2984, PG III

Test	Specification	Test	Specification
Actual Assay	9.80 - 10.50% H_2O_2	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
H3085-4*AQ	4L	n/a	1/ea	$97.97
H3085-20*AQ	20L	n/a	1/ea	$205.39

Hydrogen Peroxide 30% (w/w)

ACS Reagent Grade
CAS# 7722-84-1
Hydrogen Peroxide, Aqueous Solutions, 5.1 (8), UN2014, PG II

Test	Specification	Test	Specification
Ammonium (NH_4)	max 5 ppm	Nitrate (NO_3)	max 2 ppm
Assay	29.0 - 32.0% H_2O_2	Phosphate (PO_4)	max 2 ppm
Chloride (Cl)	max 2 ppm	Residue after Evap. (Non-volatile Matter)	max 0.002%
Color (APHA)	max 10	Sulfate (SO_4)	max 5 ppm
Heavy Metals (as Pb)	max 1 ppm	Titrable Acid	max 0.0006 meq/g
Iron (Fe)	max 0.5 ppm		

Item #	Size	Pkg Type	Qty	List
3821.7-32*RC	1L	Vented poly	1/ea	$346.71

Standard
Shell
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Large Opening
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Along with multiple options for closures, septas & inserts.

Hydrogen Peroxide Solution 31% w/w, Stabilized

ACS Reagent Grade
CAS# 7722-84-1
Hydrogen Peroxide, Aqueous Solutions, 20 - 40%, 5.1, UN2014, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Assay	29.0 - 32.0%
Residue after Evap.	0.002%	Color APHA	10 max
Titrable Acid	0.0006 meq/g		

Specification / Max.

Cl	3 ppm	PO_4	2 ppm	NH_4	5 ppm	Fe	0.5 ppm
NO_3	2 ppm	SO_4	5 ppm	Pb	1 ppm		

Item #	Size	Pkg Type	Qty	List
H3000-500*AQ	500mL	n/a	1/ea	$120.19
H3000-4*AQ	4L	n/a	1/ea	$338.55

Hydroxylamine Hydrochloride Solution 30% w/v

ASTM E-200
Corrosive Liquid, n.o.s. (Hydroxylamine Hydrochloride), 8, UN1760, PG III

Test	Specification	Test	Specification
Actual Assay	300.0 +- 0.5 gpL	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4460-1*AQ	1L	n/a	1/ea	$223.88

Hydroxylamine Hydrochloride Solution

ACS Reagent Grade
N.I.S.T. Traceable
CAS# 5470-11-1
Corrosive Solid, n.o.s. (Hydroxylamine Hydrochloride), 8, UN1759, PG III

Test	Specification	Test	Specification
Assay	96.0% min	Appearance	White crystals
Residue after Ignition	0.05% max	Heavy Metals	0.0005% max
Titrable Free Acid	0.25 meq/g max	Iron	0.0005% max
Sulfur Compounds (as SO_4)	0.005% max		

Item #	Size	Pkg Type	Qty	List
H3699-125*AQ	125g	n/a	1/ea	$72.19
H3699-500*AQ	500g	n/a	1/ea	$195.59

Hydroxy Naphthol Blue (Deposited on Sodium Chloride Crystals)

ACS Reagent Grade
CAS# 165660-27-5
Not-Regulated

Test	Specification
Suitability for Use	Reddish pink (in presence of Ca) - Deep blue (in presence of EDTA)

Item #	Size	Pkg Type	Qty	List
3930-100*RC	100g	Poly	1/ea	$342.71

Indigo Carmine Biological Stain

CI 73015
CAS# 860-22-0
Not-Regulated

Test	Specification	Test	Specification
Appearance	Dark blue to purple powder	Sulfur	13.0 -14.0%
Dyed Content (Dried Basis)	80% min	Mercury	1.00 mg/kg max
Loss on Drying	5.0% max	Cadmium	1.00 mg/kg max
Arsenic	8 ppm max	Heavy Metals (as Pb)	40.00 mg/kg max
Lead	0.001% max	Visual Transition Interval	pH 11.5 (Blue) to 14.0 (Yellow)

Item #	Size	Pkg Type	Qty	List
I1003-100*AQ	100g	n/a	1/ea	$156.51

Don't forget your Vial Racks

Indigo Stock Solution

APHA for Ozone
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Phosphoric Acid	7664-38-2	ACS
Potassium Indigotrisulfonate	67627-18-3	Purified

Test	Specification	N.I.S.T. SRM#
Absorbance @ 600 nm (1:100 Dilution in Water)	0.190 - 0.210 AU/cm	930
Appearance	Blue-violet liquid	

Specification	Reference
Malonic Acid Reagent	APHA (4500-O3 B)

Item #	Size	Pkg Type	Qty	List
3947-16*RC	500mL	Amb poly	1/ea	$99.17

Iodine

ACS Reagent Grade, Crystal
CAS# 7553-56-2
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Dark purple to black crystalline	Assay	99.8% min
Non-volatile matter	0.01% max	Chlorine & Bromine (as Cl)	0.005% max

Item #	Size	Pkg Type	Qty	List
I3100-125*AQ	125g	n/a	1/ea	$126.37

Iodine (Iodine-Iodide) 0.0100 N (N/100)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Iodide	7681-11-0	ACS
Iodine	7553-56-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Dark brown liquid	
Assay (vs. Sodium Thiosulfate/Starch)	0.00998 - 0.01002 N @ 20°C	136

Item #	Size	Pkg Type	Qty	List
3971-32*RC	1L	Amb glass	1/ea	$79.99

Iodine Solution 0.01 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Normality	0.0100 +/- 0.0005 N @ 20°C
Appearance & Color	Dark brown liquid

Item #	Size	Pkg Type	Qty	List
4655-4*AQ	4L	n/a	1/ea	$107.83

Iodine 0.025 N (N/40)

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Normality	0.0250 +/- 0.0005 N @ 20°C
Appearance & Color	Dark brown liquid

Item #	Size	Pkg Type	Qty	List
4650-500*AQ	500mL	n/a	1/ea	$28.65

Iodine 0.1 N (N/10)

N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Normality	0.1000 +/- 0.0005 N @ 20°C
Appearance & Color	Dark brown liquid

Item #	Size	Pkg Type	Qty	List
4750-1*AQ	1L	n/a	1/ea	$60.78
4750-4*AQ	4L	n/a	1/ea	$207.41
4750-4C*AQ	4L	n/a	1/ea	$207.41

Iodine 0.2 N

*DEA Regulated
N.I.S.T. Traceable
Not-Regulated

Test	Specification
Actual Normality	0.2000 ± 0.0005 N @ 20°C
Appearance & Color	Dark brown liquid

Item #	Size	Pkg Type	Qty	List
4770-4*AQ	4L	n/a	1/ea	$350.41

Iodine (Iodine-Iodide) 0.100 N (N/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Iodine	7553-56-2	ACS
Potassium Iodide	7681-11-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Dark brown liquid	
Assay (vs. Sodium Thiosulfate/Starch)	0.0998 - 0.1002 N @ 20°C	136

Specification	Reference
Std. Iodine, 0.1 N	APHA (4500-Cl B)
Std. Iodine Soln., 0.1 N	APHA (4500-Cl C), EPA (330.2), EPA (330.3)
Iodine Soln.	APHA (3500-Pb B)
Iodine, 0.1 N	TAPPI (T 622 cm-84)
Iodine, 0.1 N Vs	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
4000-16*RC	500mL	Amb glass	1/ea	$64.67
4000-32*RC	1L	Amb glass	1/ea	$87.53
4000-1*RC	4L	Amb glass	1/ea	$354.75

Iodine Monochloride Solution, Wijs for Iodine Absorption Number of Fats & Oils

Corrosive Liquid, Flammable, n.o.s. (Acetic Acid, Iodine Monochloride), 8 (3), UN2920, PG II

Name	CAS#	Grade
Acetic Acid	64-19-7	ACS
Iodine Monochloride	7790-99-0	ACS
Iodine	7553-56-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Dark brown liquid	
Iodine/Chlorine Ratio	1.05 - 1.15	
Total Halogen Content (vs. Sodium Thiosulfate/Starch)	0.189 - 0.193 N @ 20°C	136

Specification	Reference
Wijs Iodine Soln.	AOAC (920.159)
Iodochloride TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
4110-16*RC	500mL	Amb glass	1/ea	$129.47

Ionic Strength Adjustor, pH Indicating & Adjusting for use with Ammonia Selective Electrode

Sodium Hydroxide Solution, 8, UN1824, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent
Methyl Alcohol	67-56-1	ACS
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS
Thymolphthalein	125-20-2	ACS

Test	Specification
Ammonia (NH_3)	To pass test
Appearance	Dark blue liquid

Item #	Size	Pkg Type	Qty	List
4128-16*RC	500mL	Natural poly	1/ea	$76.52
4128-32*RC	1L	Natural poly	1/ea	$128.08

Iron Standard 1,000 mg/L (ppm)

N.I.S.T. Traceable
Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
4850-100*AQ	100mL	n/a	1/ea	$47.65

Iron AA Standard 1,000 ppm Fe in 3% HCl

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	Trace Metals
Iron	7439-89-6	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to slightly yellow liquid	
Iron (Fe)	995 - 1005 ppm	3126

Specification	Reference
Iron AA Std., 1 mL = 1 mg Fe (1,000 ppm Fe) Fe in 3% HCl	EPA (236.1)

Item #	Size	Pkg Type	Qty	List
AFE1KH-500*RC	500mL	Natural poly	1/ea	$103.15

Isopropyl Alcohol (2-propanol)

ACS Reagent Grade
CAS# 67-63-0
Isopropanol, 3, UN1219, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Color, APHA	10
Assay	≥ 99.5%	Titratable Acid or Base	0,0001 meq/g
Solubility in Water	Passes test	Water	0.2%
Evap. Residue	0.001%	Carbonyl Compounds	0.002% propionaldehyde 0.002% acetone

Item #	Size	Pkg Type	Qty	List
I7600-500*AQ	500mL	n/a	1/ea	$41.23
I7600-4*AQ	4L	n/a	1/ea	$198.60

Isopropyl Alcohol (2-propanol)

HPLC Grade
CAS# 67-63-0
Isopropanol, 3, UN1219, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Color, APHA	<= 10
Assay	>= 99.9%	Propionaldehyde	<= 0.002%
Acetone	<= 0.002%	Titratable Acid or Base	<= 0,0001 mEq/g
Evap. Residue	<= 2 ppm	Water	<= 0.10%

Item #	Size	Pkg Type	Qty	List
I7604-4*AQ	4L	n/a	1/ea	$245.36

Isopropyl Alcohol (2-propanol)

Laboratory Grade
CAS# 67-63-0
Isopropanol, 3, UN1219, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Non-volatile Matter	<= 0.0010 g
Acidity (Acetic Acid)	<=0.001 wt%	Purity	>= 99.9 wt%
Acidity (0.02N NaOH)	>= 0.70 ml	Water Content	<= 0.100 wt%
Color, Pt-Co	<= 5	Water Miscibility	Clear & Miscible

Item #	Size	Pkg Type	Qty	List
I7612-1*AQ	1L	n/a	1/ea	$49.97

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Isopropanol

ACS Reagent Grade
CAS# 67-63-0
Isopropanol, 3, UN1219, PG II

Test	Specification	Test	Specification
Assay	min 99.5%	Color (APHA)	max 10
Carbonyl Compounds: Acetone	max 0.002%	Solubility in Water	To pass test
Carbonyl Compounds: Propionaldehyde	max 0.002%	Titrable Acid or Base	max 0.0001 meq/g
Residue after Evap. (Non-volatile Matter)	max 0.001%	Water (H_2O)	max 0.2%

Item #	Size	Pkg Type	Qty	List
RSOI0020-4C*RC	4L	Amb glass	1/ea	$195.96

Isopropyl Alcohol, 70% (v/v)

Isopropanol Solution, 3, UN1219, PG II

Name	CAS#	Grade
Isopropyl Alcohol	67-63-0	ACS/USP
Water	7732-18-5	ACS/ASTM/USP/EP

Test	Specification
Appearance	Colorless liquid
Assay (by Sp. Gr.)	68 - 72% (v/v)
Sp. Gr. @ 20°C	0.874 - 0.882

Item #	Size	Pkg Type	Qty	List
4210-1*RC	4L	Natural poly	1/ea	$150.82
4210-5*RC	20L	Cubitainer®	1/ea	$565.76

Isopropyl Alcohol 70%

FOXPURE®
CAS# 67-63-0
Isopropanol, 3, UN1219, PG II

Test	Specification	Test	Specification
Appearance	Clear, colorless liquid	Assay (C3H8O) (V/V)	68.0 - 72.0%
Sp. Gr. (20°C)	0.872 - 0.883	Non-volatile Residue	max 0.01%
Acidity	To pass test		

Item #	Size	Pkg Type	Qty	List
I615-4*FX	4L	n/a	1/ea	$104.29
I615-4*FX	4L	n/a	4/cs	$328.92

Isopropanol Alcohol 99%

FOXPURE® ACS
CAS# 67-63-0
Isopropanol, 3, UN1219, PG II

Test	Specification	Test	Specification
Appearance	Clear	Water in Volatile Solvents	0 ≤ Value ≤ .2%
ACS Assay GC	99.5 ≤ Value ≤100% wt.	ACS Titrable Base	0.001 meq/g max
ACS Solubility in Water	Pass	ACS Titrable Acid	0.001 meq/g max
ACS Carbonyl Compounds	Pass	Color	0 ≤ Value ≤ 10 APHA
ACS Propionaldehyde	0.002% max	ACS Density 25°C	.763 ≤ Value ≤ .792
ACS Acetone	0.002% max	ACS Boiling Range (c)	1.0C (inc. 82.3C ± 0.1C)
ACS Residue after Evap.	0.001% max	Refractive Index 20°C	1.3755 ≤ Value ≤ 1.3784
ACS UV Spectrophotometry	Pass		

Test	Limits	Test	Limits
210nm	0 ≤ Value ≤ 1 AU	260nm	-.03 ≤ Value ≤ .04 AU
220nm	0 ≤ Value ≤ .4 AU	275nm	-.035 ≤ Value ≤ .03 AU
230nm	0 ≤ Value ≤ .2 AU	300nm	-.035 ≤ Value ≤ .02 AU
245nm	0 ≤ Value ≤ .08 AU	400nm	-.035 ≤ Value ≤ .01 AU

Item #	Size	Pkg Type	Qty	List
I650-9*FX	20L	n/a	1/ea	$500.55

Karl Fischer Watermark

Item #	Description	Packaging	List Price
	One Component Titrant		
99607*GF	5 mg/mL 1-COMPONENT, WATERMARK KF TITRANT, PYRIDINE-FREE	6 x 1L	$914.03
99624*GF	2 mg/mL 1-COMPONENT, WATERMARK KF TITRANT, PYRIDINE-FREE	6 x 1L	$899.86
99904*GF	5 mg/mL 1-COMPONENT, WATERMARK KF TITRANT, PYRIDINE-BASED, STABILIZED	6 x 1L	$1178.92
	Two Component Titrant		
99823*GF	5 mg/mL 2-COMPONENT TITRANT, IN METHANOL, WATERMARK KF REAGENT, PYRIDINE-FREE	6 x 1L	$722.30
	One Component Solvent		
25992*GF	METHANOL PRIME, WATERMARK KF SOLVENT, FOR FASTER TITRATIONS. 1 COMPONENT	4L	$274.96
50364*GF	3569 METHYL ALCOHOL, ANHYDROUS, WATERMARK KF REAGENT	4 x 4L	$478.42
28744*GF	2978 SOLVENT FOR OILS, ONE-COMPONENT, WATERMARK KF REAGENT	4L	$363.44
15173*GF	5322 ALDEHYDES & KETONES SOLVENT, 1-COMPONENT, WATERMARK KF REAGENT	6 x 1L	$817.09
	Suitable for Both 1 & 2 Component Titrants		
99725*GF	1609 METHANOL-FREE, WATERMARK KF SOLVENT, 1 & 2 COMPONENT. SUITABLE FOR ALDEHYDES & KETONES	6 x 1L	$860.13
99746*GF	1610 GENERAL PURPOSE, WATERMARK KF SOLVENT, 1 & 2 COMPONENT SUITABLE	6 x 1L	$607.82
	Two Component Solvent Only		
28774*GF	2991 SOLVENT FOR OILS, TWO-COMPONENT, WATERMARK KF REAGENT	4L	$436.53
	Buffering Products		
99801*GF	1615 BUFFER Soln., WATERMARK KF REAGENT	1L	$145.63
44951*GF	IMIDAZOLE, ACS REAGENT	100g	$54.13

Karl Fischer Watermark

	COULOMETRIC - ANOLYTE		
	For generators with or without diaphragm		
99853*GF	1671 VESSEL Soln., DIAPHRAGMLESS, CHLOROFORM-FREE, WATERMARK COULOMETRIC KF REAGENT	6 x 1L	$1361.92
99773*GF	1612 ANOLYTE VESSEL Soln., PYRIDINE-FREE, WATERMARK COULOMETRIC KF REAGENT WORKS W/WO DIAPHRAGM. CONTAINS CHLOROFORM	6 x 1L	$1443.11
	For generators with diaphragm		
99836*GF	1619 ANOLYTE VESSEL Soln., FOR KETONES & ALDEHYDES, WATERMARK COULOMETRIC KF REAGENT	6 x 500mL	$1210.25
99682*GF	1607 ANOLYTE VESSEL Soln., BIODIESEL, NON-POLAR & OIL, WATERMARK COULOMETRIC KF REAGENT, CHLOROCARBON FREE,	6 x 1l	$1587.30
12165*GF	5202 ANOLYTE VESSEL Soln., FOR OILS, WATERMARK COULOMETRIC KF REAGENT	6 x 1L	$1587.13
19021*GF	REAGENT KIT FOR OILS, WATERMARK COULOMETRIC KF REAGENT. 8 x 100mL of 5202 & 8 x 5 mL 2321 in sealed ampoules	8 x 100mL + 8 x 5mL	$620.11
19182*GF	1889 VESSEL Soln. FOR OVEN APPLICATIONS, WATERMARK COULOMETRIC KF REAGENT	6 x 500mL	$886.46
	COULOMETRIC - CATHOLYTE		
99713*GF	2321 GENERATOR Soln., UNIVERSAL, WATERMARK COULOMETRIC KF REAGENT	10 x 5mL	$127.21
99782*GF	1613 GENERATOR Soln., PYRIDINE-FREE, WATERMARK COULOMETRIC KF REAGENT	10 x 5mL	$127.21
	WATER STANDARDS		
99881*GF	10.0 mg/g, WATERMARK KF WATER Std.	10 x 5mL	$147.82
99862*GF	1.0 mg/g, WATERMARK KF WATER Std.	10 x 5mL	$147.82
99842*GF	0.10 mg/g, WATERMARK KF WATER Std.	10 x 5mL	$147.82
98981*GF	0.05 mg/g, WATERMARK KF WATER Std., 50 ppm	10 x 5mL	$147.82
	DESICCANTS		
64592*GF	SILICA GEL, w/30% INDICATING BEADS, 3-10 MESH	500g	$144.67
88851*GF	MOLECULAR SIEVES, 3Å, 4-8 MESH BEADS	500g	$92.88

Kerosene - Deodorized

CAS# 8008-20-6
Kerosene, 3, UN1223, PG III

Test	Method / Specification	Test	Method / Specification
Appearance	Clear liquid	Color, Saybolt	D158 / 28 min
Viscosity @ 40°C	D445	Aromatic Content (wt%)	D5186 / 1.0 max
API Gravity @ 60°F	D4052 / 43.0 min / 51.0 max	Water Content, KF ppm	D6304 / 500 max
Flash Point, PMCC (°C)	D93 / 77 min	Distillation, IBP	D86 / 422 min
Flash Point, PMCC (°F)	D93 / 170 min	Sp. Gr. @ 60/60°F	D1250

Item #	Size	Pkg Type	Qty	List
K4601-4*AQ	4L	n/a	1/ea	$171.77

Kerosene - Odorless

CAS# 8008-20-6
Kerosene, 3, UN1223, PG III

Test	Specification
Appearance	Colorless to pale yellow liquid

Item #	Size	Pkg Type	Qty	List
RSOK0100-4C*RC	4L	Amb glass	1/ea	$180.96

Kovac's Aldehyde Reagent for Detection of Indole Producing Bacteria

Corrosive Liquids, Flammable, n.o.s. (Hydrochloric Acid, Butanol), 8 (3), UN2920, PG II

Name	CAS#	Grade
1-Butanol	71-36-3	ACS
Water	7732-18-5	ACS
Hydrochloric Acid	7647-01-0	ACS
p-Dimethylaminobenzaldehyde	100-10-7	ACS

Test	Specification
Appearance	Yellow-green liquid

Item #	Size	Pkg Type	Qty	List
4260-4*RC	120mL	Amb glass	1/ea	$68.29

L-Glutamic Acid 99%

Reagent Grade
CAS# 56-86-0
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	White powder	Chloride Content	< 200 ppm
Assay of Material	98.5 to 100.5% on dried substance	Iron	< 30 ppm
Loss on Drying	< 0.5% (105°C, 3 HRS)	Sulfates (SO4)	280.00 - 320.00 ppm
Infrared	Authentic	Ammonium (NH4)	< 200 ppm
Heavy Metals (as Pb)	< 10 ppm	Standardized Against Primary Std	< 1 ppm
Sulfated Ash	< 0.1%		

Item #	Size	Pkg Type	Qty	List
G6901-25*AQ	25g	n/a	1/ea	$60.64
G6901-100*AQ	100g	n/a	1/ea	$75.81

Lead AA Standard 1,000 ppm Pb in 3% HNO_3

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Lead	7439-92-1	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. EDTA/Xylenol Orange)	995 - 1005 ppm Pb	915

Specification	Reference
Lead AA Std., 1 mL = 1 mg Pb (1,000 ppm Pb)	EPA (239.1)

Item #	Size	Pkg Type	Qty	List
APB1KN-100*RC	100mL	Natural LDPE	1/ea	$56.30
APB1KN-500*RC	500mL	Natural poly	1/ea	$131.68

Need PPE?
We have you covered!

Lead Acetate Trihydrate

FOXPURE® ACS
CAS# 6080-56-4
Lead Acetate, 6.1, UN1616, PG III

Test	Specification	Test	Specification
Assay ($(CH_3COO)_2Pb•3H_2O$)	99.0 - 103 .0%	Copper (Cu)	max 0.002%
Insoluble Matter	max 0.01%	Iron (Fe)	max 0.001%
Chloride (Cl)	max 5 ppm	Potassium (K)	max 0.005%
Nitrate & Nitrite (as NO_3)	max 0.005%	Sodium (Na)	max 0.01%
Calcium (Ca)	max 0.005%		

Item #	Size	Pkg Type	Qty	List
L425-10*FX	10kg	n/a	1/ea	$1657.41
L425-12*FX	12kg	n/a	1/ea	CALL
L425-50*FX	50kg	n/a	1/ea	CALL

Lead Acetate

ACS Reagent Grade, Crystal
CAS# 6080-56-4
Lead Acetate, 6.1, UN1616, PG III

Test	Specification	Test	Specification
Appearance	White solid	Calcium (Ca)	0.005% max
Assay	99.0 - 103.0%	Copper (Cu)	0.002% max
Insoluble Matter	0.01% max	Iron (Fe)	0.001% max
Chloride (Cl)	5 ppm max	Potassium (K)	0.005% max
Nitrate & Nitrite (NO_3)	0.005% max	Sodium (Na)	0.01% max

Item #	Size	Pkg Type	Qty	List
L3181-500*AQ	500g	n/a	1/ea	$108.31

Light's Solution Oxidation-Reduction Potential (ORP) Standard

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Sulphuric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS
Ferric Ammonium Sulfate Dodecahydrate	7783-83-7	ACS
Ferrous Ammonium Sulfate Hexahydrate	7783-85-9	ACS

Test	Specification
Appearance	Light yellow liquid
Oxidation-Reduction Potential (ORP)	465 - 485 mV @ 25°C

Specification	Reference
Light's Soln.	APHA (2580 B)
Redox Std. Soln., Ferrous-Ferric Reference Soln.	ASTM (D 1498)

Item #	Size	Pkg Type	Qty	List
4330-16*RC	500mL	Natural poly	1/ea	$131.37

Linear Alkylbenzene Sulfonate Standard 1,000 ppm LAS

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS
Isopropyl Alcohol	67-63-0	Commercial
Sodium Hydroxide	1310-73-2	Reagent
Dodecylbenzenesulfonic Acid	27176-87-0	Commercial

Test	Specification
Appearance	Colorless liquid
Linear Alkylbenzene Sulfonate (LAS)	995 - 1005 ppm

Specification	Reference
Stock LAS Soln.	APHA (5570 C)
Stock Linear Alkylate Sulfonate (LAS) Soln.	EPA (425.1)
Linear Alkyl Benzene Sulfonate Soln., Stock (1 mL = 1 mg LAS)	ASTM (D 2330)

Item #	Size	Pkg Type	Qty	List
4350-4*RC	120mL	Amb glass	1/ea	$88.48

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Lithium Carbonate
ACS Reagent Grade, Powder
CAS# 554-13-2
Not-Regulated

Test	Specification	Test	Specification
Appearance	White solid	Calcium (Ca)	0.01% max
Assay	99.0% min	Heavy Metals (as Pb)	0.002% max
Insoluble in Dilute Hydrochloric Acid	0.01% max	Iron (Fe)	0.002% max
Chloride (Cl)	0.005% max	Potassium (K)	0.01% max
Sulfur Compounds (SO_4)	0.2% max	Sodium (Na)	0.%
Nitrate (NO3)	5 pmm max		

Item #	Size	Pkg Type	Qty	List
L5125-125*AQ	125g	n/a	1/ea	$106.68

Lithium Chloride
ACS Reagent Grade
CAS# 7447-41-8
Not-Regulated

Test	Specification	Test	Specification
Assay	>=|99.00|No Limit|0.00	Heavy Metals (by ICP-OES)	No Limit|0.00|<=|0.002
Barium	No Limit|0.00|<=|0.003	Insoluble	No Limit|0.00|<=|0.01
Iron	No Limit|0.00|<=|0.001	Loss on Drying @ 105C (%)	No Limit|0.00|<=|1.00
Mol Wt.	42.39	Potassium	No Limit|0.00|<=|0.01
Sodium	No Limit|0.00|<=|0.20	Titrable base	No Limit|0.00|<=|0.008

Item #	Size	Pkg Type	Qty	List
47701*GF	500g	n/a	1/ea	$443.96

Lithium Chloride 1.0 M In Ethanol
Flammable Liquid, n.o.s. (Ethanol, Methanol), 3, UN1993, PG II

Test	Specification
Appearance & Color	Clear water white liquid
Actual Molarity	1.000 +- 0.005 M Lithium Chloride

Item #	Size	Pkg Type	Qty	List
5365-100*AQ	100mL	n/a	1/ea	$90.33
5365-500*AQ	500mL	n/a	1/ea	$148.40

Lithium ICP Standard 1,000 ppm Li in 3% HNO_3
Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Lithium Carbonate, 6Li2CO3	554-13-2	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Lithium (Li)	995 - 1005 ppm	3129

Specification	Reference
Lithium ICP Std., 1 mL = 1 mg Li (1,000 ppm Li) Li2CO3 in 3% HNO3	EPA (200.7)

Item #	Size	Pkg Type	Qty	List
PLI1KN-100*RC	100mL	Natural LDPE	1/ea	$137.89

Lugol's Iodine, Concentrated Weigert Formulation
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Iodine	7553-56-2	ACS
Potassium Iodide	7681-11-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Dark brown liquid	
Assay (vs. Sodium Thiosulfate/Starch)	0.389 - 0.399 N @ 20°C	136

Item #	Size	Pkg Type	Qty	List
4440-4*RC	120mL	Amb glass	1/ea	$52.66

Magnesium Chloride Hexahydrate
ACS Reagent Grade, Crystal
CAS# 7791-18-6
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Ammonium (NH_4)	0.002% max
Assay	99.0 - 102.0%	Barium (Ba)	0.005% max
Calcium (Ca)	0.01% max	Manganese (Mn)	5 ppm max
Insoluble Matter	0.005% max	Potassium (K)	0.005% max
Iron (Fe)	5 ppm max	Sodium (Na)	0.005% max
Nitrate (NO_3)	0.001% max	Strontium (Sr)	0.005% max
Phosphate (PO_4)	5 ppm max	Heavy Metals (as Pb)	5 ppm max
Sulfate (SO_4)	0.002% max		

Item #	Size	Pkg Type	Qty	List
M0246-500*AQ	500g	n/a	1/ea	$109.22
M0246-2.5*AQ	2.5kg	n/a	1/ea	$280.93

Magnesium Chloride Hexahydrate
ACS Reagent Grade
CAS# 7791-18-6
Not-Regulated

Test	Specification	Test	Specification
Ammonium (NH_4)	max 0.002%	Manganese (Mn)	max 5 ppm
Assay	99.0 - 102.0%	Nitrate (NO_3)	max 0.001%
Barium (Ba)	max 0.005%	Phosphate (PO_4)	max 5 ppm
Calcium (Ca)	max 0.01%	Potassium (K)	max 0.005%
Heavy Metals (as Pb)	max 5 ppm	Sodium (Na)	max 0.005%
Insoluble Matter	max 0.005%	Strontium (Sr)	max 0.005%
Iron (Fe)	max 5 ppm	Sulfate (SO_4)	max 0.002%

Item #	Size	Pkg Type	Qty	List
RDCM0030-500B1*RC	500g	Poly	1/ea	$159.77

Magnesium Chloride Hexahydrate
Laboratory Grade, Crystal
CAS# 7791-18-6
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Ammonium (NH_4)	0.002% max
Assay	99.0 - 101.0%	Barium (Ba)	Passes test
Calcium (Ca)	0.01% max	Manganese (Mn)	5 ppm max
Insoluble Matter	0.005% max	Potassium (K)	Passes test
Iron (Fe)	5 ppm max	Sodium (Na)	0.005% max
Nitrate (NO_3)	0.001% max	Strontium (Sr)	0.005% max
Phosphate (PO_4)	5 ppm max	Heavy Metals (as Pb)	5 ppm max
Sulfate (SO_4)	0.002% max	Arsenic (As)	2 ppm max
Bromide (Br)	0.002% max	Lead (Pb)	4 mg/kg
pH (1 in 20 mi Soln.) @ 25°C	4.5 - 7.0 max		

Item #	Size	Pkg Type	Qty	List
M0249-500*AQ	500g	n/a	1/ea	$46.33
M0249-2.5*AQ	2.5kg	n/a	1/ea	$138.85

Magnesium Chloride Hexahydrate
ACS Reagent Grade
CAS# 7791-18-6
Not-Regulated

Test	Specification	Test	Specification
Ammonium	No Limit|0.00|<=|0.002	Mol Wt.	203.3
Assay	>=|99.00|<=|102.00	Nitrate	No Limit|0.00|<=|0.001
Barium	No Limit|0.00|<=|0.005	Phosphate	No Limit|0.00|<=|0.005
Heavy Metals (by ICP-OES)	No Limit|0.00|<=|0.005	Potassium	No Limit|0.00|<=|0.005
Insoluble	No Limit|0.00|<=|0.005	Sodium	No Limit|0.00|<=|0.005
Iron	No Limit|0.00|<=|0.005	Strontium	No Limit|0.00|<=|0.005
Manganese	No Limit|0.00|<=|0.005		

Item #	Size	Pkg Type	Qty	List
48801*GF	500g	n/a	1/ea	$102.84
48802*GF	2.5kg	n/a	1/ea	$316.82

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Magnesium Standard

Magnesium ICP Standard 1,000 ppm Mg in 3% HNO_3

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Magnesium Oxide	1309-48-4	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. EDTA/Eriochrome Black T)	995 - 1005 ppm Mg	915

Specification	Reference
Magnesium ICP Std., 1 mL = 1 mg Mg (1,000 ppm Mg)	EPA (200.7)

Item #	Size	Pkg Type	Qty	List
PMG1KN-100*RC	100mL	Natural LDPE	1/ea	$143.65

Magnesium Oxide

Laboratory Grade, Light Powder
CAS# 1309-48-4
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Aluminum, as Al_2O_3	0.08%
Assay	98.32%	Chloride, as Cl	0.32%
Calcium, as CaO	0.84%	Sulfur, as SO_3	< 0.01%
Silicon, as SiO_2	0.28%	Loss on Ignition	0.84%
Iron, as Fe_2O_3	0.16%	Passing 325 Mesh	99.9%

Item #	Size	Pkg Type	Qty	List
M0301-100*AQ	100g	n/a	1/ea	$46.33

Magnesium Sulfate 2.25% w/v

Not-Regulated

Test	Specification
Verification	2.25 +- 0.01% w/v Magnesium Sulfate
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
5500-1*AQ	1L	n/a	1/ea	$35.04

Magnesium Sulfate Anhydrous

Reagent Grade, Powder
CAS# 7487-88-9
Not-Regulated

Test	Specification	Test	Specification
Appearance	White granular crystals	Nitrate	0.004% max
Assay	99.5% min	Arsenic	1 ppm max
Ignition Loss	2.0% max	Iron	0.001% max
Chloride (Cl)	0.001% max	Manganese	0.001% max
Calcium (Ca)	0.04% max	Heavy Metals as Pb	0.001% max
Ammonium	0.004% max	pH	5.0 - 9.2

Item #	Size	Pkg Type	Qty	List
M0399-500*AQ	500g	n/a	1/ea	$118.64
M0399-2.5*AQ	2.5kg	n/a	1/ea	$341.62

Magnesium Sulfate Heptahydrate

ACS Reagent Grade, Crystal
CAS# 10034-99-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White granular crystals	Sodium (Na)	0.005%
Assay	98.0 - 102.0%	Potassium (K)	0.005%
pH of a 5% Soln. @ 25°C	5.0 - 8.2	Iron (Fe)	5 ppm
Nitrate (NO_3)	0.002%	Manganese (Mn)	5 ppm
Ammonium (NH_4)	0.002%	Strontium (Sr)	0.005%
Chloride (Cl)	5 ppm	Insoluble Matter	0.005%
Calcium (Ca)	0.010% max	Heavy Metals (as Pb)	5 ppm

Item #	Size	Pkg Type	Qty	List
M0388-125*AQ	125g	n/a	1/ea	$45.12
M0388-2.5*AQ	2.5kg	n/a	1/ea	$288.87

Magnesium Sulfate Heptahydrate

Laboratory Grade, Crystal
CAS# 10034-99-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White granular crystals	Sodium	0.012% max
Assay	99.0% min	Potassium	0.300% max
MgSO4	48.0% min	Iron	1 ppm max
Ignition Loss	52.0% max	Water-Insolubles	0.010% max
Chloride (Cl)	0.020% max	Heavy Metals as Pb	5 ppm max
Calcium (Ca)	0.010% max		

Item #	Size	Pkg Type	Qty	List
M0394-500*AQ	500g	n/a	1/ea	$28.63

Manganese Sulfate Monohydrate

ACS Reagent Grade, Powder
CAS# 10034-96-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	Pink solid	Potassium (K)	0.01% max
Assay	98.0 - 101.0% min	Sodium (Na)	0.05% max
Insoluble Matter	0.01% max	Nickel (Ni)	0.02% max
Calcium (Ca)	0.005% max	Zinc (Zn)	0.005% max
Magnesium (Mg)	0.005% max	Heavy Metals (as Pb)	0.002% max
Chloride (Cl)	0.005% max	Loss on Ignition	10.0 - 12.% max
Iron (Fe)	0.002% max		

Item #	Size	Pkg Type	Qty	List
M1031-500*AQ	500g	n/a	1/ea	$108.31

Manganese Sulfate, Monohydrate

ACS Reagent Grade
CAS# 10034-96-5
Environmentally Hazardous Substances, Solid, n.o.s. (Manganese Sulfate), Marine Pollutant, 9, UN3077, PG III

Test	Specification	Test	Specification
Assay	>=|98.00|<=|101.00	Magnesium	No Limit|0.00|<=|0.005
Chloride	No Limit|0.00|<=|0.005	Mol Wt.	169.02
Heavy Metals (Pb)	No Limit|0.00|<=|0.002	Potassium	No Limit|0.00|<=|0.01
Insoluble	No Limit|0.00|<=|0.01	Sodium	No Limit|0.00|<=|0.05
Iron	No Limit|0.00|<=|0.002	Zinc	No Limit|0.00|<=|0.005

Item #	Size	Pkg Type	Qty	List
49632*GF	2.5kg	n/a	1/ea	$392.63

Mannitol

ACS Reagent Grade, Powder
CAS# 69-65-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Heavy Metal (as Pb)	5 ppm max
Insoluble Matter	0.01% max	Titrable Acid	0.0008 meq/g max
Residue after Ignition	0.01% max	Specific Rotation	23.3 - 24.3° max
Loss on Drying	0.05% max		

Item #	Size	Pkg Type	Qty	List
M1514-100*AQ	100g	n/a	1/ea	$48.79
M1514-500*AQ	500g	n/a	1/ea	$138.59
M1514-2.5*AQ	2.5kg	n/a	1/ea	$439.31

Mannitol

ACS Reagent Grade
CAS# 69-65-8
Not-Regulated

Test	Specification	Test	Specification
Heavy Metals (as Pb)	No Limit|0.00|<=|0.005	Reducing Sugars	None|0.00|None|0.00
Insoluble	No Limit|0.00|<=|0.01	Residue after Ignition	No Limit|0.00|<=|0.01
Loss on Drying @ 105°C	No Limit|0.00|<=|0.05	Specific Rotation	>=|23.30|<=|24.30
Mol Wt.	182.17	Titrable Acid	No Limit|0.00|<=|0.008

Item #	Size	Pkg Type	Qty	List
49651*GF	500g	n/a	1/ea	$88.80
49652*GF	2.5kg	n/a	1/ea	$345.28

Mercuric Chloride

ACS Reagent Grade
CAS# 7487-94-7
Mercuric Chloride, Marine Pollutant, 6.1, UN1624, PG II

Test	Specification	Test	Specification
Assay	>=|99.50|No Limit|0.00	Mol Wt.	271.5
Iron	No Limit|0.00|<=|0.002		

Item #	Size	Pkg Type	Qty	List
49751*GF	100g	n/a	1/ea	$236.96
49752*GF	500g	n/a	1/ea	$726.55

Mercuric Nitrate 0.01 N

N.I.S.T. Traceable
Toxic Liquid, Inorganic, n.o.s. (Mercuric Nitrate), 6.1, UN3287, PG III

Test	Specification
Actual Normality	0.0100 +- 0.0005 N @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
5625-1*AQ	1L	n/a	1/ea	$126.08

Mercuric Nitrate 0.0141 N

N.I.S.T. Traceable
Toxic Liquid, Inorganic, n.o.s. (Mercuric Nitrate), 6.1, UN3287, PG III

Test	Specification
Actual Normality	0.0141 +- 0.0005 N @ 20°C
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
5630-500*AQ	500mL	n/a	1/ea	$32.95
5630-1*AQ	1L	n/a	1/ea	$52.99

Mercuric Nitrate 0.141 N, 0.0705 M
1 mg = 5 mL Cl^-

Toxic Liquid, Inorganic, n.o.s. (Mercuric Nitrate), 6.1, UN3287, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Mercuric Nitrate Monohydrate	7783-34-8	ACS
Nitric Acid	7697-37-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Chloride/Diphenylcarbazone)	0.1409 - 0.1411 N @ 20°C	999

Specification	Reference
Strong Std. Mercuric Nitrate Titrant, 0.0705 M (0.141 N)	APHA (4500-Cl- C)
Mercuric Nitrate Titrant (0.141 N)	EPA (325.3)

Item #	Size	Pkg Type	Qty	List
4740-16*RC	500mL	Amb glass	1/ea	$113.62

Mercuric Oxide, Red

ACS Reagent Grade
CAS# 21908-53-2
Mercury Oxide, Marine Pollutant, 6.1, UN1641, PG II

Test	Specification	Test	Specification
Assay	>=|99.00|No Limit|0.00	Insoluble in Dil. HCl (%)	No Limit|0.00|<=|0.03
Chloride	No Limit|0.00|<=|0.025	Iron	No Limit|0.00|<=|0.005
Mol Wt.	216.59	Nitrogen Compounds (%)	No Limit|0.00|<=|0.005

Item #	Size	Pkg Type	Qty	List
49853*GF	2.5kg	n/a	1/ea	$3150.44

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Mercuric Thiocyanate Stock Solution 4.17 g/L in Methanol

Flammable Liquid, n.o.s. (Methanol), 3, UN1993, PG II

Name	CAS#	Grade
Methyl Alcohol	67-56-1	ACS
Mercuric Thiocyanate	592-85-8	Reagent

Test	Specification
Appearance	Colorless liquid
Suitability for Use	Sensitivity to Chloride

Specification	Reference
Stock Mercuric Thiocyanate	APHA (4500-Cl- E)
Mercuric Thiocyanate Soln.	EPA (SW-846) (9251), EPA (325.2)

Item #	Size	Pkg Type	Qty	List
4785-16*RC	500mL	Amb glass	1/ea	$104.01
4785-32*RC	1L	Amb glass	1/ea	$158.30

Mercury AA Standard 1,000 ppm

N.I.S.T. Traceable
Corrosive Liquid, n.o.s. (Nitric Acid), 8, UN1760, PG II

Test	Specification
Appearance & Color	Clear liquid

Item #	Size	Pkg Type	Qty	List
5750-100*AQ	100mL	n/a	1/ea	$47.65

Mercury AA Standard 1,000 ppm Hg in 3% HNO_3

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Mercuric Oxide	21908-53-2	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Thiocyanate/Volhard's Indicator)	995 - 1005 ppm Hg	999

Specification	Reference
Mercury AA, 1000 ppm in HNO3	EPA (245.1)

Item #	Size	Pkg Type	Qty	List
AHG1KN-100*RC	100mL	Natural LDPE	1/ea	$54.03

Mercury ICP Standard 1,000 ppm Hg in 3% HNO_3

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Mercury	7439-97-6	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Thiocyanate/Volhard's Indicator)	995 - 1005 ppm Hg	999

Specification	Reference
Mercury ICP Std., 1 mL = 1 mg Hg (1,000 ppm Hg) Hg in 3% HNO3	EPA (200.7)

Item #	Size	Pkg Type	Qty	List
PHG1KN-100*RC	100mL	Natural LDPE	1/ea	$144.53

Mercury ICP-MS Standard 1,000 ppm Hg in 3% HNO_3

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Mercury	7439-97-6	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Thiocyanate/Volhard's Indicator)	995 - 1005 ppm Hg	999

Specification	Reference
Mercury ICPMS, 1000 ppm / HNO3	EPA (200.8), EPA (SW-846) (6020)

Item #	Size	Pkg Type	Qty	List
MSHG1KN-100*RC	100mL	Natural LDPE	1/ea	$206.81

Methanol
FOXPURE® ACS Reagent Grade
CAS# 67-56-1
Methanol, 3, UN1230, PG II

Test	Specification	Test	Specification
Acetaldehyde	max 0.001%	Solubility in Water	Passes test
Acetone	max 0.001%	Subs. Darkened by Sulfuric Acid	Passes test
Assay (by GC-FID)	min 99.8%	Subs. Red. Permanganate	Passes test
Color	max 10	Titrable Acid	max 0.0003 meq/g
Formaldehyde	max 0.001%	Titrable Base	max 0.0002 meq/g
Residue after Evap.	max 10 ppm	Water (by KF Coulometry)	max 0.1%
Clear Colorless Liquid Free of Suspended Matter	Passes test		

Item #	Size	Pkg Type	Qty	List
M625-55*FX	55gal	Poly drum	1/ea	CALL
M628-55*FX	55gal	Metal drum	1/ea	CALL

Methanol
ACS Reagent Grade, Absolute
CAS# 67-56-1
Methanol, 3, UN1230, PG II

Test	Specification	Test	Specification
Subs. Red. Permanganate	To pass test	Assay	min 99.8%
Carbonyl Compounds: Acetaldehyde	max 0.001%	Color (APHA)	max 10
Carbonyl Compounds: Acetone	max 0.001%	Solubility in Water	To pass test
Carbonyl Compounds: Formaldehyde	max 0.001%	Titrable Acid	max 0.0003 meq/g
Residue after Evap. (Non-volatile Matter)	max 0.001%	Titrable Base	max 0.0002 meq/g
Subs. Darkened by Sulfuric Acid	To pass test	Water (H_2O)	max 0.1%

Item #	Size	Pkg Type	Qty	List
4829-1*RC	4L	Natural poly	1/ea	$240.47

Methanol (Methyl Alcohol) (Low Acetone)
ACS Reagent Grade
CAS# 67-56-1
Methanol, 3, UN1230, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Titrable Acid	<= 0.0003 mEq/g
Assay	99.8%	Titrable Base	<= 0.0002 mEq/g
Carbonyl Compounds	<= 0.001%	Water (H_2O)	<= 0.1%
Color (APHA)	<= 5	Boiling Point (Initial)	Between 63.6 - 65.6°C
Evap. Residue	<= 10 ppm		

Item #	Size	Pkg Type	Qty	List
M2515-500*AQ	500mL	n/a	1/ea	$33.61
M2515-1*AQ	1L	n/a	1/ea	$45.87
M2515-1P*AQ	1L	n/a	1/ea	$43.68
M2515-4*AQ	4L	n/a	1/ea	$144.82

Methanol (Methyl Alcohol) (Low Acetone)
HPLC Grade
CAS# 67-56-1
Methanol, 3, UN1230, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Color (APHA)	10 max
Assay	99.8% min	Water (H_2O)	0.030% max
Residue	0.0005% max		

Item #	Size	Pkg Type	Qty	List
M2523-4*AQ	4L	n/a	1/ea	$206.84

Methanol
HPLC Grade
CAS# 67-56-1
Methanol, 3, UN1230, PG II

Test	Specification	Test	Specification
Absorbance	To pass test	Carbonyl Compounds: Acetaldehyde	max 0.001%
Acetone	max 0.001%	LC Suitability (Gradient Elution Test)	To pass test
Assay	min 99.90	Residue after Evap. (Non-volatile Matter)	max 0.001%
Color (APHA)	max 10	Solubility in Water	To pass test
Water (H_2O)	max 0.1	Subs. Darkened by Sulfuric Acid	To pass test
Titrable Acid	max 0.0003	Subs. Red. Permanganate	To pass test
Titrable Base	max 0.0002	Formaldehyde (HCHO)	max 0.001%

Item #	Size	Pkg Type	Qty	List
R4828000-4C*RC	4L	Amb glass	1/ea	$212.70

Methyl Alcohol
FOXPURE® LC-MS
CAS# 67-56-1
Methanol, 3, UN1230, PG II

Test	Specification	Test	Specification
Assay (by GC-FID)	min 99.98%	Color (APHA)	max 5
Residue after Evap.	max 1 ppm	Titrable Acid	max 0.003 meq
Fluorescence @ Emission Max. for Impurities (as Quinine Sulfate)	max 0.3 ppb	Titrable Base	max 0.0002 - 0.0002 meq/g
LC Gradient Elution Suitability @ 254 nm	max 1 mAU	Water (by KF Coulometry)	max 0.02%
GC-ECD Responsive Residue (single peak) (as Heptachlorepoxide)	max 5 ppt	LC-MS Positive Mode (as Reserpine)	max 50 ppb
GC-FID Responsive Residue (single peak) (as 2-Octanol)	max 5 ppb	LC-MS Negative Mode (as Nitrophenol)	max 50 ppb

Optical Absorbance	205 nm	220 nm	230 nm	240 nm	254 nm	280 nm	400 nm
Limits (AU) max	1.000	0.25	0.12	0.05	0.01	0.005	0.005

Metals Specification Available on CofA / Max. Limits

AI	50 ppb	Cr	5 ppb	Pb	5 ppb	K (at pack)	10 ppb	Zn	5 ppb
Ba	5 ppb	Co	5 ppb	Mg	10 ppb	Ag	5 ppb		
Cd	5 ppm	Cu	5 ppb	Mn	5 ppb	Na (at pack)	50 ppb		
Ca	50 ppb	Fe	5 ppb	Ni	5 ppb	Sn	5 ppb		

Comments: Metal results are at time of packaging, and may increase due to extraction from the container.

Item #	Size	Pkg Type	Qty	List
M370-4*FX	4L	n/a	1/ea	$265.30
M370-4*FX	4L	n/a	4/cs	$705.68

Methyl Isobutyl Ketone (4-Methyl-2-Pentanone)
ACS Reagent Grade
CAS# 108-10-1
Methyl Isobutyl Ketone, 3, UN1245, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Titrable Acid	0.002 meq/g
Assay	98.5% min	Residue after Evap.	0.005%
Color, APHA	15 max	Water	0.1%

Item #	Size	Pkg Type	Qty	List
M5698-4*AQ	4L	n/a	1/ea	$234.70

Methyl Orange Indicator 0.05% (w/v)
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Methyl Orange, Sodium Salt	547-58-0	ACS

Test	Specification
Appearance	Orange liquid
Suitability for Use	Yellow (pH >4.4) - Pinkish-orange (pH 3.2) - Pink (pH < 3.2)

Specification	Reference
Methyl Orange Indic. Soln. (0.5 g/L)	ASTM (D 287 M), ASTM (D 1067 B), ASTM (D 2187 E)
Methyl Orange Indic. Soln. (0.5 g/L)	ASTM (D 2187 F), ASTM (D 2187 G), ASTM (D 2187 H)
Methyl Orange Indic. Soln. (0.5 g/L)	ASTM (D 4548), ASTM (D 2187 I), ASTM (D 2187 J)
Methyl Orange Indic. Soln. (0.5 g/L)	ASTM (D 2187 L)
Methyl Orange Indic. Soln.	APHA (5530 B), APHA (4500-P B), APHA (7500-Ra B)
Methyl Orange Indic. Soln.	APHA (3500-Cr B), APHA (3500-Al B), APHA (3500-Ni D)
Methyl Orange Indic. Soln.	ASTM (D 2187 K)

Item #	Size	Pkg Type	Qty	List
4980-4*RC	120mL	Natural poly	1/ea	$33.51

Methyl Orange 0.05% w/v Aqueous
Not-Regulated

Test	Specification
Appearance & Color	Orange liquid

Item #	Size	Pkg Type	Qty	List
5820-500*AQ	500mL	n/a	1/ea	$27.82
5820-1*AQ	1L	n/a	1/ea	$34.67

Thousands of Additional & Custom Blended Products Available!

Methyl Orange Indicator 0.1% Aqueous

Not-Regulated

Test	Specification
Appearance & Color	Orange liquid

Item #	Size	Pkg Type	Qty	List
5830-100*AQ	100mL	n/a	1/ea	$18.20
5830-500*AQ	500mL	n/a	1/ea	$27.82
5830-1*AQ	1L	n/a	1/ea	$34.67

Methyl Orange Indicator 0.1% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Methyl Orange, Sodium Salt	547-58-0	ACS

Test	Specification
Appearance	Orange liquid
Suitability for Use	Yellow (pH >4.4) - Pinkish-orange (pH 3.2) - Pink (pH <3.0)

Specification	Reference
Methyl Orange Indic. Soln.	TAPPI (T 635 om-93), APHA (7500-Ra D), ASTM (D 974)
Methyl Orange Indic. Soln.	ASTM (D 3712), ASTM (D 2460),
Methyl Orange Indic. Soln. (1 g/L)	ASTM (D 1093), ASTM (E 200)
Methyl Orange Indicator	TAPPI (T 624 cm-85), TAPPI (T 625 cm-85), TAPPI (T 632 cm-84)
Methyl Orange Indicator	TAPPI (T 611 cm-97), TAPPI (T 408 cm-97),
Methyl Orange	TAPPI (T 610 sp-97)
Methyl Orange Indicator RS	ACS (N/A)
Methyl Orange TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
5000-16*RC	500mL	Natural poly	1/ea	$49.25
5000-32*RC	1L	Natural poly	1/ea	$68.32

Methyl Orange Indicator 0.2% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Methyl Orange, Sodium Salt	547-58-0	ACS

Test	Specification
Appearance	Orange liquid
Suitability for Use	Pink (pH < 3.2) - Yellow (pH > 4.4)

Item #	Size	Pkg Type	Qty	List
5020-16*RC	500mL	Natural poly	1/ea	$63.41

Methyl Orange - Xylene Cyanole Indicator Modified Methyl Orange pH 2.9 Lavender/pH 4.6

Not-Regulated

Test	Specification
Appearance & Color	Green liquid

Item #	Size	Pkg Type	Qty	List
5835-500*AQ	500mL	n/a	1/ea	$57.19

Methyl Orange Indicator Solution Modified Methyl Orange-Xylene Cyanol Mixed Indicator

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Xylene Cyanol FF	2650-17-1	Technical
Methyl Orange, Sodium Salt	547-58-0	ACS

Test	Specification
Appearance	Green liquid
Suitability for Use	Green (pH > 4.6) - Gray (pH 3.8) - Mauve (pH < 2.9)

Specification	Reference
Modified Methyl Orange	TAPPI (T 613 cm-83)
Methyl Orange Indic. Soln., Modified	ASTM (E 200)

Item #	Size	Pkg Type	Qty	List
5030-4*RC	120mL	Natural poly	1/ea	$68.77
5030-32*RC	1L	Natural poly	1/ea	$171.24

Methyl Orange Sodium Salt

ACS Reagent Grade, Powder
CAS# 547-58-0
Dye, Solid, Toxic, n.o.s. (Methyl Orange), 6.1, UN3143, PG III

Test	Specification	Test	Specification
Appearance & Color	Orange crystalline powder	Visual Transition Interval	From pH 3.2 (Pink) to pH 4.4 (Yellow)
Clarity of Aqueous Soln.	Passes test		

Item #	Size	Pkg Type	Qty	List
M3628-125*AQ	125g	n/a	1/ea	$96.33
M3628-30*AQ	30g	n/a	1/ea	$47.43

Methyl Purple Indicator Solution

Not-Regulated

Test	Specification
Appearance & Color	Dark green liquid

Item #	Size	Pkg Type	Qty	List
5837-100*AQ	100mL	n/a	1/ea	$18.62
5837-500*AQ	500mL	n/a	1/ea	$27.15

Methyl Purple Indicator Solution

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Methyl Red, Sodium Salt	845-10-3	ACS
Blue Dye	Proprietary	

Test	Specification
Appearance	Dark green liquid
Suitability for Use	Purple (pH 4.8) - Green (pH 5.4), with Gray warning color

Specification	Reference
Methyl Purple Indic. Soln. (1 g/L)	ASTM (D 3590 A), ASTM (D 1067 B)
Methyl Purple Indicator	TAPPI (T 632 cm-84), ASTM (D 1266)
Methyl Purple Indic. Soln.	ASTM (D 3228)

Item #	Size	Pkg Type	Qty	List
5040-4*RC	120mL	Amb glass	1/ea	$37.54
5040-32*RC	1L	Amb glass	1/ea	$83.13

Methyl Red Indicator 0.1% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Methyl Red, Sodium Salt	845-10-3	ACS

Test	Specification
Appearance	Orange to dark red liquid
Suitability for Use	Pink (pH 4.5) - Yellow (pH 6.2)

Specification	Reference
Methyl Red Indic. Soln. (1 g/L)	ASTM (D 1067 B)
Methyl Red Indic. Soln.	ASTM (D 2036 C), APHA (4500-SO42- D), APHA (3500-Ca B)
Methyl Red Indic. Soln.	APHA (4500-SO42- C), APHA (3500-Mg D), EPA (375.3)
Methyl Red Indic. Soln.	TAPPI (T 665 om-93)
Methyl Red Indicator	TAPPI (T 618 cm-84), TAPPI (T 625 cm-85), TAPPI (T 624 cm-85)
Methyl Red Indicator	APHA (3500-Zn E), APHA (4500-CN- I), EPA (215.2)
Methyl Red Indicator	EPA (130.2), TAPPI (T 689 om-93)
Methyl Red, Aqueous	TAPPI (T 610 sp-97)

Item #	Size	Pkg Type	Qty	List
5060-16*RC	500mL	Natural poly	1/ea	$63.22

Methyl Red

ACS Reagent Grade
CAS# 493-52-7
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Red to maroon powder	Visual transition interval	From pH 4.2 (Pink) to pH 6.2 (Yellow)
Clarity of Alcohol Soln.	Passes test	Loss on Drying @ 110°C / 1 hour	< 3%
Clarity of Aqueous Soln.	Passes test	Melting point	179°C - 182°C

Item #	Size	Pkg Type	Qty	List
M3942-10*AQ	10g	n/a	1/ea	$47.43
M3942-125*AQ	125g	n/a	1/ea	$180.06

Methyl Red 0.1% w/v in Reagent Alcohol

Flammable Liquid, n.o.s. (Reagent Alcohol), 3, UN1993, PG II

Test	Specification
Appearance & Color	Clear red liquid

Item #	Size	Pkg Type	Qty	List
5851-100*AQ	100mL	n/a	1/ea	$28.65

Methyl Red 0.1% w/v in Methanol

Flammable Liquid, n.o.s. (Methanol), 3, UN1993, PG II

Test	Specification	Test	Specification
Appearance & Color	Clear green liquid	pH	4.2 Pink - Pink 6.2
Verification w/v	0.100 +- 0.002% w/v Methyl Red		

Item #	Size	Pkg Type	Qty	List
5854-500*AQ	500mL	n/a	1/ea	$43.22

Methyl Red 1% w/v Aqueous

Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Clear dark red liquid	pH	pH 4.2 Pink / 6.2 Yellow
w/v% Methyl Red	1.00 +- 0.02% w/v		

Item #	Size	Pkg Type	Qty	List
5860-500*AQ	500mL	n/a	1/ea	$60.19

Methyl Red Sodium Salt

ACS Reagent Grade
CAS# 845-10-3
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Dark red to brownish yellow to brown powder	Visual Transition Interval	From pH 4.2 (Pink) to pH 6.2 (Yellow)
Clarity of Alcohol Soln.	Passes test	Loss on Drying @ 110°C / 1 hour	< 5%
Clarity of Aqueous Soln.	Passes test	Melting Point	179°C - 182°C

Item #	Size	Pkg Type	Qty	List
M3933-10*AQ	10g	n/a	1/ea	$47.43

Methylene Blue Reagent for Surfactant Analysis

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate, Monobasic Monohydrate	10049-21-5	ACS
Sulfuric Acid	7664-93-9	ACS
Methylene Blue Trihydrate	7220-79-3	Certified

Test	Specification
Appearance	Dark blue liquid

Specification	Reference
Methylene Blue Reagent	APHA (5540 C), EPA (425.1)
Methylene Blue Soln. (30 mg/L)	ASTM (D 2330)

Item #	Size	Pkg Type	Qty	List
4900-16*RC	500mL	Natural poly	1/ea	$65.61
4900-32*RC	1L	Natural poly	1/ea	$112.80

Methylene Blue 1% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Methylene Blue Trihydrate	7220-79-3	Certified

Test	Specification
Appearance	Blue liquid
UV/Visible Spectrum	To pass test

Item #	Size	Pkg Type	Qty	List
4850-16*RC	500mL	Natural poly	1/ea	$61.32
4850-32*RC	1L	Natural poly	1/ea	$112.92

Methyl Tert-Butyl Ether (MTBE)

ACS Reagent Grade
CAS# 1634-04-4
Methyl Tert-Butyl Ether, 3, UN2398, PG II

Test	Specification	Test	Specification
Appearance & Color	Clear liquid	Peroxide (as H_2O_2)	1 ppm max
Assay	99.0% min	Residue after Evap.	0.001% max
Color (APHA)	10 max	Water (H_2O)	0.05% max

Item #	Size	Pkg Type	Qty	List
M3111-4*AQ	4L	n/a	1/ea	$205.00

Mineral Oil for Oil Baths Specially Inhibited

Not-Regulated

Test	Specification
Appearance & Color	Clear liquid

Item #	Size	Pkg Type	Qty	List
M7120-20*AQ	20L	n/a	1/ea	$560.14

Mineral Oil Light

Laboratory Grade
CAS# 8012-95-1
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Clear liquid	Solid Paraffins (USP)	Pass
Viscosity @ 40°C (D445)	14.20 / 17.00	Readily Carbonizable Subs (USP)	Pass
Viscosity @ 100°F (D2161)	80.0 / 90.0	Acidity (USP)	Pass
Sp. Gr. @ 25/25°C (D4052)	.8330 / .8610	Odor (USP/NF)	Pass
Flash Point. COC (D92)	370°F	Limit of Sulfur Compounds (USP)	Pass
Color, Saybolt (D156)	30 min		

Item #	Size	Pkg Type	Qty	List
M7113-500*AQ	500mL	n/a	1/ea	$42.93
M7113-1*AQ	1L	n/a	1/ea	$71.52

Mineral Oil Heavy

Laboratory Grade
CAS# 8012-95-1
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Clear liquid	Solid Paraffins (USP)	Pass
Viscosity @ 40°C (D445)	65.80 / 71.00	Readilyl Carbonizable Subs (USP)	Pass
Viscosity @ 100°F (D2161)	340.0 / 365.0	Acidity (USP)	Pass
Sp. Gr. @ 25/25°C (D4052)	.8640 / .8810	Odor (USP/NF)	Pass
Color, Saybolt (D156)	30 min	Limit of Sulfur Compounds (USP)	Pass

Item #	Size	Pkg Type	Qty	List
M7117-20*AQ	20L	n/a	1/ea	$539.65

Mixed Anion Standard 2000 ppm: Cl, SO_4 / 500 ppm N (as NO_3) / 250 ppm Br / 100 ppm F, N (as NO_2), P (as PO_4)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Chloroform	67-66-3	

Test	Specification
Appearance	Colorless liquid

Analyte	Analysis (ppm)	Solute	CAS#	Grade
Nitrogen (as Nitrate) (NO3-N)	495 - 505	Potassium Nitrate	7757-79-1	High Purity
Chloride (Cl)	1995 - 2005	Sodium Chloride	7647-14-5	High Purity
Sulfate (SO4)	1985 - 2015	Sodium Sulfate Anhydrous	7757-82-6	ACS
Nitrogen (as Nitrite) (NO2-N)	99 - 101	Potassium Nitrite	7758-09-0	ACS
Phosphorus (P)	99.5 - 100.5	Ammonium Dihydrogen Phosphate	7722-76-1	High Purity
Bromide (Br)	249.5 - 250.5	Sodium Bromide	7647-15-6	High Purity
Fluoride (F)	99.5 - 100.5	Sodium Fluoride	7681-49-4	High Purity

Item #	Size	Pkg Type	Qty	List
ICMIX01-1A*RC	1L	Natural poly	1/ea	$253.37

Mixed Indicator Solution Methyl Red-Methylene Blue

Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Methyl Red, Sodium Salt	845-10-3	ACS
Methylene Blue Trihydrate	7220-79-3	Certified

Test	Specification
Appearance	Dark green liquid
Suitability for Use	Purple (pH < 4.2) - Green (pH > 6.2)

Specification	Reference
Mixed Indic. Soln.	APHA (4500-NH3 C)
Mixed Indicator	EPA (350.2), EPA (351.3)

Item #	Size	Pkg Type	Qty	List
5164-16*RC	500mL	Natural poly	1/ea	$99.38

Mixed Standard 500 ppm Alkalinity/125 ppm Chloride Aqueous

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Tris(hydroxymethyl)aminomethane	77-86-1	Primary Std.
Sodium Chloride	7647-14-5	ACS

Test	Specification
Alkalinity (as $CaCO_3$)	497.5 - 502.5 ppm
Appearance	Colorless liquid
Chloride (Cl)	124.4 - 125.6 ppm

Item #	Size	Pkg Type	Qty	List
5175-32*RC	1L	Natural poly	1/ea	$152.38

Molybdate Reagent, Taylor Type 1.2% (w/v) Sodium Molybdate in 4.9% (v/v) Sulfuric Acid

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Sulphuric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS
Sodium Molybdate Dihydrate	10102-40-6	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to slightly greenish-yellow liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	1.73-1.77 N H_2SO_4	84

Item #	Size	Pkg Type	Qty	List
5190-1*RC	4L	Natural poly	1/ea	$213.13

Molybdate Solution for Taylor Phosphate

Corrosive Liquid, n.o.s. (Sulfuric Acid), 8, UN1760, PG II

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
5953-1*AQ	1L	n/a	1/ea	$36.15
5953-4*AQ	4L	n/a	1/ea	$102.34

Monochloroacetic Acid Buffer for Carbamate Analysis

Chloroacetic Acid, Solution, 6.1 (8) UN1750, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Chloroacetic Acid	79-11-8	ACS
Acetic Acid	64-19-7	ACS
Potassium Hydroxide	1310-58-3	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	2.95 - 3.05	185i, 186-I-g, 186-II-g

Item #	Size	Pkg Type	Qty	List
R5210000-1C*RC	1L	Amb glass	1/ea	$630.86

Monomagnesium EDTA 0.2 g/L for Hardness

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Magnesium Disodium EDTA	14402-88-1	Reagent

Test	Specification
Appearance	Colorless liquid
Suitability for Use	1:1 Mg:EDTA ratio

Specification	Reference
Monomagnesium Ethylenediamine-tetraacetate	EPA (130.1)

Item #	Size	Pkg Type	Qty	List
5212-16*RC	500mL	Natural poly	1/ea	$76.75
5212-32*RC	1L	Natural poly	1/ea	$107.76

Murexide (Ammonium Purpurate)

ACS Reagent Grade
CAS# 3051-09-0
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Red powder	Sensitivity	Passes test
Assay	97.0% min	Suitability as a Complexometric Indicator	Passes test
Loss on Drying	2%	Absorbance (0.18nmol/l, H_2O	>0.200/cm @ 521 - 526 nm
Sulfated Ash	0.3%		

Item #	Size	Pkg Type	Qty	List
M9013-100*AQ	100g	n/a	1/ea	$421.25

Murexide Indicator 0.2% (w/w) in Sodium Chloride

Not-Regulated

Name	CAS#	Grade
Sodium Chloride	7647-14-5	ACS
Murexide	3051-09-0	ACS

Test	Specification
Appearance	Rose-pink solid
Suitability for Use	Pink (excess Calcium) - Purple (excess EDTA)

Specification	Reference
Murexide Indicator (Dry Powder with NaCl)	APHA (3500-Ca B)
Murexide Indicator, Dry Powder	EPA (215.2)

Item #	Size	Pkg Type	Qty	List
5220-100*RC	100g	Poly	1/ea	$119.63
5220-500*RC	500g	Poly	1/ea	$401.61

N,N-Dimethylformamide

ACS Reagent Grade
CAS# 68-12-2
N,N-Dimethylformamide, 3, UN2265, PG III

Test	Specification	Test	Specification
Appearance & Color	Clear liquid	Titrable Acid	0.0005 meq/g max
Assay	99.8% min	Titrable Base	0.003 meq/g max
Color APHA	15 max	Water (H_2O)	0.15% max
Residue after Evap.	0.005% max		

Item #	Size	Pkg Type	Qty	List
D4850-500*AQ	500mL	n/a	1/ea	$65.38

n-Butyl Alcohol Carbonyl Free

CAS# 71-36-3
Butanols, 3, UN1120, PG II

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
1610-500*AQ	500mL	n/a	1/ea	$170.14

Lab Organizers

n-Butyl Alcohol (1-Butanol)

ACS Reagent Grade
CAS# 71-36-3
Butanols, 3, UN1120, PG II

Test	Specification	Test	Specification
Appearance & Color	Clear liquid	Titrable Acid	0.0008 meq/g max
Assay	99.4% min	Carbonyl Compounds (as Butyraldehyde)	0.01% max
Color APHA	10 max	Water (H_2O)	0.15% max
Residue after Evap.	0.005% max	Butyl Ether ($C_8H_{18}O$)	0.2% max

Item #	Size	Pkg Type	Qty	List
B8210-4*AQ	4L	n/a	1/ea	$204.61

n-Butyl Alcohol

ACS Reagent Grade
CAS# 71-36-3
Butanols, 3, UN1120, PG III

Test	Specification	Test	Specification
Assay	min 99.4%	Color (APHA)	max 10
Butyl Ether ($C_8H_{18}O$)	max 0.2%	Titrable Acid	max 0.0008 meq/g
Carbonyl Compounds (as Butyraldehyde)	max 0.01%	Water (H_2O)	max 0.1%
Residue after Evap. (Non-volatile Matter)	max 0.005%		

Item #	Size	Pkg Type	Qty	List
R1651000-4A*RC	4L	Natural poly	1/ea	CALL

Naphtha VM&P

CAS# 8030-30-6
Petroleum Distillates, n.o.s. (Naptha), 3, UN1268, PG II

Test	Specification	Test	Specification
Sp. Gr.	0.727 - 0.743	Water Content	max 500 PPM
Flash Pt., TCC	min 10(50) Deg F	Distillation	245 - 260 Deg F
Refractive Index	1.4050 - 1.5000	Distillation Range D.P.	max 300 Deg F

Item #	Size	Pkg Type	Qty	List
N2200-4*AQ	4L	n/a	1/ea	$121.58

p-Naptholbenzein 1% w/v Indicator Solution

ASTM D3242 & D974
Flammable Liquid, n.o.s. (Toluene, Isopropanol), 3, UN1993, PG II

Test	Specification
Appearance & Color	Clear dark brown liquid

Item #	Size	Pkg Type	Qty	List
6100-100*AQ	100mL	n/a	1/ea	$97.97
6100-500*AQ	500mL	n/a	1/ea	$151.66

Nessler Reagent for Ammonia Nitrogen Determination

Corrosive Liquid, Toxic, n.o.s. (Sodium Hydroxide, Mercury), 8 (6.1), UN2922, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	ACS
Potassium Iodide	7681-11-0	ACS
Mercuric Iodide	7774-29-0	

Test	Specification
Appearance	Light yellow liquid
Sensitivity to Ammonia	To pass test

Specification	Reference
Nessler Reagent	ASTM (D 1426 A), ASTM (D 3590 A), APHA (4500-NH3 C)
Nessler Reagent	EPA (350.2), EPA (351.3)
Nessler Reagent RS (modified)	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
5250-16*RC	500mL	Amb poly	1/ea	$189.82
5250-1*RC	4L	Black poly	1/ea	$469.42

Nessler's Reagent Solution

Corrosive Liquid, Toxic, n.o.s. (Sodium Hydroxide, Mercuric Iodide), 8, UN2922, PG II

Test	Specification
Appearance & Color	Clear yellow liquid

Item #	Size	Pkg Type	Qty	List
6350-1*AQ	1L	n/a	1/ea	$129.37

Neutral Red TS 0.1% (w/v) in 50% Alcohol

Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Neutral Red	553-24-2	Certified

Test	Specification
Appearance	Red liquid
Suitability for Use	Red (pH 6.8) - Orange (pH 8.0)

Specification	Reference
Neutral Red TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
5271-16*RC	500mL	Natural poly	1/ea	$84.06

Neutralization Number Solvent For TAN

ASTM D3242, D664, D974
Flammable Liquid, n.o.s. (Toluene, Isopropanol), 3, UN1993, PG II

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6520-4*AQ	4L	n/a	1/ea	$258.82
6520-20*AQ	20L	n/a	1/ea	$445.92

Nickel Standard 1,000 ppm Ni

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nickel Sulfate Hexahydrate	10101-97-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Light green liquid	
Assay (vs. EDTA/Murexide)	999 - 1001 ppm Ni	915

Specification	Reference
Nickel Stock Soln., for Preparation of Nickel Std. Soln. (0.01 mg of Ni in 1 mL)	ACS (N/A)
Nickel Stock Soln. (4.78 g NiSO4.7H2O in 1000 mL), for Preparation of R 5002000	EP (N/A)

Item #	Size	Pkg Type	Qty	List
5302-4*RC	120mL	Natural poly	1/ea	$108.15

Nickel Sulfate, Hexahydrate

ACS Reagent Grade
CAS# 10101-97-0
Environmentally Hazardous Substances, Solid, n.o.s. (Nickel Sulfate, Hexahydrate RQ = 100 LBS), 9, UN3077, PG III

Test	Specification	Test	Specification
Assay	>=|98.00|<=|102.00	Magnesium	No Limit|0.00|<=|0.005
Calcium	No Limit|0.00|<=|0.005	Manganese	No Limit|0.00|<=|0.002
Copper	No Limit|0.00|<=|0.005	Mol Wt.	262.84
Insoluble	No Limit|0.00|<=|0.005	Sodium	No Limit|0.00|<=|0.05

Item #	Size	Pkg Type	Qty	List
52602*GF	2.5kg	n/a	1/ea	$569.21

Nitric Acid

FOXPURE* ACS Reagent Grade
CAS# 7732-18-5, 7697-37-2
Nitric Acid, 8 (5.1), UN2031, PG II

Test	Specification	Test	Specification
Assay (by GC)	68.0 - 70.0%	Sulfate	1 ppm max
Color (APHA)	< 10 max	Arsenic	0.01 ppm max
Residue after Evap.	0.5 ppm max	Heavy Metals	0.2 ppm max
Chloride	0.5 ppm max	Iron	0.2 ppm max

Item #	Size	Pkg Type	Qty	List
N650-3*FX	2.5L	Safecoat	1/ea	$195.26
N650-3*FX	2.5L	Safecoat	4/cs	$782.70

Nitric Acid

FOXPURE® UltraPure®
CAS# 7697-37-2
Nitric Acid, other than red fuming, with at least 65%, but not more than 70% Nitric Acid, 8 (5.1), UN2031, PG II

Analyte Trace Impurities in ppt (pg/g)

Al	20	Gd	1	Ni	20	Te	1
Sb	10	Ga	10	Nb	1	Tb	1
As	20	Ge	10	Pd	20	Tl	10
Ba	10	Au	20	Pt	20	Th	1
Be	10	Hf	10	K	10	Tm	1
Bi	10	Ho	1	Pr	1	Sn	20
B	10	In	1	Re	10	Ti	10
Cd	10	Fe	10	Rh	10	W	10
Ca	10	La	1	Rb	10	U	1
Ce	10	Pb	10	Ru	20	V	10
Cs	10	Li	10	Sm	1	Yb	1
Cr	10	Lu	1	Sc	10	Y	1
Co	10	Mg	10	Se	Info Only	Zn	10
Cu	10	Mn	10	Ag	10	Zr	10
Dy	1	Hg	50	Na	10		
Er	1	Mo	10	Sr	10		
Eu	1	Nd	1	Ta	Info Only		

Item #	Size	Pkg Type	Qty	List
N100-5*FX	1L	n/a	1/ea	$1151.62

Nitric Acid

FOXPURE® InstraPure®
CAS# 7697-37-2
NITRIC ACID, other than red fuming, with at least 65%, but not more than 70% Nitric Acid, 8 (5.1), UN2031, PG II

Test	Specification
Assay (HNO3, w/w):	67 - 70%
Color (APHA)	10

Analyte / Trace Impurities in ng/g (ppb)

Al	1	Gd	0.1	Ni	0.5	Te	0.1
Sb	0.5	Ga	0.1	Nb	0.1	Tb	0.1
As	0.5	Ge	0.1	Pd	0.5	Tl	0.1
Ba	0.1	Au	0.1	Pt	0.5	Th	0.1
Be	0.1	Hf	0.1	K	1	Tm	0.1
Bi	0.1	Ho	0.1	Pr	0.1	Sn	0.5
B	1	In	0.1	Re	0.1	Ti	0.5
Cd	0.5	Fe	1	Rh	0.5	W	0.1
Ca	1	La	0.1	Rb	0.1	U	0.1
Ce	0.1	Pb	0.1	Ru	0.5	V	0.5
Cs	0.1	Li	0.1	Sm	0.1	Yb	0.1
Cr	1	Lu	0.1	Sc	0.1	Y	0.1
Co	0.5	Mg	1	Se	1	Zn	0.5
Cu	0.5	Mn	0.1	Ag	0.1	Zr	0.1
Dy	0.1	Hg	0.1	Na	1		
Er	0.1	Mo	0.1	Sr	0.1		
Eu	0.1	Nd	0.1	Ta	Info Only		

Item #	Size	Pkg Type	Qty	List
N302-2*FX	500mL	Poly	1/ea	$128.28
N302-2*FX	500mL	Poly	6/cs	$523.08
N302-3*FX	2.5L	Poly	1/ea	$233.30
N302-3*FX	2.5L	Poly	6/cs	$951.30

Nitric Acid

ACS Reagent Grade
CAS# 7697-37-2
Nitric Acid, 8, UN2031, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Residue after Ignition	<= 2 ppm
Assay (HNO_3)	68.0 - 70.0 w/w%	Color	<= 10 APHA
Aluminum	<= 0.2 ppm	Lead (Pb)	<= 0.1 ppm
Arsenic (As)	<= 0.004 ppm	Magnesium (Mg)	<= 0.3 ppm
Boron (B)	<= 0.1 ppm	Nickel (Ni)	<= 0.05 ppm
Calcium (Ca)	<= 0.2 ppm	Phosphate (PO_4)	<= 0.2 ppm
Chloride	<= 0.08 ppm	Potassium (K)	<= 0.3 ppm
Chromium (Cr)	<= 0.1 ppm	Sodium (Na)	<= 0.3 ppm
Copper (Cu)	<= 0.05 ppm	Sulfate (SO_4)	<= 0.5 ppm
Gold (Au)	<= 0.3 ppm	Tin (Sn)	<= 0.3 ppm
Heavy Metals (as Pb)	<= 0.2 ppm	Titanium (Ti)	<= 0.3 ppm
Iron (Fe)	<= 0.2 ppm	Zinc (Zn)	<= 0.3 ppm

Item #	Size	Pkg Type	Qty	List
N3805-2.5*AQ	2.5L	n/a	1/ea	$169.01

Nitric Acid

FOXSEMI Semiconductor
CAS# 7697-37-2
Nitric Acid, 8 (5.1), UN2031, PG II

Test	Specification	Test	Specification
Appearance	Clear, colorless liquid	Color (APHA)	10 max
Assay (HNO_3)	69.0 - 70.0%	Residue after Ignition	5 ppm max(5,000 ppb)
Heavy Metals (as Pb)	0.2 ppm max (200 ppb)	Arsenic & Antimony (as As)	0.005 ppm max (5 ppb)
Chloride (Cl)	0.08 ppm max (80 ppb)	Lead (Pb)	0.1 ppm max (100 ppb)
Phosphate (PO_4)	0.2 ppm max (200 ppb)	Magnesium (Mg)	0.3 ppm max (300 ppb)
Sulfate (SO_4)	0.5 ppm max (500 ppb)	Manganese (Mn)	0.2 ppm max (200 ppb)
Aluminum (Al)	0.2 ppm max (200 ppb)	Nickel (Ni)	0.05 ppm max (50 ppb)
Boron (B)	0.1 ppm max (100 ppb)	Potassium (K)	0.3 ppm max (300 ppb)
Calcium (Ca)	0.2 ppm max (200 ppb)	Sodium (Na)	0.3 ppm max (300 ppb)
Chromium (Cr)	0.1 ppm max (100 ppb)	Tin (Sn)	0.3 ppm max (300 ppb)
Copper (Cu)	0.05 ppm max (50 ppb)	Titanium (Ti)	0.3 ppm max (300 ppb)
Gold (Au)	0.3 ppm max (300 ppb)	Zinc (Zn)	0.3 ppm max (300 ppb)
Iron (Fe)	0.2 ppm max (200 ppb)		

Item #	Size	Pkg Type	Qty	List
N860-3*FX	2.2L	Poly	1/ea	$174.20
N860-3*FX	2.2L	Poly	6/cs	$698.64

Nitric Acid 2.00 N

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to light yellow liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	1.999 - 2.001 N @ 20°C	84

Item #	Size	Pkg Type	Qty	List
5432-32*RC	1L	Natural poly	1/ea	$93.86

Nitric Acid 10% v/v

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Test	Specification	Test	Specification
Appearance	Clear water white liquid	Actual Assay	10.00 +- 0.05% v/v Nitric Acid

Item #	Size	Pkg Type	Qty	List
6473-500*AQ	500mL	n/a	1/ea	$36.15

Nitric Acid 30% (v/v)

Nitric Acid Solution. 8, UN2031, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to light yellow liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	29.9 - 30.1% (v/v)	84

Item #	Size	Pkg Type	Qty	List
5331-32*RC	1L	SC glass	1/ea	$91.24

Nitric Acid 50% v/v

Nitric Acid Solution, 8, UN2031, PG II

Test	Specification
Appearance	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6474-1*AQ	1L	n/a	1/ea	$72.19

Ammonia Nitrogen Standard 10 ppm N (12.2 ppm NH_3)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Chloride	12125-02-9	High Purity

Test	Specification
Appearance	Colorless liquid
Assay (Calculated)	9.95 - 10.05 ppm N

Specification	Reference
Ammonia Soln., Std. (1.0 mL = 0.01 mg Ammonia Nitrogen)	ASTM (D 3590 A)
Ammonia Soln., Std. (1.0 mL = 0.01 mg Ammomium Nitrogen)	ASTM (D 3590 B)
Std. Ammonium Chloride Soln., 10.0 mg NH3-N/L	APHA (4500-CN- L)
Std. Ammonium Soln.	APHA (4500-NH3 C)
Ammonium Chloride, Std. Soln., 1.0 mL = 0.01 mg NH3-N	EPA (350.2), EPA(350.3), EPA(351.4)
Std. Soln. A, 1 mL = 0.01 mg NH3-N	EPA (350.1)
Ammonium Chloride, Std. Soln., 1.0 mL = 0.01 mg NH3-N	EPA (351.3)
Nitrogen Std. Soln. (0.01 mg of N in 1 mL)	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
5450-4*RC	120mL	Natural poly	1/ea	$48.43

Ammonia Nitrogen Standard 100 ppm N (122 ppm NH_3)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Chloride	12125-02-9	High Purity

Test	Specification
Appearance	Colorless liquid
Nitrogen (N)	99.5 - 100.5 ppm

Item #	Size	Pkg Type	Qty	List
5453-16*RC	500mL	Natural poly	1/ea	$93.00

Ammonia Nitrogen Standard 1,000 ppm N (1216 ppm NH_3)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Chloride	12125-02-9	High Purity

Test	Specification
Appearance	Colorless liquid
Nitrogen (N)	995 - 1005 ppm

Specification	Reference
Ammonia Soln., Stock (1.0 mL = 1.0 mg Ammonia Nitrogen)	ASTM (D 3590 A)
Ammonia Soln., Stock (1.0 mL = 1.0 mg Ammomium Nitrogen)	ASTM (D 3590 B)
Stock Ammonium Chloride Soln.	APHA (4500-CN- L), APHA (4500-NH3 D)
Stock Ammonium Soln.	APHA (4500-NH3 C), APHA (4500-NH3 F)
Ammonium Chloride, Stock Soln., 1.0 mL = 1.0 mg NH3-N	EPA (351.2), EPA (350.2), EPA (350.3)
Ammonium Chloride, Stock Soln., 1.0 mL = 1.0 mg NH3-N	EPA (351.4)
Stock Soln., 1.0 mL = 1.0 mg NH3-N	EPA (350.1)
Ammonium Chloride, Stock Soln., 1.0 mL = 1.0 mg NH3-N	EPA (351.3)

Item #	Size	Pkg Type	Qty	List
5455-4*RC	120mL	Natural poly	1/ea	$48.43
5455-16*RC	500mL	Natural poly	1/ea	$83.81
5455-1*RC	4L	Natural poly	1/ea	$309.51

Nitrate Nitrogen Standard 100 ppm N (442.7 ppm NO_3^-)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Chloroform	67-66-3	
Potassium Nitrate	7757-79-1	High Purity

Test	Specification
Appearance	Colorless liquid
Nitrogen (N)	99.5 - 100.5 ppm

Specification	Reference
Stock Nitrate Soln.	APHA (419 D), APHA (4500-NO3- B),
Stock Nitrate Soln.	APHA (4500-NO3- D), APHA (4500-NO3- E)
Stock Nitrate Soln.	APHA (4500-NO3- H), APHA (4500-NO3- F)
Potassium Nitrate Stock Soln., 1.0 mL = 0.1 mg NO3-N	EPA (352.1)
Stock Nitrate Soln. (100 mg/L NO3-N)	EPA (353.1)

Item #	Size	Pkg Type	Qty	List
5457-4*RC	120mL	Natural poly	1/ea	$46.54

Nitrate Nitrogen Standard 250 ppm N (821 ppm NO_2^-)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Chloroform	67-66-3	
Sodium Nitrite	7632-00-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Permanganate)	249 - 251 ppm N	8040

Specification	Reference
Nutrient Buffer	APHA (5210 B)

Item #	Size	Pkg Type	Qty	List
5460-4*RC	120mL	Natural poly	1/ea	$84.80
5460-16*RC	500mL	Natural poly	1/ea	$179.11

Nitrate Nitrogen Standard 1000 ppm N (4427 ppm NO_3^-)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Nitrate	7757-79-1	High Purity
Chloroform	67-66-3	

Test	Specification
Appearance	Colorless liquid
Nitrogen (N)	995 - 1005 ppm

Specification	Reference
Nitrate Soln., Stock (1.0 mL = 1.0 mg NO3-N)	ASTM (D 3867 A), ASTM (D 3867 B)
Stock Nitrate Soln.: 1 mL = 1.0 mg NO3-N	EPA (353.2), EPA (353.3)

Item #	Size	Pkg Type	Qty	List
5459-16*RC	500mL	Natural poly	1/ea	$97.68

Nitrite Nitrogen Standard 100 ppm N (328.5 ppm NO_2^-)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Chloroform	67-66-3	
Potassium Nitrite	7758-09-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Permanganate)	99.5 - 100.5 ppm N	8040

Specification	Reference
Stock Nitrite Soln. (100 mg/L NO2-N)	EPA (353.1)

Item #	Size	Pkg Type	Qty	List
5461.1-4*RC	120mL	Amb glass	1/ea	$80.33

Nitrite Nitrogen Standard 1000 ppm N (3285 ppm NO_2^-)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Nitrite	7758-09-0	ACS
Chloroform	67-66-3	

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Permanganate)	995 - 1005 ppm N	8040

Specification	Reference
Nitrite Soln., Stock (1.0 mL = 1.0 mg NO2-N)	ASTM (D 3867 A), ASTM (D 3867 B)
Stock Nitrite Soln.: 1 mL = 1.0 mg NO2-N	EPA (353.2), EPA (353.3)

Item #	Size	Pkg Type	Qty	List
5461-4*RC	120mL	Natural poly	1/ea	$81.13

Nitrite Nitrogen Standard 1000 ppm N (3285 ppm NO_2^-)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Nitrite	7758-09-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Permanganate)	995 - 1005 ppm N	8040

Item #	Size	Pkg Type	Qty	List
R5444900-120C*RC	120mL	Amb glass	1/ea	$69.43

Nitrogen Standard 1,000 ppm Solution

Certified
Not-Regulated

Test	Specification	Test	Specification
Appearance	Clear water white liquid	PPM as N	1,000 +/- 20 ppm as N

Item #	Size	Pkg Type	Qty	List
6490-500*AQ	500mL	n/a	1/ea	$45.12

Organic Carbon Standard 5 ppm C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Phosphoric Acid	7664-38-2	ACS
Potassium Acid Phthalate	877-24-7	ACS Acidimetric

Test	Specification
Appearance	Colorless liquid
Carbon (C)	4.95 - 5.05 ppm

Item #	Size	Pkg Type	Qty	List
1844.05-16*RC	500mL	Amb glass	1/ea	$130.51

ORP Standard, +200 mV vs. Ag/AgCl (4M KCl sat. with AgCl Filling Solution)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Potassium Ferrocyanide Trihydrate	14459-95-1	ACS
Potassium Ferricyanide	13746-66-2	ACS

Test	Specification
Appearance	Yellow-green liquid
Oxidation-Reduction Potential (ORP)	190 - 210 mV @ 25°C

Item #	Size	Pkg Type	Qty	List
5464.5-16*RC	500mL	Amb glass	1/ea	$69.05
5464.5-32*RC	1L	Amb glass	1/ea	$171.34
5464.5-1*RC	4L	Amb glass	1/ea	$236.05

ORP Standard, +600 mV vs. Ag/AgCl (4M KCl sat. with AgCl Filling Solution)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ferric Ammonium Sulfate Dodecahydrate	7783-83-7	ACS
Sulfuric Acid	7664-93-9	ACS
Ferrous Ammonium Sulfate Hexahydrate	7783-85-9	ACS

Test	Specification
Appearance	Amb liquid
Oxidation-Reduction Potential (ORP)	590 - 610 mV @ 25°C

Item #	Size	Pkg Type	Qty	List
5464.6-16*RC	500mL	Amb glass	1/ea	$76.46

Orthophosphate Standard 1000 ppm P

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dihydrogen Phosphate	7778-77-0	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Phosphorus (P)	995 - 1005 ppm	3139

Item #	Size	Pkg Type	Qty	List
R5835000-120A*RC	120mL	Natural poly	1/ea	$164.38

Oxalic Acid

ACS Reagent Grade, Crystal
CAS# 6153-56-6
Corrosive Solid, Acidic, Organic, n.o.s. (Oxalic Acid, Dihydrate), 8, UN1759, PG III

Test	Specification	Test	Specification
Appearance	Colorless crystalline solid	Iron (Fe)	2 ppm max
Assay	99.5- 102.5% min	Chloride (Cl)	0.002% max
Sulfate (SO_4)	0.005% max	Calcium (Ca)	0.001% max
Residue after Ignition	0.01% max	Nitrogen Compounds (as N)	0.001% max
Heavy Metals (as Pb)	5 ppm max	Insoluble Matter	0.005% max

Item #	Size	Pkg Type	Qty	List
O9501-500*AQ	500g	n/a	1/ea	$108.31

Oxalic Acid Dihydrate

ACS Reagent Grade
CAS# 6153-56-6
Corrosive Solid, Acidic, Organic, n.o.s. (Oxalic Acid, Dihydrate), 8, UN3261, PG III

Test	Specification	Test	Specification
Assay	99.5 - 102.5%	Iron (Fe)	max 2 ppm
Calcium (Ca)	max 0.001%	Nitrogen Compounds (as N)	max 0.001%
Chloride (Cl)	max 0.002%	Residue after Ignition	max 0.01%
Heavy Metals (as Pb)	max 5 ppm	Subs. Darkened by Hot Sulfuric Acid	To pass test
Insoluble Matter	max 0.005%	Sulfate (SO_4)	max 0.005%

Item #	Size	Pkg Type	Qty	List
RDCO0200-500B1*RC	500g	Poly	1/ea	$191.44

p-Naphtholbenzein Indicator 1% (w/v) in Titration Solvent

Flammable Liquids, n.o.s. (Toluene, Isopropanol), 3, UN1993, PG II

Name	CAS#	Grade
Toluene	108-88-3	ACS
Isopropyl Alcohol	67-63-0	ACS
Water	7732-18-5	ACS/ASTM/USP/EP
p-Naphtholbenzein	145-50-6	Reagent

Test	Specification
Appearance	Dark red liquid
Suitability for Use	Yellow - Orange to Green/Green-Brown (Acidic) - Green/Brown to Orange (Basic)

Specification	Reference
p-Naphtholbenzein Indic. Soln.	ASTM (D 3242), ASTM (D 3339)
p-Naphtholbenzein Indic. Soln.	ASTM (D 974), ASTM (D 3242)
Naphtholbenzein Indic. Soln.	ASTM (D 974)

Item #	Size	Pkg Type	Qty	List
5225-4*RC	120mL	Amb glass	1/ea	$92.44
5225-16*RC	500mL	Amb glass	1/ea	$184.06

P-Xylene
Reagent Grade
CAS# 106-42-3
Xylenes, 3, UN1307, PG III

Test	Specification	Test	Specification
Appearance	Clear, liquid	Form	Clear liquid
Assay (GC)	> 98%	Infrared Spectrum	Conforms
Color(APHA)	< 10		

Item #	Size	Pkg Type	Qty	List
X7515-1*AQ	1L	n/a	1/ea	$252.03

Palladium AA Standard 1,000 ppm Pd in 3% HCl
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	Trace Metals
Nitric Acid	7697-37-2	Trace Metals
Palladium	7440-05-3	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Brown liquid	
Palladium (Pd)	995 - 1005 ppm	3138

Item #	Size	Pkg Type	Qty	List
APD1KH-100*RC	100mL	Natural LDPE	1/ea	$214.15

PAN Indicator 0.3% (w/v) in Reagent Alcohol
Ethanol Solutions, 3, UN1170, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	ACS
Isopropyl Alcohol	67-63-0	ACS
Methyl Alcohol	67-56-1	ACS
1,2-Pyridylazo-2-naphthol	85-85-8	Indicator

Test	Specification
Appearance	Amb liquid
Suitability for Use	Deep red (Uncomplexed Copper Ions) - Yellow (excess EDTA)

Item #	Size	Pkg Type	Qty	List
5487.3-4*RC	120mL	Amb glass	1/ea	$92.95

Paraffin Wax (Household Type)
CAS# 8002-74-2
Not-Regulated

Item #	Size	Pkg Type	Qty	List
P0720-454*AQ	454g	n/a	1/ea	$28.05

Perchloric Acid 0.100 N (N/10) in Glacial Acetic Acid
Acetic Acid Solution, 8 (3), UN2789, PG II

Name	CAS#	Grade
Acetic Acid	64-19-7	ACS
Water	7732-18-5	ACS
Perchloric Acid	7601-90-3	ACS
Acetic Anhydride	108-24-7	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to light yellow liquid	
Assay (vs. Potassium Hydrogen Phthalate/Crystal Violet)	0.0999 - 0.1001 N @ 20°C	84
Water (H_2O)	0.020 - 0.050% (w/w)	

Specification	Reference
Perchloric Acid, Std. Soln. in Acetic Acid (0.1 N)	ASTM (D 2896)
Acetous Perchloric Acid, 0.1 N	ASTM (E 200)
Perchloric Acid in Glacial Acetic Acid, 0.1 N Vs	ACS (N/A)
Perchloric Acid, Tenth-N (0.1 N) Vs (in Glacial Acetic Acid) Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
5515-32*RC	1L	Amb glass	1/ea	$159.82

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Perchloric Acid
FOXPURE® InstraPure
CAS# 7601-90-3
Perchloric Acid with more than 50 percent but not more than 72 percent acid, by mass, 5.1, UN1873, PG I

Test	Specification	Test	Specification
Assay ($HClO_4$, w/w)	65 - 71%	Color (APHA)	10

Analyte / Trace Impurities (in ng/g, ppb)

Al	1	Gd	0.5	Ni	1	Tb	0.5
Sb	0.5	Ga	0.5	Nb	Info Only	Tl	0.5
As	0.5	Au	0.5	Pd	0.5	Th	1
Ba	1	Hf	Info Only	Pt	0.5	Tm	0.5
Be	0.5	Ho	0.5	K	1	Sn	1
Bi	0.5	In	0.5	Pr	0.5	Ti	1
Cd	1	Fe	1	Rh	0.5	W	Info Only
Ca	1	La	0.5	Rb	0.5	U	0.5
Ce	0.5	Pb	1	Sm	0.5	V	0.5
Cs	0.5	Li	0.5	Sc	0.5	Yb	0.5
Co	0.5	Lu	0.5	Ag	1	Y	0.5
Cu	0.5	Mg	1	Na	1	Zn	1
Dy	0.5	Mn	1	Sr	0.5	Zr	0.5
Er	0.5	Mo	0.5	Ta	Info Only		
Eu	0.5	Nd	0.5	Te	0.5		

Item #	Size	Pkg Type	Qty	List
P300-2*FX	500mL	Poly	1/ea	$683.68
P300-3*FX	2.5L	Poly	1/ea	$1743.20

Perchloric Acid Titrant 0.1 N Acetous
N.I.S.T. Traceable
Corrosive Liquid, n.o.s. (Acetic Acid), 8, UN1760, PG II

Test	Specification	Test	Specification
Actual Normality	0.1000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid
KF	0.02 - 0.05% H_2O (200 - 500 ppm)		

Item #	Size	Pkg Type	Qty	List
6600-1*AQ	1L	n/a	1/ea	$96.55
6600-4*AQ	4L	n/a	1/ea	$213.94

Petroleum Ether
ACS Reagent Grade
CAS# 8032-32-4
Petroleum Distillates, n.o.s. (Petroleum Ether), UN1268, 3, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Color (APHA)	10 max
Residue after Evap.	10 ppm max	Doctor Test	Negative
Sulfur	5 ppm max	Copper Corrosion	Passes test
Benzene	2 ppm max	Acidity	Passes test

Item #	Size	Pkg Type	Qty	List
P1924-4*AQ	4L	n/a	1/ea	$247.90
P1924-20*AQ	20L	n/a	1/ea	$583.97

pH Buffer Reference Standard pH 12.45 ± 0.01 @ 25°C
Not-Regulated

°C	15	20	25	30	35	40
pH	12.81	12.62	12.45	12.27	12.11	11.96

Name	CAS#	Grade
Water	7732-18-5	ACS
Potassium Chloride	7447-40-7	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
pH @ 25°C (Method: SQCP027, SQCP033)	12.440 - 12.460	0.02	186-I-g, 186-II-g, 191d

Item #	Size	Pkg Type	Qty	List
1618-20*RC	20mL	Pack	20/pk	$166.27

pH Test Strips 0 - 14
Not-Regulated

Test	Specification
Suitability for Use	Correct color development verified

Item #	Size	Pkg Type	Qty	List
8880-1*RC	n/a	Box	100/bx	$46.27

Phenol
ACS Reagent Grade, Loose Crystals
CAS# 108-95-2
Phenol, Solid, 6.1, UN1671, PG II

Test	Specification	Test	Specification
Assay	99.0% - min	Water	0.5% max
Freezing Point (°C)	40.5°C - min	Stabilizer (H3PO2) (%)	0.15% max
Residue after Evap.	0.05% max		

Item #	Size	Pkg Type	Qty	List
58152*GF	500g	n/a	1/ea	$178.94

Phenol Standard 1,000 ppm
Not-Regulated

Test	Specification	Test	Specification
PPM Phenol	1,000.0 +/- 10.0 ppm Phenol	Appearance & Color	Clear water white liquid
pH	pH 6.8 Yellow - 8.2 Red		

Item #	Size	Pkg Type	Qty	List
6720-100*AQ	100mL	n/a	1/ea	$45.12

Phenol Standard 1000 ppm C_6H_5OH (0.100% (w/w))
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Phenol	108-95-2	USP

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Thiosulfate & Bromate-Bromide)	995 - 1005 ppm Phenol	136

Specification	Reference
Stock Phenol Soln.	APHA (5530 C), EPA (SW-846) (9065), EPA (420.1)
Stock Phenol	EPA (SW-846) (9066)
Phenol Soln., Stock	ASTM (D 1783 A & B)

Item #	Size	Pkg Type	Qty	List
5740-4*RC	120mL	Amb glass	1/ea	$62.13

Phenolphthalein
ACS Reagent Grade, Powder
CAS# 77-09-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White to off-white powder	Arsenic (As)	8 ppm max
Assay	97 - 101.0%	Heavy Metals (as Pb)	0.0015% max
Clarity of Alcohol Soln.	Passes test	Organic Volatile Impurities	Passes test
Visual Transition Interval	Conforms	Chromatographic Impurity <1.0%	Passes test
Loss on Drying	1.0% max	Fluoran	Passes test
Residue on Ignition	0.1% max		

Item #	Size	Pkg Type	Qty	List
P1990-30*AQ	30g	n/a	1/ea	$26.15
P1990-500*AQ	500g	n/a	1/ea	$216.68

Phenolphthalein
Laboratory Grade, Powder
CAS# 77-09-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White to off-white powder	Arsenic (As)	8 ppm max
Assay	97 - 101.0%	Heavy Metals (as Pb)	0.0015% max
Clarity of Alcohol Soln.	Passes test	Organic Volatile Impurities	Passes test
Visual Transition Interval	pH 8.0 (Colorless) to pH 10.0 (Red)	Chromatographic Impurity	< 1.0%
Loss on Drying	1.0% max	Fluoran	Passes test
Residue on Ignition	0.1% max		

Item #	Size	Pkg Type	Qty	List
P1991-500*AQ	500g	n/a	1/ea	$168.51

Phenolphthalein 1% w/v in Isopropanol
Flammable Liquid, n.o.s. (Isopropanol), 3, UN1993, PG II

Test	Specification	Test	Specification
Calculated w/v% Phenolphthalein	0.98 - 1.02	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6663-500*AQ	500mL	n/a	1/ea	$34.31

Phenolphthalein Indicator 0.5% (w/v) in 50% (v/v) Alcohol, Neutralized
Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Phenolphthalein	77-09-8	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification
Appearance	Colorless to slightly pink liquid
Suitability for Use	Colorless (pH 8.0) - Pink (pH 10.0)

Specification	Reference
Phenolphthalein Indic. Soln. (5 g/L)	ASTM (D 287 M), ASTM (D 515 A), ASTM (D 1067 B)
Phenolphthalein Indic. Soln. (5 g/L)	ASTM (D 1067 C), ASTM (D 2187 E), ASTM (D 2187 F)
Phenolphthalein Indic. Soln. (5 g/L)	ASTM (D 2187 G), ASTM (D 2187 H), ASTM (D 4548)
Phenolphthalein Indic. Soln. (5 g/L)	EPA (365.1), ASTM (D 2187 I), ASTM (D 2330)
Phenolphthalein Indic. Soln. (5 g/L)	ASTM (D 2187 J), ASTM (D 2187 K)
Phenolphthalein Indic. Soln.	ASTM (D 3590 A), APHA (311 B), APHA (4500-Cl- B)
Phenolphthalein Indic. Soln.	APHA (7500-Ra B), EPA (425.1), ASTM (D 1425)
Phenolphthalein Indicator	APHA (407 B)
Phenolphthalein Indic. Soln., Alcoholic	APHA (5570 C)
Phenolphthalein Soln., Alcoholic, pH 8.3 Indicator	APHA (2320 B), APHA (2310 B)

Item #	Size	Pkg Type	Qty	List
5600-4*RC	120mL	Natural poly	1/ea	$38.44
5600-16*RC	500mL	Natural poly	1/ea	$53.49
5600-32*RC	1L	Natural poly	1/ea	$83.52

Phenolphthalein Indicator 1% (w/v) in 70% (v/v) Alcohol, Neutralized
Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Water	7732-18-5	ACS/ASTM/USP/EP
Methyl Alcohol	67-56-1	Reagent
Phenolphthalein	77-09-8	ACS

Test	Specification
Appearance	Colorless to slightly pink liquid
Suitability for Use	Colorless (pH 8.0) - Pink (pH 10.0)

Item #	Size	Pkg Type	Qty	List
5618-16*RC	500mL	Natural poly	1/ea	$70.48

Phenolphthalein Solution 0.5% in 50% IPA
Flammable Liquid, n.o.s. (Isopropanol), 3, UN1993, PG III

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6640-1*AQ	1L	n/a	1/ea	$39.55

Phenolphthalein TS/RS 1% (w/v) Alcoholic
Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Phenolphthalein	77-09-8	ACS

Test	Specification
Appearance	Colorless to slightly yellow liquid
Suitability for Use	Colorless (pH 8.0) - Pink (pH 10.0)

Specification	Reference
Phenolphthalein Indicator RS	ACS (N/A)
Phenolphthalein TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
5622-100*RC	100mL	Natural poly	1/ea	CALL
5622-16*RC	500mL	Natural poly	1/ea	$65.43

Phenolphthalein 1% (w/v) in 50% (v/v) Isopropyl Alcohol Neutralized

Alcohols, n.o.s. (Isopropanol), 3, UN1987, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Isopropyl Alcohol	67-63-0	ACS/USP
Sodium Hydroxide	1310-73-2	Reagent
Phenolphthalein	77-09-8	ACS

Test	Specification
Appearance	Colorless to slightly pink liquid
Suitability for Use	Colorless (pH 8.0) - Pink (pH 10.0)

Item #	Size	Pkg Type	Qty	List
5625-32*RC	1L	Natural poly	1/ea	$94.95

Phenolphthalein Indicator 1% (w/v) in 95% (v/v) Alcohol, Neutralized

Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Water	7732-18-5	ACS/ASTM/USP/EP
Methyl Alcohol	67-56-1	Reagent
Phenolphthalein	77-09-8	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification
Appearance	Colorless to slightly pink liquid
Suitability for Use	Colorless (pH 8.0) - Pink (pH 10.0)

Specification	Reference
Phenolphthalein Indic. Soln. (10 g/L)	ASTM (D 512 B), ASTM (E 200)
Phenolphthalein Indicator	TAPPI (T 625 cm-85), TAPPI (T 607 cm-84), TAPPI (T 602 cm-97)
Phenolphthalein Indic. Soln.	TAPPI (T 621 cm-71), EPA (SW-846) (9253), ASTM (D 1093)
Phenolphthalein	TAPPI (T 610 sp-97)
Phenolphthalein, 1% Alcoholic Soln.	ASTM (D 2619)

Item #	Size	Pkg Type	Qty	List
5620-4*RC	120mL	Natural poly	1/ea	$43.91
5620-16*RC	500mL	Natural poly	1/ea	$58.96
5620-32*RC	1L	Natural poly	1/ea	$92.41
5620-1*RC	4L	Natural poly	1/ea	$250.76

Phenolphthalein Solution 1% in 95% Ethanol

Flammable Liquid, n.o.s. (Denatured Alcohol), 3, UN1993, PG II

Test	Specification	Test	Specification
pH	pH 8.0 (Colorless) to 10.0 (Pink)	Appearance & Color	Slight yellow liquid

Item #	Size	Pkg Type	Qty	List
P1997-100*AQ	100mL	n/a	1/ea	$22.4
P1997-500*AQ	500mL	n/a	1/ea	$39.28
P1997-1*AQ	1L	n/a	1/ea	$59.52
P1997-4*AQ	4L	n/a	1/ea	$114.35

Phenolphthalein Solution 2% w/v in Methanol

Flammable Liquid, n.o.s. (Methanol), 3, UN1993, PG II

Test	Specification	Test	Specification
Actual Assay	2.00 =- 0.03% w/v Phenolphthalein	pH	pH 8.0 Clear - pH 10.0 Pink
Appearance & Color	Clear water white liquid		

Item #	Size	Pkg Type	Qty	List
6659-1*AQ	1L	n/a	1/ea	$61.23

Phenolphthalein 2% in 95% EtOH

Ethanol Solutions, 3, UN1170, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	USP
Water	7732-18-5	USP
Phenolphthalein	77-09-8	ACS

Test	Specification
Appearance	Clear, colorless

Item #	Size	Pkg Type	Qty	List
R5630000-500C*RC	500mL	Amb glass	1/ea	$174.13

Phenylarsine Oxide (PAO) Titrant 0.00564 N Stabilized, 1 mL = 0.2 mg Cl_2

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	ACS
Phenylarsine Oxide	637-03-6	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to light tan liquid	
Assay (vs. Iodine/Starch)	0.005635 - 0.005645 N	136

Specification	Reference
Std. Phenylarsine Oxide Titrant	APHA (4500-ClO2 C), APHA (4500-Cl D)
Std. Phenylarsine Oxide Soln., 0.00564 N	APHA (4500-Cl C)
Std. Phenylarsine Oxide, 0.00564 N	APHA (4500-ClO2 E)
Phenylarsine Oxide Soln. (0.00564 N)	EPA (330.1), EPA (330.2)
Phenylarsine Oxide (0.00564 N)	EPA (330.3)
Phenylarsine Oxide, Soln. Std. (0.00564 N)	ASTM (D 1253)

Item #	Size	Pkg Type	Qty	List
5750-32*RC	1L	Amb glass	1/ea	$242.84
5750-1*RC	4L	Amb glass	1/ea	$555.58

Phenylarsine Oxide Titrant 0.00564N

APHA for Chlorine

Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.00564 +/- 0.00005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6740-1*AQ	1L	n/a	1/ea	$147.79
6740-4*AQ	4L	n/a	1/ea	$398.74

Phenylarsine Oxide (PAO) Titrant 0.0250 N (N/40) Stabilized

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	ACS
Phenylarsine Oxide	637-03-6	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to light tan liquid	
Assay (vs. Sodium Thiosulfate/Starch)	0.02498 - 0.02502 N @ 20°C	136

Specification	Reference
Phenylarsine Oxide Soln. (0.025 N)	ASTM (D 888 A)
Std. Phenylarsine Oxide (PAO) Soln. (0.025 N)	EPA (SW-846) (9031), EPA (SW-846) (9034)
Phenylarsine Oxide, 0.0250 N	EPA (376.1)

Item #	Size	Pkg Type	Qty	List
5755-16*RC	500mL	Amb glass	1/ea	$222.01

Phenylarsine Oxide (PAO) Titrant 0.0375 N Stabilized

Arsenic Compound, Liquid, n.o.s. (Phenylarsine Oxide), 6.1, UN1556, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Phenylarsine Oxide	637-03-6	Reagent
Sodium Hydroxide	1310-73-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Light yellow liquid	
Assay (vs. Sodium Thiosulfate/Starch)	0.03748 - 0.03752 N @ 20°C	136

Specification	Reference
Phenylarsine Oxide (0.0375 N)	EPA (320.1), EPA (330.3), EPA (345.1)
Phenylarsine Oxide Titrant, 0.0375 N	EPA (360.2)

Item #	Size	Pkg Type	Qty	List
5760-16*RC	500mL	Amb glass	1/ea	$353.20
5760-32*RC	1L	Amb glass	1/ea	$670.82

Phosphate Buffer Solution
APHA for Residual Chlorine DPD Method
Not-Regulated

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6780-4*AQ	4L	n/a	1/ea	$225.31

Phosphate Buffer Solution for Chlorine Determination (DPD Methods)
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Sodium Phosphate Dibasic	7558-79-4	ACS
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS
Mercuric Chloride	7487-94-7	ACS

Test	Specification
Appearance	Colorless liquid
Suitability for Use	Pink to red color in the presence of Chlorine

Specification	Reference
Phosphate Buffer Soln.	APHA (4500-ClO2 D), APHA (4500-Cl F), APHA (4500-Cl G)
Phosphate Buffer Soln.	EPA (330.4), EPA (330.5)

Item #	Size	Pkg Type	Qty	List
5805-32*RC	1L	Natural poly	1/ea	$102.29
5805-1*RC	4L	Natural poly	1/ea	$308.57

Phosphate Buffer pH 7 for Residual Chlorine & Chlorine Dioxide (Amperometric)
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Sodium Phosphate Dibasic	7558-79-4	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	6.65 - 6.75	185i, 186-I-g, 186-II-g

Specification	Reference
Phosphate Buffer Soln., pH 7	APHA (4500-ClO2 C), APHA (4500-Cl D), APHA (4500-ClO2 E)

Item #	Size	Pkg Type	Qty	List
5803-16*RC	500mL	Natural poly	1/ea	$108.28
5803-32*RC	1L	Natural poly	1/ea	$164.39
5803-1*RC	4L	Natural poly	1/ea	$465.90

Phosphate Buffer pH 7.0
ASTM D 1094
Not-Regulated

Test	Specification	Test	Specification
Actual pH	6.85 - 7.15	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6750-1*AQ	1L	n/a	1/ea	$99.53

Phosphate Buffer Solution pH 7
ASTM for Chlorine
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	6.95 - 7.05	186-I-g, 186-II-g, 191d

Specification	Reference
pH 7.0 Buffer Soln.	ASTM (D 1253)

Item #	Size	Pkg Type	Qty	List
5808-16*RC	500mL	Natural poly	1/ea	$75.09

Phosphate Buffer Solution pH 7.2
APHA for BOD
Not-Regulated

Test	Specification	Test	Specification
Actual pH	7.200 +/- 0.050	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6760-1*AQ	1L	n/a	1/ea	$48.26

Phosphate Buffer pH 7.2 for Biochemical Oxygen Demand (BOD)
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Phosphate, Dibasic	7758-11-4	ACS
Sodium Phosphate Dibasic	7558-79-4	ACS
Potassium Dihydrogen Phosphate	7778-77-0	ACS
Ammonium Chloride	12125-02-9	ACS
Phosphoric Acid	7664-38-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	7.15 - 7.25	186-I-g, 186-II-g, 191d

Specification	Reference
Phosphate Buffer Soln.	APHA (5210 B)

Item #	Size	Pkg Type	Qty	List
5800-32*RC	1L	Natural poly	1/ea	$100.14

Phosphate Standard 10 ppm PO_4^{3-}
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dihydrogen Phosphate	7778-77-0	High Purity

Test	Specification
Appearance	Colorless liquid
Phosphate (PO_4)	9.95 - 10.05 ppm

Item #	Size	Pkg Type	Qty	List
R5826110-500A*RC	500mL	Natural poly	1/ea	$242.73

Phosphate Phosphorus Standard 50 ppm P (153 ppm PO_4^{3-})
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dihydrogen Phosphate	7778-77-0	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Phosphorus (P)	49.75 - 50.25 ppm	3139

Specification	Reference
Stock Soln. (1.0 mL = 0.05 mg Phosphorus)	ASTM (D 515 A)
Std. Phosphate Soln.	APHA (4500-P C), APHA (4500-P D)
Stock Phosphate Soln.	APHA (4500-P E)
Stock Phosphorus Soln., 1 mL = 0.05 mg P	EPA (365.2)

Item #	Size	Pkg Type	Qty	List
5830-16*RC	500mL	Natural poly	1/ea	$101.18

Phosphate Standard 100 ppm as PO_4
Analytical Reference Standard
Not-Regulated

Test	Specification	Test	Specification
Actual PPM	100.0 +- 0.5 ppm Phosphate (PO_4)	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6825-500*AQ	500mL	n/a	1/ea	$75.83

Phosphate Standard 1000 ppm PO_4^{3-} (326 ppm P)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dihydrogen Phosphate	7778-77-0	High Purity

Test	Specification
Appearance	Colorless liquid
Phosphate (PO_4)	995 - 1005 ppm

Specification	Reference
Phosphate Soln. Stock (1.00 mL = 1.00 mg PO4)	ASTM (D 5542), ASTM (D 5996)
Std. Phosphate Soln., 1000 mg/L	APHA (4110 B)
Phosphate Stock Soln. (1.00 mL = 1.00 mg $PO4^{3-}$)	EPA (SW-846) (9056)

Item #	Size	Pkg Type	Qty	List
5839-16*RC	500mL	Natural poly	1/ea	$102.48

Phosphomolybdic Acid

ACS Reagent Grade
CAS# 51429-74-4
Oxidizing Solid, Corrosive, n.o.s. (Phosphomolybdic Acid), 5.1 (8), UN3085, PG III

Test	Specification	Test	Specification
Insoluble	0.01% max	Calcium	0.02% max
Chloride	0.02% max	Heavy Metals (Pb)	0.005% max
Sulfate	0.025% max	Iron	0.005% max
Ammonium	0.01% max		

Item #	Size	Pkg Type	Qty	List
59553*GF	500g	n/a	1/ea	$1021.09

Phosphoric Acid 20% v/v

Phosphoric Acid Solution, 8, UN1805, PG III

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6865-1*AQ	1L	n/a	1/ea	$55.55

Phosphoric Acid 75% (v/v)

Phosphoric Acid Solution, 8, UN1805, PG III

Name	CAS#	Grade
Phosphoric Acid	7664-38-2	ACS
Water	7732-18-5	ACS/ASTM/USP/EP

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Thymolphthalein)	74.6 - 75.4% (v/v)	84

Item #	Size	Pkg Type	Qty	List
5855-1*RC	4L	Natural poly	1/ea	$828.52

Phosphoric Acid 85% w/w

ACS Reagent Grade
CAS# 7664-38-2
Phosphoric Acid, 8, UN1805, PG III

Test	Specification	Test	Specification
Appearance	Clear viscous liquid	Assay	85.0% min
Insoluble Matter	0.001% max	Potassium (K)	0.005% max
Chloride (Cl)	3 ppm max	Sodium (Na)	0.025% max
Nitrate (NO_3)	5 ppm max	Arsenic (As)	1 ppm max
Sulfate (SO_4)	0.003% max	Heavy Metals (as Pb)	0.001% max
Volatile Acids (as CH_3COOH)	0.001% max	Iron (Fe)	0.003% max
Antimony (Sb)	0.002% max	Manganese (Mn)	0.5 ppm max
Calcium (Ca)	0.0025 max	APHA Color	10 max
Magnesium (Mg)	0.002% max		

Item #	Size	Pkg Type	Qty	List
P2380-500*AQ	500mL	n/a	1/ea	$96.33
P2380-2.5(PVC)*AQ	2.5L	PVC	1/ea	$291.27
P2380-2.5*AQ	2.5L	n/a	1/ea	$281.26

Phosphorus ICP Standard 1,000 ppm P in 3% HNO_3

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Ammonium Dihydrogen Phosphate	7722-76-1	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Phosphorus (P)	995 - 1005 ppm	3139

Item #	Size	Pkg Type	Qty	List
PP1KN-100*RC	100mL	Natural LDPE	1/ea	$84.14

Phosphorus Standard 1,000 ppm P

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dihydrogen Phosphate	7778-77-0	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Phosphorus (P)	99.7 - 100.3 ppm	3139

Item #	Size	Pkg Type	Qty	List
5856.5-16*RC	500mL	Natural poly	1/ea	$165.81

Phosphorus Standard 1,000 ppm P

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Dihydrogen Phosphate	7778-77-0	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Phosphorus (P)	995 - 1005 ppm	3139

Item #	Size	Pkg Type	Qty	List
5839.1-4*RC	120mL	Natural poly	1/ea	$38.15
5839.1-16*RC	500mL	Natural poly	1/ea	$147.67

Picric Acid, Saturated, approximately 1.2% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Picric Acid	88-89-1	ACS

Test	Specification
Appearance	Yellow liquid

Item #	Size	Pkg Type	Qty	List
5860-16*RC	500mL	Natural poly	1/ea	$106.51

Picric Acid 4% (w/v) in Denatured Ethanol (Reagent Alcohol)

Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	ACS
Isopropyl Alcohol	67-63-0	ACS
Methyl Alcohol	67-56-1	ACS
Picric Acid	88-89-1	ACS
Water	7732-18-5	ACS

Test	Specification
Appearance	Yellow liquid

Item #	Size	Pkg Type	Qty	List
5860.7-32*RC	1L	Natural poly	1/ea	$173.84

Glove Boxes

Platinum AA Standard 1,000 ppm Pt in 3% HCl

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	Trace Metals
Nitric Acid	7697-37-2	Trace Metals
Platinum	7440-06-4	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Yellow liquid	
Platinum (Pt)	995 - 1005 ppm	3140

Item #	Size	Pkg Type	Qty	List
APT1KH-100*RC	100mL	Natural LDPE	1/ea	$310.18

Polyphosphate Standard 50 ppm P

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Pyrophosphate Decahydrate	13472-36-1	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Phosphorus (P)	49 - 51 ppm	3139

Item #	Size	Pkg Type	Qty	List
R5836050-1A*RC	1L	Natural poly	1/ea	CALL

Potassium Acid Phthalate Primary Standard

N.I.S.T. Traceable - SRM 84L
ACS Reagent Grade
CAS# 877-24-7
Not-Regulated

Test	Specification	Test	Specification
Assay (Dried Basis)	99.95 - 100.05%	Sulfur Compounds (as S) (%)	0.002% max
Insoluble	0.005% max	Heavy Metals (as Pb)	0.0005% max
pH (0.05 M Soln.)@ 25°C (pH)	4.00 - 4.02 pH	Iron	0.0005% max
Chlorine Compounds (as Cl)(%)	0.003% max	Sodium	0.005% max

Item #	Size	Pkg Type	Qty	List
60001*GF	500g	n/a	1/ea	$139.48

Potassium Acid Phthalate Standard 1,000 ppm Chemical Oxygen Demand (COD)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Acid Phthalate	877-24-7	ACS Acidimetric

Test	Specification
Appearance	Colorless liquid
Chemical Oxygen Demand (COD)	995 - 1005 ppm

Specification	Reference
Potassium Acid Phthalate Soln., Std. (1 mL = 1 mg COD)	ASTM (D 1252 A)
Potassium Acid Phthalate Soln., Std. (1 mL = 1 mg/L)	ASTM (D 1252 B)
Stock Potassium Acid Phthalate	EPA (410.4)

Item #	Size	Pkg Type	Qty	List
5868-16*RC	500mL	Natural poly	1/ea	$64.99

Potassium Antimony Tartrate Trihydrate

ACS Reagent Grade
CAS# 11071-15-1
Antimony Potassium Tartrate, 6.1, UN1551, PG III

Test	Specification	Test	Specification
Arsenic (As)	max 0.015%	Loss on Drying	max 2.7%
Assay	99.0 - 103.0%	Titrable Acid or Base	max 0.020 meq/g

Item #	Size	Pkg Type	Qty	List
RDCP0320-100B1*RC	100g	Poly	1/ea	$346.77

Potassium Antimonyl Tartrate 0.2743% (w/v) (1.3715 g/500 mL)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Antimonyl Tartrate Hemihydrate	28300-74-5	ACS

Test	Specification
Appearance	Colorless liquid

Specification	Reference
Antimony Potassium Tartrate Soln.	APHA (4500-P E), EPA (365.1), EPA (365.2)

Item #	Size	Pkg Type	Qty	List
5872-16*RC	500mL	Natural poly	1/ea	$86.52

Potassium Bi-Iodate 0.025 N

Analytical Reference Standard
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Antimonyl Tartrate Hemihydrate	28300-74-5	ACS

Test	Specification	Test	Specification
Actual Normality	0.0250 +- 0.0003 N	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6895-1*AQ	1L	n/a	1/ea	$54.82

Potassium Bromide, for IR

CAS# 7758-02-3
Not-Regulated

Test	Specification	Test	Specification
Assay	99.0% - min	Calcium	0.002% max
Insoluble	0.005% max	Barium	0.002% max
pH of Soln. @ 25°C (pH)	5.0 - 8.8 pH	Magnesium	0.001% max
Bromate 0.001% max, Iodate(%)	0.001% max	Heavy Metals (by ICP-OES)	0.0005% max
Chloride	0.2% max	Iron	0.0005% max
Iodide	0.001% max	Sodium	0.02% max
Sulfate	0.005% max		

Item #	Size	Pkg Type	Qty	List
60412*GF	100g	n/a	1/ea	$338.46

Potassium Bromide

ACS Reagent Grade
CAS# 7758-02-3
Not-Regulated

Test	Specification	Test	Specification
Assay	min 99.0%	Iodate (IO_3)	max 0.001%
Barium (Ba)	max 0.002%	Iodide (I)	max 0.001%
Bromate (BrO_3)	max 0.001%	Iron (Fe)	max 5 ppm
Calcium (Ca)	max 0.002%	Magnesium (Mg)	max 0.001%
Chloride (Cl)	max 0.2%	pH of 5% Soln.	5.0 - 8.8
Heavy Metals (as Pb)	max 5 ppm	Sodium (Na)	max 0.2%
Insoluble Matter	max 0.005%	Sulfate (SO_4)	max 0.005%

Item #	Size	Pkg Type	Qty	List
RDCP0360-500B1*RC	500g	Poly	1/ea	$196.66

Potassium Bromide

ACS Reagent Grade, Crystal
CAS# 7758-02-3
Not-Regulated

Test	Specification	Test	Specification
Assay	99.0 - 100.5%	Iodate (IO_3)	max 0.001%
Appearance	White crystalline powder	Iodide (I)	max 0.001%
Bromate (BrO_3)	max 0.001%	Barium (Ba)	max 0.002%
Chloride (Cl)	max 0.2%	Sulfate (SO_4)	max 0.005%
Insoluble Matter	max 0.005%		

Item #	Size	Pkg Type	Qty	List
P3143-500*AQ	500g	n/a	1/ea	$162.39

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Potassium Carbonate

ACS Reagent Grade, Granular
CAS# 584-08-7
Not-Regulated

Test	Specification	Test	Specification
Assay	99.0% min	Sulfur Compounds (as SO_4)	max 0.004%
Appearance	White powder	Heavy Metals (as Pb)	max 5 ppm
Insoluble Matter	max 0.01%	Iron (Fe)	max 5 ppm
Silica (SiO_2)	max 0.005%	Calcium (Ca)	max 0.005%
Chloride (Cl)	max 0.003%	Magnesium (Mg)	max 0.002%
Phosphate (PO_4)	max 0.001%	Sodium (Na)	max 0.02%

Item #	Size	Pkg Type	Qty	List
P3258-500*AQ	500g	n/a	1/ea	$107.63

Potassium Carbonate

Laboratory Grade, Granular
CAS# 584-08-7
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline powder	H_2O (moisture)	0.500% max
Total Alkalinity (as K_2CO_3)	99.50% min	Na	0.38% max
KOH	0.200% max	K_2SO_4	75 ppm max
KCl	0.0100% max	Fe	2.00 ppm max

Item #	Size	Pkg Type	Qty	List
P3191-12*AQ	12kg	n/a	1/ea	$195.45

Potassium Chlorate

ACS Reagent Grade
CAS# 3811-04-9
Potassium Chlorate, 5.1, UN1485, PG II

Test	Specification	Test	Specification
Assay	99.0% - min	Iron	0.0003% max
Insoluble Matter	0.005% max	Calcium	0.002% max
Bromate (%)	0.015% max	Magnesium	0.002% max
Chloride	0.001% max	Sodium	0.01% max
Sulfate	Pass test (about 0.002%)	Heavy Metals (by ICP-OES)	0.0005% max

Item #	Size	Pkg Type	Qty	List
60481*GF	500g	n/a	1/ea	$134.09

Potassium Chloride

ACS Reagent Grade
CAS# 7447-40-7
Not-Regulated

Test	Specification	Test	Specification
Assay	99.0 - 100.5%	Sulfate	0.001% max
Insoluble	0.005% max	Barium	Pass test (about 0.001%)
pH of 5% Soln. @ 25°C	5.4 - 8.6 pH	Calcium	0.002% max
Iodide	0.002% max	Magnesium	0.001% max
Bromide	0.01% max	Sodium	0.005% max
Chlorate & Nitrate (as NO3) (%)	0.003% max	Heavy Metals (as Pb)	0.0005% max
Phosphate	0.0005% max	Iron	0.0003% max

Item #	Size	Pkg Type	Qty	List
60501*GF	500g	n/a	1/ea	$80.80
60502*GF	2.5kg	n/a	1/ea	$222.292

Potassium Chloride Conductivity Standard 5 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	4.97 - 5.03 µS/cm	0.26 µS/cm	999

Item #	Size	Pkg Type	Qty	List
5885.05-32*RC	1L	Natural poly	1/ea	$100.63

Potassium Chloride Conductivity Standard 50 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	49.9 - 50.1 µS/cm	0.39 µS/cm	999

Item #	Size	Pkg Type	Qty	List
5886.5-32*RC	1L	Natural poly	1/ea	$63.28

Potassium Chloride Conductivity Standard 500 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	499 - 501 µS/cm	3 µS/cm	999

Item #	Size	Pkg Type	Qty	List
5887.5-32*RC	1L	Natural poly	1/ea	$97.62

Potassium Chloride Conductivity Standard 7000 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	6990 - 7010 µS/cm	42 µS/cm	999

Item #	Size	Pkg Type	Qty	List
5888.07-1*RC	4L	Natural poly	1/ea	$758.30

Potassium Chloride Conductivity Standard 10,000 µS/cm (10 mS/cm) @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	9990 - 10010 µS/cm	62 µS/cm	999

Item #	Size	Pkg Type	Qty	List
5888.10-16*RC	500mL	Natural poly	1/ea	$64.99
5888.10-32*RC	1L	Natural poly	1/ea	$126.90

Potassium Chloride Conductivity Standard 12,880 µS/cm (12.88 mS/cm) @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	12.87 - 12.89 mS/cm	0.078 mS/cm	999

Item #	Size	Pkg Type	Qty	List
5888.13-16*RC	500mL	Natural poly	1/ea	$79.43

Potassium Chloride Conductivity Standard 1400 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	1399 - 1401 µS/cm	8.5 µS/cm	999

Item #	Size	Pkg Type	Qty	List
5888.14-1*RC	4L	Natural poly	1/ea	$260.34

Potassium Chloride Conductivity Standard 1500 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	1499 - 1501 µS/cm	9.1 µS/cm	999

Item #	Size	Pkg Type	Qty	List
5888.15-32*RC	1L	Natural poly	1/ea	$64.43

Potassium Chloride Conductivity Standard 1800 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	1790 - 1810 µS/cm	11 µS/cm	999

Item #	Size	Pkg Type	Qty	List
5888.180-32*RC	1L	Natural poly	1/ea	$72.94

Potassium Chloride Conductivity Standard 2000 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	1990 - 2010 µS/cm	12 µS/cm	999

Item #	Size	Pkg Type	Qty	List
5888.25-32*RC	1L	Natural poly	1/ea	$104.60

Potassium Chloride Conductivity Standard 5000 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	4.99 - 5.01 mS/cm	0.03 mS/cm	999

Item #	Size	Pkg Type	Qty	List
5888.43-32*RC	1L	Natural poly	1/ea	$114.23
5888.43-5*RC	20L	Cubitainer®	1/ea	$340.86

Potassium Chloride Conductivity Standard 25,000 µS/cm (25 mS/cm) @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	24900 - 25100 µS/cm	150 µS/cm	999

Item #	Size	Pkg Type	Qty	List
5888.6-32*RC	1L	Natural poly	1/ea	$69.79
5888.6-1*RC	4L	Natural poly	1/ea	$243.24

Potassium Chloride Conductivity Standard 50,000 µS/cm (50 mS/cm) @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	49900 - 50100 µS/cm	300 µS/cm	999

Item #	Size	Pkg Type	Qty	List
5889-32*RC	1L	Natural poly	1/ea	$69.18

Potassium Chloride, 0.0100 M (M/100) 1412 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	1411 - 1413 µS/cm	8.6 µS/cm	999

Specification	Reference
Std. Potassium Chloride Soln., 0.0100 M	APHA (2510 B), EPA (120.1)
Potassium Chloride Soln.	TAPPI (T 252 om-98)
Std. Potassium Chloride (0.0100 M)	EPA (SW-846) (9050A)

Item #	Size	Pkg Type	Qty	List
5890-16*RC	500mL	Natural poly	1/ea	$62.43
5890-32*RC	1L	Natural poly	1/ea	$119.80

Potassium Chloride Reference Solution C 1408.8 µS/cm @ 25°C, 0.01 M

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	1408 - 1410 µS/cm	8.5 µS/cm	999

Specification	Reference
Potassium Chloride Reference Soln. C	ASTM (D 1125)

Item #	Size	Pkg Type	Qty	List
5895-32*RC	1L	Natural poly	1/ea	$106.79

Potassium Chloride

Potassium Chloride 3 M, Filling Solution for ROSS pH Combination & Reference Electrodes

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification	Test	Specification
Appearance	Colorless liquid	Assay (by Refractive Index)	2.93 - 3.07 M

Specification	Reference
Potassium Chloride, Aqueous (3.0 M)	ASTM (D 94 B)

Item #	Size	Pkg Type	Qty	List
5899-4*RC	120mL	Natural poly	1/ea	$35.25
5899-16*RC	500mL	Natural poly	1/ea	$75.03
5899-32*RC	1L	Natural poly	1/ea	$114.58

Potassium Chloride 3 M, Saturated with Silver Chloride Electrode Filling Solution

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Silver Nitrate	7761-88-8	ACS

Test	Specification
Appearance	Colorless liquid

Item #	Size	Pkg Type	Qty	List
5918-4*RC	120mL	Natural poly	1/ea	CALL

Potassium Chloride, Saturated, approximately 4 M

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Specification	Reference
Potassium Chloride Electrolyte	ASTM (D 664), ASTM (D 974), ASTM (D 3242)

Item #	Size	Pkg Type	Qty	List
5900-16*RC	500mL	Natural poly	1/ea	$51.47

Potassium Chloride 4 M, Saturated with Silver Chloride Electrode Filling Solution

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Silver Nitrate	7761-88-8	ACS

Test	Specification	Test	Specification
Appearance	Colorless liquid	Suitability for Use	Passes test

Item #	Size	Pkg Type	Qty	List
5920-4*RC	120mL	Natural poly	1/ea	$49.96
5920-16*RC	500mL	Natural poly	1/ea	$80.34

Potassium Chloride Saturated Solution

For Calomel Electrodes

Not-Regulated

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6940-100*AQ	100mL	n/a	1/ea	$22.13
6940-500*AQ	500mL	n/a	1/ea	$32.87

Potassium Chloride 3 M Aqueous Solution

N.I.S.T. Traceable

Not-Regulated

Test	Specification	Test	Specification
Actual Molarity	3.00 +- 0.02 M	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6959-500*AQ	500mL	n/a	1/ea	$36.15

Potassium Chloride

ACS Reagent Grade

CAS# 7447-40-7

Not-Regulated

Test	Specification	Test	Specification
Appearance	Crystalline white solid	Heavy Metals (as Pb)	max 5 ppm
Assay	99.0 - 100.5%	Iron (Fe)	max 3 ppm
pH of a 5% Soln.	5.4 - 8.6	Calcium (Ca)	max 0.002%
Insoluble Matter	max 0.005%	Magnesium (Mg)	max 0.001%
Iodide (I)	max 0.002%	Sodium (Na)	max 0.005%
Bromide (Br)	max 0.01%	Acidity or Alkalinity	To pass test
Chlorate & Nitrate (as NO_3)	max 0.003%	Loss on Drying (105°C/2hr)	max 1.0%
Phosphate (PO_4)	max 5 ppm	Calcium & Magnesium	To pass test
Sulfate (SO_4)	max 0.001%	Organic Volatile Impurities	To pass test
Barium (Ba)	To pass test		

Item #	Size	Pkg Type	Qty	List
P3550-500*AQ	500g	n/a	1/ea	$71.85
P3550-12*AQ	12kg	n/a	1/ea	$430.15

Potassium Chloride

ACS Reagent Grade

CAS# 7447-40-7

Not-Regulated

Test	Specification	Test	Specification
Assay	99.0 - 100.5%	Iodide (I)	max 0.002%
Barium (Ba)	To pass test	Iron (Fe)	max 3 ppm
Bromide (Br)	max 0.01%	Magnesium (Mg)	max 0.001%
Calcium (Ca)	max 0.002%	pH of 5% Soln.	5.4 - 8.6
Chlorate & Nitrate (as NO_3)	max 0.003%	Phosphate (PO_4)	max 5 ppm
Heavy Metals (as Pb)	max 5 ppm	Sodium (Na)	max 0.005%
Insoluble Matter	max 0.005%	Sulfate (SO_4)	max 0.001%

Item #	Size	Pkg Type	Qty	List
RDCP0380-12F4*RC	12kg	Fiber drum	1/ea	$1009.79

Potassium Chloride Conductivity Standard 1,000 umhos

N.I.S.T. Traceable

Not-Regulated

Test	Specification	Test	Specification
QCSP30	1,000 uMHOS @ 25°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
6950-1*AQ	1L	n/a	1/ea	$42.93
6950-4*AQ	4L	n/a	1/ea	$114.41

Potassium Chloride Conductivity Standard 1413 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	1412 - 1414 µS/cm	8.6 µS/cm	999

Item #	Size	Pkg Type	Qty	List
R5888141-500A*RC	500mL	Natural poly	1/ea	$52.61
R5888141-1A*RC	1L	Natural poly	1/ea	$75.67
R5888141-4A*RC	4L	Natural poly	1/ea	$124.34
R5888141-10F*RC	10L	Cubitainer®	1/ea	$254.48

Potassium Chloride Conductivity Standard 100,000 µS/cm (100 mS/cm) @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS

Test	Specification
Appearance	Colorless liquid

Test	Certified Value	Uncertainty	N.I.S.T. SRM#
Conductivity @ 25°C (Method: SQCP031, SQCP033)	99.9 - 100.1 mS/cm	0.62 mS/cm	999

Item #	Size	Pkg Type	Qty	List
R5889300-1A*RC	1L	Natural poly	1/ea	$122.20

Potassium Chromate

ACS Reagent Grade, Crystal
CAS# 7789-00-6
Oxidizing Solid, n.o.s. (Potassium Chromate), 5.1, UN1479, PG III

Test	Specification	Test	Specification
Appearance	Yellow crystalline	Sulfate (SO_4)	max 0.03%
Assay	99.0% min	Calcium (Ca)	max 0.005%
Insoluble Matter	max 0.005%	Sodium (Na)	max 0.02%
Chloride (Cl)	max 0.005%	pH of 5% Soln. @ 25°C	8.6 to 9.8

Item #	Size	Pkg Type	Qty	List
P3612-125*AQ	125g	n/a	1/ea	$72.19
P3612-500*AQ	500g	n/a	1/ea	$162.52
P3612-2.5*AQ	2.5kg	n/a	1/ea	$631.86

Potassium Chromate 2.5% w/v Solution

Indicator Solution
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Clear yellow liquid	Actual Assay	2.50 +- 0.01% w/v Potassium Chromate

Item #	Size	Pkg Type	Qty	List
7018-500*AQ	500mL	n/a	1/ea	$28.63

Potassium Chromate 5% w/v

APHA for Chloride
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Clear yellow liquid	Actual Assay	5.00 +- 0.02% w/v

Item #	Size	Pkg Type	Qty	List
7020-100*AQ	100mL	n/a	1/ea	$18.11
7020-500*AQ	500mL	n/a	1/ea	$30.10
7020-1*AQ	1L	n/a	1/ea	$46.15
7020-4*AQ	4L	n/a	1/ea	$111.94

Potassium Chromate 5% (w/v), Chloride Free Indicator for Argentometric Titrations

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chromate	7789-00-6	ACS
Silver Nitrate	7761-88-8	ACS

Test	Specification	Test	Specification
Appearance	Colorless liquid	Suitability for Use	Passes test

Specification	Reference
Potassium Chromate Soln. (50 g/L)	ASTM (D 287 M), ASTM (D 2187 H), ASTM (D 4548)
Potassium Chromate Soln. (50 g/L)	ASTM (D 2187 I), ASTM (D 2187 J)
Potassium Chromate Soln. (50 g/L)	ASTM (D 2187 K), ASTM (D 2187 L)
Potassium Chromate Indic. Soln.	ASTM (D 512 B), APHA (4500-Cl- B)
Potassium Chromate Indic. Soln.	EPA (SW-846) (9253), EPA (SW-846) (9215)
Potassium Chromate Soln. R	EP (1069201)

Item #	Size	Pkg Type	Qty	List
6000-4*RC	120mL	Natural poly	1/ea	$33.01
6000-16*RC	500mL	Natural poly	1/ea	$62.20
6000-32*RC	1L	Natural poly	1/ea	$107.19

Potassium Chromate 10% w/v

Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Clear yellow liquid	Actual Assay	9.98 - 10.02% w/v Potassium Chromate

Item #	Size	Pkg Type	Qty	List
7025-500*AQ	500mL	n/a	1/ea	$36.18

Potassium Chromate TS 10% (w/v), Chloride Free Indicator for Argentometric Titrations

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Silver Nitrate	7761-88-8	ACS
Potassium Chromate	7789-00-6	ACS

Test	Specification	Test	Specification
Appearance	Yellow liquid	Assay (by Refractive Index)	9.7 - 10.3% (w/v)

Specification	Reference
Potassium Chromate Indicator	TAPPI (T 610 sp-97)
Potassium Chromate RS	ACS (N/A)
Potassium Chromate TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
6005-32*RC	1L	Natural poly	1/ea	$165.24

Potassium Citrate, Monobasic

Reagent Grade
CAS# 866-83-1
Not-Regulated

Test	Specification	Test	Specification
Assay (Dried Basis)	99.0% - min	Calcium	0.005% max
Insoluble	0.005% max	Heavy Metals (as Pb)	0.0005% max
pH of 5% Soln.	3.5 - 4.0 pH	Iron	0.001% max
Chloride	0.002% max	Sodium	0.05% max
Sulfate	0.005% max	Water	4.0% max
Phosphate	0.001% max		

Item #	Size	Pkg Type	Qty	List
60742*GF	2.5kg	n/a	1/ea	$342.94

Potassium Citrate, Tribasic, Monohydrate

Reagent Grade
CAS# 6100-05-6
Not-Regulated

Test	Specification	Test	Specification
Assay (Dried Basis) (%)	99.0% - min	Calcium	0.005% max
pH of 5% Soln. @ 25°C	7.0 - 9.0 pH	Heavy Metals (as Pb)	0.0005% max
Chloride	0.001% max	Iron	0.001% max
Sulfate	0.005% max	Sodium	0.05% max
Phosphate	0.001% max	Insoluble	0.005% max

Item #	Size	Pkg Type	Qty	List
60591*GF	500g	n/a	1/ea	$80.15

Potassium Cyanide

ACS Reagent Grade
CAS# 151-50-8
Potassium Cyanide, Solid, 6.1, UN1680, PG I

Test	Specification	Test	Specification
Assay	min 96.0%	Sodium (Na)	max 0.5%
Chloride (Cl)	max 0.5%	Sulfate (SO_4)	max 0.04%
Iron, Total (as Fe)	max 0.03%	Sulfide (S)	max 0.003%
Lead (Pb)	max 2 ppm	Thiocyanate (SCN)	To pass test
Phosphate (PO_4)	max 0.005%		

Item #	Size	Pkg Type	Qty	List
RDCP0400-500A6*RC	500g	Natural poly	1/ea	$1267.43

Potassium Cyanide 10% (w/v) Solution

APHA for lead
Cyanide Solution, n.o.s. (Potassium Cyanide), 6.1, UN1935, PG II

Test	Specification	Test	Specification
Appearance & Color	Clear water white liquid	Actual Assay	9.98 - 10.02% w/v Potassium Cyanide

Item #	Size	Pkg Type	Qty	List
7060-500*AQ	500mL	n/a	1/ea	$66.18

Potassium Dichromate, Certified

N.I.S.T. Traceable
CAS# 7778-50-9
Toxic Solid, Inorganic, n.o.s. (Potassium Dichromate RQ = 10 LBS), 6.1, UN3288, PG II

Test	Specification	Test	Specification
Assay	99.95 - 100.05%	Calcium	0.003% max
Insoluble Matter	0.005% max	Sodium	0.02% max
Loss on Drying	0.05% max	Iron	0.001% max
Chloride	0.001% max	Sulfate	0.005% max

Item #	Size	Pkg Type	Qty	List
60602*GF	500g	n/a	1/ea	$308.75

Potassium Dichromate

ACS Reagent Grade, Crystal
CAS# 7778-50-9
Oxidizing Solid, n.o.s. (Potassium Dichromate), 5.1, UN1479, PG III

Test	Specification	Test	Specification
Appearance	Bright red powder	Insolubles	0.005%
Assay	99.0% min	Sodium (Na)	0.02%
Calcium (Ca)	0.003%	Iron (Fe)	0.001%
Chloride (Cl)	0.001%	Loss on Drying	0.05%
Sulfate (SO_4)	0.005%		

Item #	Size	Pkg Type	Qty	List
P3785-125*AQ	125g	n/a	1/ea	$79.94

Potassium Ferricyanide

ACS Reagent Grade
CAS# 13746-66-2
Not-Regulated

Test	Specification	Test	Specification
Appearance	Red powder	Sulfate (SO_4)	max 0.01%
Assay	99.0% min	Chloride (Cl)	max 0.01%
Ferro Compounds	max 0.05% as Ferrocyanide Radical	Insoluble Matter	max 0.005%

Item #	Size	Pkg Type	Qty	List
P3810-500*AQ	500g	n/a	1/ea	$190.75

Potassium Ferrocyanide

Reagent, ACS, Crystal
CAS# 14459-95-1
Not-Regulated

Test	Specification	Test	Specification
Appearance	Yellow crystalline powder	Sulfate (SO_4)	Passes test
Assay	98.5 - 102.0%	Chloride (Cl)	max 0.01%
Insoluble Matter	max 0.005%		

Item #	Size	Pkg Type	Qty	List
P3843-500*AQ	500g	n/a	1/ea	$145.38

Potassium Fluoride

ACS Reagent Grade
CAS# 7789-23-3
Potassium Fluoride, Solid, 6.1, UN1812, PG III

Test	Specification	Test	Specification
Assay	min 99.0%	Sodium (Na)	max 0.2%
Chloride (Cl)	max 0.005%	Sulfate (SO_4)	max 0.005%
Heavy Metals (as Pb)	max 0.001%	Titrable Acid	max 0.03 meq/g
Iron (Fe)	max 0.001%	Titrable Base	max 0.01 meq/g
Potassium Fluosilicate (K_2SiF_6)	max 0.1%		

Item #	Size	Pkg Type	Qty	List
RDCP0460-500B1*RC	500g	Poly	1/ea	$234.99

Potassium Fluoride 20% (w/v), pH 7.0

Potassium Fluoride Solution, 6.1, UN3422, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Fluoride	7789-23-3	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	6.95 - 7.05	186-I-g, 186-II-g, 191d
Sp. Gr.	1.15 - 1.17 @ 25°C	

Item #	Size	Pkg Type	Qty	List
6099-32*RC	1L	Natural poly	1/ea	CALL

Potassium Fluoride 50% (w/v), Neutralized

Potassium Fluoride Solution, 6.1, UN3422, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Fluoride	7789-23-3	ACS
Potassium Hydroxide	1310-58-3	ACS

Test	Specification
Appearance	Colorless to slightly pink liquid
Sp. Gr.	1.34 - 1.36 @ 25°C

Item #	Size	Pkg Type	Qty	List
6101-32*RC	1L	Natural poly	1/ea	$336.20

Potassium Fluoride 50% w/w Aqueous Solution

Potassium Fluoride Solution, 6.1, UN3422, PG III

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7135-4*AQ	4L	n/a	1/ea	$300.88

Potassium Fluoride Anhydrous

Laboratory Grade, Powder
CAS# 7789-23-3
Potassium Fluoride, 6.1, UN1812, PG III

Test	Specification	Test	Specification
Appearance	White powder	Insoluble Matter	0.01% max
Assay KF	99.30% min	Iron, as Fe	0.002% max
Free Alkali, as K_2CO_3	0.10% max	Hexafluorosilicate	0.20% max
Chloride, as Cl	0.05% max	Arsenic	0.0005% max
Heavy Metals, as Pb	8 ppm max	Moisture	0.20% max

Item #	Size	Pkg Type	Qty	List
P3901-500*AQ	500g	n/a	1/ea	$114.41

Potassium Fluoride 1 N (1 M) Aluminum Complexing Solution

Potassium Fluoride Solution, 6.1, UN3422, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Fluoride	7789-23-3	ACS

Test	Specification
Appearance	Colorless liquid
Sp. Gr.	1.046 - 1.050 @ 25°C

Item #	Size	Pkg Type	Qty	List
6115-32*RC	1L	Natural poly	1/ea	$359.72

Potassium Fluoride

ACS Reagent Grade
CAS# 7789-23-3
Potassium Fluoride, Solid, 6.1, UN1812, PG III

Test	Specification	Test	Specification
Assay	99.0% - min	Sulfate	0.005% max
Titrable Acid	0.03 meq/g max	Heavy Metals (by ICP-OES)	0.001% max
Titrable Base	0.01 meq/g max	Iron	0.001% max
Potassium Fluosilicate	0.1% max	Sodium	0.2% max
Chloride	0.005% max		

Item #	Size	Pkg Type	Qty	List
60701*GF	500g	n/a	1/ea	$402.00

Potassium Hydrogen Phthalate
ACS Reagent Grade, Primary Standard
CAS# 877-24-7
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Heavy Metals, as Pb	5 ppm max
Assay	99.95 - 100.5%	Insoluble Matter	0.005% max
Sodium (Na)	0.005% max	Iron, as Fe	5 ppm max
Chlorine Compounds, as Cl	0.003% max	Sulfur Compounds (as S)	0.002% max

Item #	Size	Pkg Type	Qty	List
P4000-125*AQ	125g	n/a	1/ea	$72.19

Potassium Hydrogen Phthalate RV
EP Primary Standard 2000400
CAS# 877-24-7
Not-Regulated

Test	Specification
Appearance	Colorless/white solid

Specification	Reference
Potassium Hydrogen Phthalate RV	EP (2000400)

Item #	Size	Pkg Type	Qty	List
R6120000-100A6*RC	100g	Poly	1/ea	$117.01

Potassium Hydroxide
ACS Reagent Grade, Pellets
CAS# 1310-58-3
Potassium Hydroxide, Solid, 8, UN1813, PG II

Test	Specification	Test	Specification
Appearance	White, deliquescent solid	Heavy Metals (as Ag)	0.001% max
Assay	>=85% KOH and<=2.0%	Iron (Fe)	0.001% max
Chloride (Cl)	0.01% max	Nickel (Ni)	0.001% max
Nitrogen Compounds (as N)	0.001% max	Calcium (Ca)	0.005% max
Phosphate (PO_4)	5 ppm max	Magnesium (Mg)	0.002% max
Sulfate (SO_4)	0.003% max	Sodium (Na)	0.05% max

Item #	Size	Pkg Type	Qty	List
P4500-500*AQ	500g	n/a	1/ea	$79.27
P4500-1*AQ	1kg	n/a	1/ea	$115.78

Potassium Hydroxide
Technical Grade, Flake
CAS# 1310-58-3
Potassium Hydroxide, Solid, 8, UN1813, PG II

Test	Specification	Test	Specification
Appearance	White solid	Iron (Fe)	3 ppm max
Assay	90.0% min	Sodium (Na)	0.50% max
K_2CO_3	0.44% max	Nickel (Ni)	4 ppm max
Chlorides (as KCl)	150 ppm max	Insoluble Subs.	Passes test
Sulfates (as K_2SO_4)	13 ppm max	Lead (Pb)	2 ppm max
Mercury (Hg)	0.1 ppm max	Heavy Metals (as Pb)	20 ppm max

Item #	Size	Pkg Type	Qty	List
P4540-2.5*AQ	2.5kg	n/a	1/ea	$87.16

Potassium Hydroxide
Laboratory Grade, Pellets
CAS# 1310-58-3
Potassium Hydroxide, Solid, 8, UN1813, PG II

Test	Specification	Test	Specification
Appearance	White, deliquescent solid	Heavy Metals (as Ag)	0.001% max
Assay	>=85% KOH and<=2.0%	Iron (Fe)	0.001% max
Chloride (Cl)	0.01% max	Nickel (Ni)	0.001% max
Nitrogen Compounds (as N)	0.001% max	Calcium (Ca)	0.005% max
Phosphate (PO_4)	5 ppm max	Magnesium (Mg)	0.002% max
Sulfate (SO_4)	0.003% max	Sodium (Na)	0.05% max

Item #	Size	Pkg Type	Qty	List
P4505-500*AQ	500g	n/a	1/ea	$74.83
P4505-2.5*AQ	2.5kg	n/a	1/ea	$200.00
P4505-12*AQ	12kg	n/a	1/ea	$562.41

Potassium Hydroxide
ACS Reagent Grade
CAS# 1310-58-3
Potassium Hydroxide, Solid, 8, UN1813, PG II

Test	Specification	Test	Specification
Assay	85.0% - min	Heavy Metals (by ICP-OES)	0.001% max
Potassium Carbonate (%)	2.0% max	Iron	0.001% max
Chloride	0.01% max	Nickel	0.001% max
Nitrogen Compounds (N)	0.001% max	Calcium	0.005% max
Phosphate	0.0005% max	Magnesium	0.002% max
Sulfate	0.003% max	Sodium	0.05% max

Item #	Size	Pkg Type	Qty	List
60802*GF	2.5kg	n/a	1/ea	$209.07

Potassium Hydroxide 45% w/w
Potassium Hydroxide, Solution, 8, UN1814, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Iron, Fe	2.0 max (ppm)
Potassium Hydroxide, KOH	45.00 / 46.50 (wt%)	Sodium, Na	2500 max (ppm)
Potassium Carbonate, K_2CO_3	1000 max (ppm)	Nickel, Ni	0.25 max (ppm)
Potassium Chloride, KCl	50 max (ppm)	Mercury, Ng	0.045 max (ppm)
Potassium Sulfate, K_2SO_4	30.0 max (ppm)	Lead, Pb	0.90 max (ppm)
Potassium Chlorate, $KClO_3$	30.0 max (ppm)		

Item #	Size	Pkg Type	Qty	List
7285-4*AQ	4L	n/a	1/ea	$99.66

Potassium Hydroxide 0.01 N in IPA
N.I.S.T. Traceable
ASTM D3242, D974
Flammable Liquid, n.o.s. (Isopropanol), 3, UN1993, PG II

Test	Specification	Test	Specification
Actual Normality	0.0100 +/- 0.0005 N @ 20°C	Appearance & Color	Slightly hazy liquid

Item #	Size	Pkg Type	Qty	List
7235-1*AQ	1L	n/a	1/ea	$71.44
7235-4*AQ	4L	n/a	1/ea	$219.47

Potassium Hydroxide 0.0500 N (N/20) in Denatured Alcohol
Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Water	7732-18-5	Reagent
Potassium Hydroxide	1310-58-3	Reagent
Preservative	Proprietary	

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	0.04995 - 0.05005 N @ 20°C	723

Item #	Size	Pkg Type	Qty	List
6266.5-32*RC	1L	Natural poly	1/ea	$172.15

Potassium Hydroxide 0.05 N in IPA
N.I.S.T. Traceable
Flammable Liquid, n.o.s. (Isopropanol), 3, UN1993, PG II

Test	Specification	Test	Specification
Actual Normality	0.0500 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7257-1*AQ	1L	n/a	1/ea	$71.44

Potassium Hydroxide 0.1 M in Ethanol
N.I.S.T. Traceable
Actual Molarity = 0.0995 - 0.1005
Flammable Liquid, n.o.s. (Ethanol, Acetic Acid), 3, UN1993, PG II

Test	Specification	Test	Specification
Actual Normality	0.2500 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7248-4*AQ	4L	n/a	1/ea	$219.47

Potassium Hydroxide

Potassium Hydroxide 0.100 N (N/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Hydroxide	1310-58-3	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.0999 - 0.1001 N @ 20°C	84

Specification	Reference
Potassium Hydroxide, 0.1 M	EPA (SW-846) (61)
Potassium Hydroxide, 0.1 N Aqueous Soln.	ASTM (D 2619)
Potassium Hydroxide, 0.1 N	TAPPI (T 610 sp-97), TAPPI (T 689 om-93)
0.1 M Potassium Hydroxide Vs	EP (3004800)

Item #	Size	Pkg Type	Qty	List
6200-32*RC	1L	Natural poly	1/ea	$58.80
6200-1*RC	4L	Natural poly	1/ea	$198.94

Potassium Hydroxide 0.1 N Solution

N.I.S.T. Traceable
Actual Normality = 0.0995 - 0.1005
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.1000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7160-1*AQ	1L	n/a	1/ea	$27.10
7160-4*AQ	4L	n/a	1/ea	$69.17

Potassium Hydroxide 0.100 N (N/10) in IPA

Isopropanol Solution, 3, UN1219, PG II

Name	CAS#	Grade
Isopropyl Alcohol	67-63-0	ACS
Potassium Hydroxide	1310-58-3	ACS
Water	7732-18-5	ACS
Preservative	Proprietary	

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	0.0995 - 0.1005 N @ 20°C	723

Specification	Reference
Potassium Hydroxide Soln., Std. Alcoholic (0.1 mol/L)	ASTM (D 664)
Potassium Hydroxide Soln., Std. Alcoholic (0.1 M)	ASTM (D 974)

Item #	Size	Pkg Type	Qty	List
6257-16*RC	500mL	Natural poly	1/ea	$101.70
6257-32*RC	1L	Natural poly	1/ea	$143.54
6257-1*RC	4L	Natural poly	1/ea	$292.41

Potassium Hydroxide 0.1 N in IPA

N.I.S.T. Traceable
ASTM D664
Flammable Liquid, n.o.s. (Isopropanol), 3, UN1993, PG II

Test	Specification	Test	Specification
Actual Normality	0.0995 - 0.1005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7241-1*AQ	1L	n/a	1/ea	$71.44

Potassium Hydroxide 0.100 N (N/10) in Methanol

Flammable Liquid, n.o.s. (Methanol), 3, UN1993, PG II

Name	CAS#	Grade
Methyl Alcohol	67-56-1	ACS
Potassium Hydroxide	1310-58-3	ACS
Water	7732-18-5	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.0995 - 0.1005 N @ 20°C	84

Specification	Reference
Potassium Hydroxide, Methanolic, 0.1 N Vs	ACS (N/A)
Potassium Hydroxide, Methanolic, Tenth-N (0.1 N) Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
6260-5*RC	20L	Cubitainer®	1/ea	$1016.00

Potassium Hydroxide 0.1 N in Methanol

N.I.S.T. Traceable
Flammable Liquid, n.o.s. (Methanol), 3, UN1993, PG II

Test	Specification	Test	Specification
Actual Normality	0.1000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7240-1*AQ	1L	n/a	1/ea	$71.44
7240-4C*AQ	4L	n/a	1/ea	CALL

Potassium Hydroxide 0.500 N (N/2)

Potassium Hydroxide, Solution, 8, UN1814, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Hydroxide	1310-58-3	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.4998 - 0.5002 N @ 20°C	84

Specification	Reference
Potassium Hydroxide, 0.5 M	EPA (SW-846) (61)
Potassium Hydroxide, 0.5 N	TAPPI (T 610 sp-97)

Item #	Size	Pkg Type	Qty	List
6230-32*RC	1L	Natural poly	1/ea	$71.82
6230-1*RC	4L	Natural poly	1/ea	$178.09

Potassium Hydroxide 0.5 N

N.I.S.T. Traceable
Actual Normality = 0.4995 - 0.5005
Potassium Hydroxide, Solution, 8, UN1814, PG III

Test	Specification	Test	Specification
Actual Normality	0.5000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7200-1*AQ	1L	n/a	1/ea	$27.10

Potassium Hydroxide 0.500 N (N/2) in Denatured Alcohol

Flammable Liquid, Corrosive, n.o.s. (Ethanol, Potassium Hydroxide), 3 (8), UN2924, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Water	7732-18-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Potassium Hydroxide	1310-58-3	Reagent
Preservative	Proprietary	

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	0.4995 - 0.5005 N @ 20°C	723

Specification	Reference
Potassium Hydroxide, Alcoholic (0.5 N)	ASTM (D 128)

Item #	Size	Pkg Type	Qty	List
R6265000-500A*RC	500mL	Natural poly	1/ea	CALL

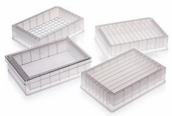
Potassium Hydroxide 0.500 N (N/2) in IPA

Flammable Liquid, Corrosive, n.o.s. (Isopropanol, Potassium Hydroxide), 3 (8), UN2924, PG II

Name	CAS#	Grade
Isopropyl Alcohol	67-63-0	ACS
Potassium Hydroxide	1310-58-3	ACS
Water	7732-18-5	ACS
Preservative	Proprietary	

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	0.4995 - 0.5005 N @ 20°C	723

Item #	Size	Pkg Type	Qty	List
6257.5-32*RC	1L	Natural poly	1/ea	$103.35



Potassium Hydroxide 0.5 N in IPA

N.I.S.T. Traceable
Flammable Liquid, Corrosive, n.o.s. (Isopropanol, Potassium Hydroxide), 3, UN2924, PG II

Test	Specification	Test	Specification
Actual Normality	0.5000 +/- 0.0010 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7259-1*AQ	1L	n/a	1/ea	$71.44

Potassium Hydroxide 0.500 N (N/2) in Methanol

Flammable Liquid, Corrosive, n.o.s. (Methanol, Potassium Hydroxide), 3 (8), UN2924, PG II

Name	CAS#	Grade
Methyl Alcohol	67-56-1	ACS
Potassium Hydroxide	1310-58-3	ACS
Water	7732-18-5	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.4995 - 0.5005 N @ 20°C	84

Specification	Reference
Std. Alcoholic Alkali Soln. (0.5 N)	TAPPI (T 689 om-93)
Potassium Hydroxide, 0.5 N in Methanol RS	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
6261-16*RC	500mL	Natural poly	1/ea	$90.52

Potassium Hydroxide 0.5 N in Methanol

N.I.S.T. Traceable
Flammable Liquid, Corrosive, n.o.s. (Methanol, Potassium Hydroxide), 3, UN2924, PG II

Test	Specification	Test	Specification
Actual Normality	0.5000 +- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7260-1*AQ	1L	n/a	1/ea	$71.44

Potassium Hydroxide 1.00 N

Potassium Hydroxide, Solution, 8, UN1814, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Hydroxide	1310-58-3	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.999 - 1.001 N @ 20°C	84

Specification	Reference
Potassium Hydroxide, 1.0 N	TAPPI (T 610 sp-97)
1 M Potassium Hydroxide Vs	EP (3009100)
Potassium Hydroxide, N (1 N) Vs (Modified)	USP (N/A)

Item #	Size	Pkg Type	Qty	List
6250-1*RC	4L	Natural poly	1/ea	$204.06

Potassium Hydroxide 1.0 N Aqueous

N.I.S.T. Traceable
Actual Normality = 0.9995 - 1.0005
Potassium Hydroxide, Solution, 8, UN1814, PG II

Test	Specification	Test	Specification
Actual Normality	1.0000 +- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7220-1*AQ	1L	n/a	1/ea	$30.10
7220-4*AQ	4L	n/a	1/ea	$91.12
7220-20*AQ	20L	n/a	1/ea	$193.18

Potassium Hydroxide 8.0 N

Potassium Hydroxide, Solution, 8, UN1814, PG II

Test	Specification	Test	Specification
Actual Normality	8.00 +- 0.05	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7290-500*AQ	500mL	n/a	1/ea	$37.88

Potassium Iodate

ACS Reagent Grade, Powder
CAS# 7758-05-6
Oxidizing Solid, n.o.s. (Potassium Iodate), 5.1, UN1479, PG III

Test	Specification	Test	Specification
Appearance	White solid	Sodium (Na)	0.005% max
Assay	99.4 - 100.4%	Sulfate (SO_4)	0.005% max
Chloride & Bromide (as Cl)	0.01% max	Insoluble Matter	0.005% max
Iodide (I)	0.001% max	Heavy Metals (as Pb)	5 ppm max
Iron (Fe)	0.001% max	Nitrogen Compounds (as N)	0.005% max

Item #	Size	Pkg Type	Qty	List
P4597-125*AQ	125g	n/a	1/ea	$150.44
P4597-500*AQ	500g	n/a	1/ea	$306.95

Potassium Iodate 0.1 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.1000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7320-1*AQ	1L	n/a	1/ea	$60.26
7320-4*AQ	4L	n/a	1/ea	$126.37

Potassium Iodate-Iodide 0.100 N (N/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Iodide	7681-11-0	ACS
Potassium Iodate	7758-05-6	ACS
Sodium Hydroxide	1310-73-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Thiosulfate/Starch)	0.0999 - 0.1001 N @ 20°C	136

Item #	Size	Pkg Type	Qty	List
6285-32*RC	1L	Amb glass	1/ea	$157.58
6285-1*RC	4L	Amb glass	1/ea	$231.22

Potassium Iodide-Iodate 0.0125 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0125 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7340-1*AQ	1L	n/a	1/ea	$33.08
7340-4*AQ	4L	n/a	1/ea	$92.17

Potassium Iodide

ACS Reagent Grade, Crystal
CAS# 7681-11-0
Not-Regulated

Test	Specification	Test	Specification
Appearance	White, crystalline solid	Barium (Ba)	0.002% max
Assay	99.0% min	Heavy Metals (as Pb)	5 ppm max
Insoluble Matter	0.005% max	Iron (Fe)	3 ppm max
Loss on Drying	0.2% max	Calcium (Ca)	0.002% max
Chloride & Bromide (as Cl)	0.01% max	Magnesium (Mg)	0.001% max
Phosphatae (PO_4)	0.001% max	Sodium (Na)	0.005% max
Sulfate (SO_4)	0.005% max		

Item #	Size	Pkg Type	Qty	List
P4716-125*AQ	125g	n/a	1/ea	$130.40

Thermometers & cases available for varying sizes & styles.
Contact us for more information.

Potassium Iodide

Potassium Iodide
ACS Reagent Grade
CAS# 7681-11-0
Not-Regulated

Test	Specification	Test	Specification
Assay	min 99.0%	Iron (Fe)	max 3 ppm
Barium (Ba)	max 0.002%	Loss on Drying @ 150°C	max 0.2%
Calcium (Ca)	max 0.002%	Magnesium (Mg)	max 0.001%
Chloride & Bromide (as Cl)	max 0.01%	pH of 5% Soln.	6.0 - 9.2
Heavy Metals (as Pb)	max 5 ppm	Phosphate (PO_4)	max 0.001%
Insoluble Matter	max 0.005%	Sodium (Na)	max 0.005%
Iodate (IO_3)	max 3 ppm	Sulfate (SO_4)	max 0.005%

Item #	Size	Pkg Type	Qty	List
RDCP0560-3A5*RC	3kg	Natural poly	1/ea	$1115.25

Potassium Iodide
ACS Reagent Grade
CAS# 7681-11-0
Not Regulated

Test	Specification	Test	Specification
Assay	99.0% - min	Sulfate	0.005% max
Insoluble	0.005% max	Heavy Metals (as Pb)	0.0005% max
Loss on Drying @ 150°C	0.2% max	Iron	0.0003% max
pH of 5% Soln. @ 25°C	6.0 - 9.2 pH	Barium	0.002% max
Chloride & Bromide (as Cl)	0.01% max	Calcium	0.002% max
Iodate	0.0003% max	Magnesium	0.001% max
Phosphate	0.001% max	Sodium	0.005% max

Item #	Size	Pkg Type	Qty	List
61002*GF	500g	n/a	1/ea	$346.59
61003*GF	2.5kg	n/a	1/ea	$924.23

Potassium Iodide 10% (w/v)
Not-Regulated

Test	Specification	Test	Specification
Actual Assay	10.00 +- 0.05% w/v	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7400-1*AQ	1L	n/a	1/ea	$72.23
7400-4*AQ	4L	n/a	1/ea	$218.78

Potassium Iodide 10% (w/v), Stabilized
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Iodide	7681-11-0	ACS
Stabilizer	Proprietary	

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Silver Nitrate/Eosin Y)	9.9 - 10.1% (w/v)	999

Specification	Reference
Potassium Iodide Soln. (100 g/1000 mL)	TAPPI (T 602 cm-97)
Potassium Iodide Soln. (100 g/L)	ASTM (E 200)
Potassium Iodide, 10%	TAPPI (T 249 cm-85)
Potassium Iodide RS (for Free Chlorine)	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
6300-32*RC	1L	Amb poly	1/ea	$121.57
6300-1*RC	4L	Black poly	1/ea	$345.28

Potassium Iodide 15% w/v
Not-Regulated

Test	Specification	Test	Specification
Potassium Iodide w/w%	15.00 +- 0.05% w/v	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7402-1*AQ	1L	n/a	1/ea	$116.68

Potassium Iodide 20% (w/v), Stabilized
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Stabilizer	Proprietary	
Potassium Iodide	7681-11-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to light yellow liquid	
Assay (vs. Silver Nitrate/Eosin Y)	19.9 - 20.1% (w/v)	999

Specification	Reference
Potassium Iodide, 20%	TAPPI (T 611 cm-97)
Potassium Iodide Soln.	EPA (SW-846) (7741A), EPA (SW-846) (7061A)
20% Potassium Iodide	EPA (SW-846) (7062)

Item #	Size	Pkg Type	Qty	List
6310-1*RC	4L	Black poly	1/ea	$829.80

Potassium Iodide 50% (w/v)
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Iodide	7681-11-0	ACS
Stabilizer	Proprietary	

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to light yellow liquid	
Assay (vs. Silver Nitrate/Eosin Y)	49.9 - 50.1% (w/v)	999

Item #	Size	Pkg Type	Qty	List
R6314000-1C*RC	4L	Black poly	1/ea	$532.57

Potassium Nitrate
ACS Reagent Grade, Crystal
CAS# 7757-79-1
Potassium Nitrate, 5.1, UN1486, PG III

Test	Specification	Test	Specification
Appearance	White crystalline	Calcium (Ca)	0.005% max
Assay	99.0% min	Magnesium (Mg)	0.002% max
Iodate (IO2)	5 ppm max	Sodium (Na)	0.005% max
Nitrite (NO2)	0.001% max	Sulfate (SO_4)	0.003% max
Phosphate (PO_4)	5 ppm max	Chloride (Cl)	0.002% max
Heavy Metals (as Pb)	5 ppm max	Insoluble Matter	0.005% max
Iron (Fe)	3 ppm max		

Item #	Size	Pkg Type	Qty	List
P5252-125*AQ	125g	n/a	1/ea	$67.87
P5252-2.5*AQ	2.5kg	n/a	1/ea	$338.55

Potassium Nitrate 1.0 M Solution
Not-Regulated

Test	Specification	Test	Specification
Actual Molarity	1.000 +- 0.005 M Potassium Nitrate	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
7410-250*AQ	250mL	n/a	1/ea	$36.15

Potassium Permanganate
Laboratory Grade, Crystal
CAS# 7722-64-7
Potassium Permanganate, 5.1, UN1490, PG II

Test	Specification	Test	Specification
Appearance	Dark purple crystalline	Chloride (Cl)	≤ 0.005%
Assay	≥ 99.0%	Nitrogen	≤ 0.005%
Weight loss	≤ 0.5%	Insolubles,%	≤ 0.2%
Sulfate	≤ 0.02%		

Item #	Size	Pkg Type	Qty	List
P5444-500*AQ	500g	n/a	1/ea	$99.70
P5444-2.5*AQ	2.5kg	n/a	1/ea	$499.03

Neutralizing Absorbents

Potassium Permanganate
FOXPURE® ACS Reagent Grade
CAS# 7722-64-7
Potassium Permanganate, 5.1, UN1490, PG II

Test	Specification	Test	Specification
Assay	min 99.0%	Nitrogen Compounds (as N)	max 0.005%
Insoluble Matter	max 0.2%	Sulfate (SO_4)	max 0.02%
Chloride & Chlorate (as Cl)	max 0.005%		

Item #	Size	Pkg Type	Qty	List
P157-3*FX	2.5kg	n/a	1/ea	CALL

Potassium Permanganate
ACS Reagent Grade, Crystal
CAS# 7722-64-7
Potassium Permanganate, 5.1, UN1490, PG II

Test	Specification	Test	Specification
Appearance	Dark purple crystalline	Chloride & Chlorate (as Cl)	0.005% max
Assay	99.0% min	Insoluble Matter	0.02% max
Sulfate	0.02% max		

Item #	Size	Pkg Type	Qty	List
P5450-2.5*AQ	2.5kg	n/a	1/ea	CALL

Potassium Permanganate, Low Mercury
ACS Reagent Grade
CAS# 7722-64-7
Potassium Permanganate, 5.1, UN1490, PG II

Test	Specification	Test	Specification
Assay	99.0% - min	Sulfate	0.02% max
Insoluble	0.2% max	Mercury (ppb)	50 ppb max
Chloride & Chlorate (as Cl)	0.005% max		

Item #	Size	Pkg Type	Qty	List
61591*GF	500g	n/a	1/ea	$126.71

Potassium Permanganate 5% (w/v), Low Mercury
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Permanganate	7722-64-7	ACS Low Mercury

Test	Specification
Appearance	Purple liquid
Assay (by Sp. Gr.)	4.92 - 5.08% (w/v)

Specification	Reference
Potassium Permanganate Soln.	APHA (3500-Hg C), APHA (3112 B)
Potassium Permanganate, 5% (w/v)	EPA (SW-846) (60), EPA (SW-846) (3665A)
Potassium Permanganate, Mercury-Free, 5% Soln. (w/v)	EPA (SW-846) (7471A), EPA (SW-846) (7470A)
Potassium Permanganate, 5% Soln., w/v	EPA (245.5)
Potassium Permanganate Soln. (50 g/L)	ASTM (D 3223)

Item #	Size	Pkg Type	Qty	List
6360-16*RC	500mL	Amb glass	1/ea	$65.00
6360-32*RC	1L	Amb glass	1/ea	$110.08

Potassium Permanganate 5.0% w/v
N.I.S.T. Traceable to SRM8040
APHA for Mercury
Not-Regulated

Test	Specification	Test	Specification
Actual Assay	4.90 - 5.10% w/v	Appearance & Color	Dark purple liquid

Item #	Size	Pkg Type	Qty	List
7420-500*AQ	500mL	n/a	1/ea	$32.95

Potassium Permanganate 0.02 N
N.I.S.T. Traceable
Actual Normality = 0.0195 - 0.0205
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0200 +/- 0.0005 N @ 20°C	Appearance & Color	Dark purple liquid

Item #	Size	Pkg Type	Qty	List
7432-1*AQ	1L	n/a	1/ea	$45.12

Potassium Permanganate 0.0420 N
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Permanganate	7722-64-7	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Purple liquid	
Assay (vs. Sodium Oxalate)	0.04199 - 0.04201 N @ 20°C	8040

Item #	Size	Pkg Type	Qty	List
6386-32*RC	1L	Amb glass	1/ea	$58.98

Potassium Permanganate 0.05 N Aqueous
N.I.S.T. Traceable
Actual Normality = 0.0495 - 0.0505
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0500 +/- 0.0005 N @ 20°C	Appearance & Color	Dark purple liquid

Item #	Size	Pkg Type	Qty	List
7435-4*AQ	4L	n/a	1/ea	$107.42

Potassium Permanganate 0.1 N Solution
N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.1000 +/- 0..0005 Normality @ 20°C	Appearance & Color	Dark purple liquid

Item #	Size	Pkg Type	Qty	List
7440-4*AQ	4L	n/a	1/ea	$104.37

Potassium Permanganate 0.100 N (N/10) 0.0200 M (M/50)
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Permanganate	7722-64-7	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Purple liquid	
Assay (vs. Sodium Oxalate)	0.0999 - 0.1001 N @ 20°C	8040

Specification	Reference
0.1 N Potassium Permanganate Soln.	APHA (3500-Mn B)
Potassium Permanganate Soln., Standardized 0.1000 ± 0.0005 N	TAPPI (T 236 cm-85)
Potassium Permanganate, 0.1 N	EPA (218.3), TAPPI (T 610 sp-97), EPA (245.2)
Potassium Permanganate, 0.1 N Vs	ASTM (E 200), ACS (N/A)
0.02 M Potassium Permanganate Vs	EP (3005300)
Potassium Permanganate TS	USP (N/A)
Potassium Permanganate, Tenth-N (0.1 N) Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
6400-1*RC	4L	Amb glass	1/ea	$175.15

Potassium Permanganate 0.180 N
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Permanganate	7722-64-7	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Purple liquid	
Assay (vs. Sodium Oxalate)	0.1799 - 0.1801 N @ 20°C	8040

Item #	Size	Pkg Type	Qty	List
6403-32*RC	1L	Amb glass	1/ea	$95.38
6403-2.5*RC	10L	Cubitainer®	1/ea	$401.32

Need Equipment? We have that too!

Potassium Permanganate 0.200 N (N/5)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Permanganate	7722-64-7	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Purple liquid	
Assay (vs. Sodium Oxalate)	0.1998 - 0.2002 N @ 20°C	8040

Specification	Reference
Potassium Permanganate, 0.2 N	TAPPI (T 618 cm-84)

Item #	Size	Pkg Type	Qty	List
6405-16*RC	500mL	Amb glass	1/ea	$62.03

Potassium Permanganate Standard 891 mg/L (1000 ppm as Cl_2)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Permanganate	7722-64-7	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Purple liquid	
Assay (vs. Sodium Oxalate)	0.02815 - 0.02825 N @ 20°C	8040

Specification	Reference
Potassium Permanganate Stock	APHA (4500-Cl G)

Item #	Size	Pkg Type	Qty	List
R6354300-500C*RC	500mL	Amb glass	1/ea	$58.39

Potassium Persulfate

ACS Reagent Grade
CAS# 7727-21-1
Potassium Persulfate, 5.1, UN1492, PG III

Test	Specification	Test	Specification
Assay	99.0% - min	Heavy Metals (as Pb)	0.001% max
Insolubles (%)	0.005% max	Iron	0.0005% max
Chlorine Compounds (as Cl)(%)	0.001% max	Manganese	0.0002% max

Item #	Size	Pkg Type	Qty	List
61701*GF	500g	n/a	1/ea	$114.75

Potassium Persulfate

ACS Reagent Grade
CAS# 7727-21-1
Potassium Persulfate, 5.1, UN1492, PG III

Test	Specification	Test	Specification
Appearance	White crystalline	Insoluble Matter	0.005% max
Assay	99.0% min	Iron (Fe)	5 ppm max
Chlorine Compounds (as Cl)	0.001% max	Manganese (Mn)	2 ppm max
Heavy Metals (as Pb)	0.001% max		

Item #	Size	Pkg Type	Qty	List
P5518-125*AQ	500g	n/a	1/ea	CALL
P5518-500*AQ	2.5kg	n/a	1/ea	$112.51

Potassium Persulfate 5% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Persulfate	7727-21-1	ACS Low Mercury

Test	Specification
Appearance	Colorless liquid
Refractive Index	To pass test

Specification	Reference
Potassium Persulfate, 5% Soln.	APHA (3114 B)
Potassium Persulfate Soln.	APHA (3500-Hg C), APHA (3112 B)
Potassium Persulfate, 5% Soln. (w/v)	EPA (SW-846) (7470A), EPA (245.1)
Potassium Persulfate Soln. (50 g/L)	ASTM (D 3223)

Item #	Size	Pkg Type	Qty	List
6450-32*RC	1L	Natural poly	1/ea	$117.00

Potassium Phosphate Dibasic Anhydrous

ACS Reagent Grade, Powder
CAS# 7758-11-4
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Sodium (Na)	0.05% max
Assay	98.0% min	Iron (Fe)	0.001% max
Nitrogen Compounds (as N)	0.001% max	Insoluble Matter	0.01% max
Chloride (Cl)	0.003% max	Heavy Metals (as Pb)	5 ppm max
Sulfate (SO_4)	0.005% max	Loss on Drying	1.0% max

Item #	Size	Pkg Type	Qty	List
P5667-125*AQ	125g	n/a	1/ea	$60.19

Potassium Phosphate Monobasic

ACS Reagent Grade, Crystal
CAS# 7778-77-0
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Sodium (Na)	0.005% max
Assay	99.0% min	Iron (Fe)	0.002% max
pH of a 5% Soln. @ 25°C	4.1 - 4.5 max	Insoluble Matter	0.01% max
Chloride (Cl)	0.001% max	Heavy Metals (as Pb)	0.001% max
Sulfate (SO_4)	0.003% max	Loss on Drying	0.2% max

Item #	Size	Pkg Type	Qty	List
P5600-125*AQ	125g	n/a	1/ea	$36.15
P5600-500*AQ	500g	n/a	1/ea	$67.73

Potassium Pyroantimonate TS

Corrosive Liquid, Basic, Inorganic, n.o.s. (Potassium Hydroxide, Sodium Hydroxide), 8, UN3266, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Hydroxide	1310-58-3	ACS
Potassium Pyroantimonate	12208-13-8	Reagent
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification
Appearance	Colorless liquid
Suitability for Use	Dense precipitate with Sodium

Specification	Reference
Potassium Pyroantimonate Soln. R	EP (1071301)
Potassium Pyroantimonate TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
6458-16*RC	500mL	Natural poly	1/ea	$138.80

Potassium Sodium Tartrate

Laboratory Grade
CAS# 6381-59-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Heavy Metals	< 5 ppm
Assay	98.0%	Insoluble Matter	< 50 ppm
Water	24.1%	Iron	< 10 ppm max
Ammonia	< 20 ppm	pH (5% Soln.)	7.8

Item #	Size	Pkg Type	Qty	List
P6318-125*AQ	125g	n/a	1/ea	$43.93

Potassium Sodium Tartrate Tetrahydrate

ACS Reagent Grade, Crystal
CAS# 6381-59-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Insoluble Matter	0.005% max
Assay	98.0% min	Iron (Fe)	0.001% max
Chloride (Cl)	0.001% max	Sulfate (SO_4)	0.005% max
Phosphate (PO_4)	0.002% max	Ammonium (NH_4)	0.002% max
Heavy Metals (as Pb)	5 ppm max	Calcium (Ca)	0.005% max

Item #	Size	Pkg Type	Qty	List
P6315-500*AQ	500g	n/a	1/ea	$158.00

Potassium Sodium Tartrate Tetrahydrate (Rochelle Salt)

ACS Reagent Grade
CAS# 6381-59-5
Not-Regulated

Test	Specification	Test	Specification
Ammonium (NH_4)	max 0.002%	Insoluble Matter	max 0.005%
Assay	99.0 - 102.0%	Iron (Fe)	max 0.001%
Calcium (Ca)	max 0.005%	pH of 5% Soln.	6.0 - 8.5
Chloride (Cl)	max 0.001%	Phosphate (PO_4)	max 0.002%
Heavy Metals (as Pb)	max 5 ppm	Sulfate (SO_4)	max 0.005%

Item #	Size	Pkg Type	Qty	List
RDCP0690-500B1*RC	500g	Poly	1/ea	$237.54

Potassium Sulfate, Granular

ACS Reagent Grade
CAS# 7778-80-5
Not-Regulated

Test	Specification	Test	Specification
Assay	99.0% - min	Calcium	0.01% max
Insoluble	0.01% max	Magnesium	0.005% max
pH of 5% Soln.	5.5 - 8.5 pH	Iron	0.0005% max
Chloride	0.001% max	Through 70 Mesh Screen	- report
Nitrogen Compounds (%)	0.0005% max	Heavy Metals (by ICP-OES)	0.0005% max
Sodium	0.02% max		

Item #	Size	Pkg Type	Qty	List
62202*GF	2.5kg	n/a	1/ea	$292.25

Potassium Sulfate, Powder

ACS Reagent Grade
CAS# 7778-80-5
Not-Regulated

Test	Specification	Test	Specification
Assay	99.0% - min	Sodium	0.02% max
Insoluble	0.01% max	Calcium	0.01% max
pH of 5% Soln.	5.5 - 8.5 pH	Magnesium	0.005% max
Chloride	0.001% max	Iron	0.0005% max
Nitrogen Compounds (%)	0.0005% max	Heavy Metals (by ICP-OES)	0.0005% max

Item #	Size	Pkg Type	Qty	List
62182*GF	2.5kg	n/a	1/ea	$306.34

Potassium Sulfate

ACS Reagent Grade, Granular
CAS# 7778-80-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	White granules	Insoluble Matter	0.01% max
Assay	≥ 99.0%	Iron (Fe)	5 ppm max
Chloride (Cl)	0.001% max	Calcium (Ca)	0.01% max
Heavy Metals (as Pb)	5 ppm max	Magnesium (Mg)	0.005% max
Nitrogen Compounds (as N)	5 ppm max	Sodium (Na)	0.02% max

Item #	Size	Pkg Type	Qty	List
P6890-125*AQ	125g	n/a	1/ea	$36.15
P6890-500*AQ	500g	n/a	1/ea	$72.19
P6890-2.5*AQ	2.5kg	n/a	1/ea	$309.63
P6890-12*AQ	12kg	n/a	1/ea	$873.38

Potassium Thiocyanate

ACS Reagent Grade
CAS# 333-20-0
Not-Regulated

Test	Specification	Test	Specification
Assay	98.5% min	Ammonium	0.003 max
pH of 5% Soln.	pH 5.3 - 8.7	Heavy Metals	0.0005 max
Insoluble in Water (%)	0.005 max	Iron	0.0002 max
Chloride	0.005 max	Sodium	0.005 max
Sulfate	0.005 max		

Item #	Size	Pkg Type	Qty	List
62302*GF	2.5kg	n/a	1/ea	$521.48

Pyridine

ACS Reagent Grade
CAS# 110-86-1
Pyridine, 3, UN1282, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Sulfate (SO_4)	0.001% max
Assay	99.0% min	Ammonia (NH_3)	0.002% max
Residue after Evap.	0.002% max	Copper (Cu)	5 ppm max
Water (H_2O)	0.1% max	Reducing Subs.	Passes test
Chloride (Cl)	0.001% max		

Item #	Size	Pkg Type	Qty	List
P9161-500*AQ	500mL	n/a	1/ea	$140.48

Pyridine-Barbituric Acid Reagent for Cyanide Determination

Flammable Liquid, Corrosive, n.o.s. (Pyridine, Hydrochloric Acid), 3 (8), UN2924, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Pyridine	110-86-1	ACS
Barbituric Acid	67-52-7	Reagent
Hydrochloric Acid	7647-01-0	ACS

Test	Specification
Appearance	Golden yellow liquid

Specification	Reference
Pyridine-Barbituric Acid Reagent	ASTM (D 2036 D), APHA (4500-CN- K), APHA (4500-CN- E)
Pyridine-Barbituric Acid Reagent	APHA (4500-CN- H), EPA (SW-846) (9014), EPA (SW-846) (9012A)
Pyridine-Barbituric Acid Reagent	EPA (335.3), EPA (335.2), ASTM (D 2036 B)
Pyridine-Barbituric Acid Reagent	ASTM (D 2036 A), ASTM (D 2036 C), ASTM (D 4165)
Pyridine-Barbituric Acid Reagent	ASTM (D 4282), ASTM (D 2036 A1)

Item #	Size	Pkg Type	Qty	List
6584-16*RC	500mL	Amb glass	1/ea	$196.46
6584-32*RC	1L	Amb glass	1/ea	$313.95

Redox Buffer (Zobell's) 229 mV @ 25°C

Prepared to APHA 2580 B
Not-Regulated

Test	Specification
Appearance & Color	Clear yellow liquid

Item #	Size	Pkg Type	Qty	List
7800-500*AQ	500mL	n/a	1/ea	$66.72

Rhodium AA Standard 1000 ppm Rh in 3% HCl

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	Trace Metals
Rhodium (III) Chloride Hydrate	20765-98-4	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Red-brown liquid	
Rhodium (Rh)	995 - 1005 ppm	3144

Specification	Reference
Rhodium AA Std., 1 mL = 1 mg Rh (1,000 ppm Rh) RhCl3 in 3% HCl	EPA (265.1)

Item #	Size	Pkg Type	Qty	List
ARH1KH-100*RC	100mL	Natural LDPE	1/ea	$356.15

Rinse Solution, High Purity Water for Rinsing Electrodes & other Laboratory Instruments

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP

Test	Specification
Appearance	Colorless liquid

Item #	Size	Pkg Type	Qty	List
6648-16*RC	500mL	Natural poly	1/ea	$29.19

Safranine, Aqueous-Alcoholic Counterstain for Gram Staining

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Safranine O	477-73-6	Certified

Test	Specification
Appearance	Dark red liquid
UV/Visible Spectrum	To pass test

Specification	Reference
Counterstain	EPA (SW-846) (9131), ASTM (D 5916)

Item #	Size	Pkg Type	Qty	List
6680-32*RC	1L	Natural poly	1/ea	$122.41

Scandium ICP Standard 10,000 ppm Sc in 5% HNO_3

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Scandium Oxide	12060-08-1	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Scandium (Sc)	9950 - 10050 ppm	3148

Specification	Reference
Scandium ICP, 10,000 ppm in HNO3	EPA (200.7)

Item #	Size	Pkg Type	Qty	List
PSC10KN-100*RC	100mL	Natural LDPE	1/ea	$553.33

Silica Gel 6-18 Mesh Grade 42

CAS# 1343-98-2

Not-Regulated

Test	Specification
Appearance	Solid blue granules

Screen Analysis Specification	Min / Max
On 6 Mesh	2.0% max
Thru 6 Mesh, on 12 Mesh	55.0% min
Thru 12, on 18 Mesh	19.0% min
Thru 18 Mesh	3.5% max
Thru 20 Mesh	0.5% max

Adsorption/Relative Humidity	10	20	40	60	80
% by weight	5.5	10.0	19.0	28.0	33.0

Item #	Size	Pkg Type	Qty	List
S1414-500*AQ	500g	n/a	1/ea	$126.37
S1414-12*AQ	12kg	n/a	1/ea	$1528.56

Silica Standard 1000 ppm SiO_2 (467 ppm Si)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Metasilicate	6834-92-0	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (Colorimetric)	995 - 1005 ppm SiO_2	3150

Specification	Reference
Stock Silica Soln.	APHA (4500-SiO2 C)
Stock Silica Soln., 1,000 mg/L SiO2	EPA (370.1)

Item #	Size	Pkg Type	Qty	List
6750-16*RC	500mL	Natural poly	1/ea	$114.66

Ultrasonic Baths

Water Baths

Silica Standard 1000 ppm

Certified

Not-Regulated

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8250-500*AQ	500mL	n/a	1/ea	$54.16
8250-1*AQ	1L	n/a	1/ea	$87.26

Silicon AA Standard 1000 ppm Si in H_2O

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Metasilicate	6834-92-0	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Silicon (Si)	995 - 1005 ppm	3150

Item #	Size	Pkg Type	Qty	List
ASI1KW-100*RC	100mL	Natural LDPE	1/ea	$54.03

Silicon ICP Standard 1000 ppm Si in 3% HNO_3

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Hydrofluoric Acid	7664-39-3	Trace Metals
Silicon	7440-21-3	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Silicon (Si)	995 - 1005 ppm	3150

Specification	Reference
Silicon ICP Standard, 1 mL = 1 mg Si (1,000 ppm Si) Si in 3% HNO3 / Trace HF	EPA (200.7)

Item #	Size	Pkg Type	Qty	List
PSI1KN-100*RC	100mL	Natural LDPE	1/ea	$137.89

Silver Nitrate

ACS Reagent Grade

CAS# 7761-88-8

Silver Nitrate, 5.1, UN1493, PG II

Test	Specification	Test	Specification
Assay	99.0% - min	Sulfate	0.002% max
Clarity of Soln.	Passes test	Copper	0.0002% max
Chloride	0.0005% max	Iron	0.0002% max
Free Acid	Passes test	Lead	0.001% max
Subs. not Precipitated by HCI	0.01% max		

Item #	Size	Pkg Type	Qty	List
65603*GF	500g	n/a	1/ea	$2258.94

Silver Nitrate

ACS Reagent Grade, Crystal

CAS# 7761-88-8

Silver Nitrate, 5.1, UN1493, PG II

Test	Specification	Test	Specification
Appearance	White chrystalline	Sulfate (SO4)	0.002% max
Assay	99.0% min	Copper (Cu)	2 ppm max
Chloride (Cl)	5 ppm max	Iron (Fe)	2 ppm max
Free Acid	Passes test	Lead (Pb)	0.001%
Subs. not Precipitated by Hydrochloric Acid	0.01% max		

Item #	Size	Pkg Type	Qty	List
S2121-500*AQ	25g	n/a	1/ea	CALL
S2121-125*AQ	125g	n/a	1/ea	CALL

Silver Nitrate 0.01 N

N.I.S.T. Traceable

Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0100 +/- 0.0001 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8387-500*AQ	500mL	n/a	1/ea	$27.34

Silver Nitrate 0.0100 N (N/100)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Silver Nitrate	7761-88-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Chloride/Potassium Chromate)	0.00998 - 0.01002 N @ 20°C	999

Specification	Reference
Silver Nitrate Soln., Std. (0.01 N)	ASTM (D 2384), ASTM (D 2036 A), ASTM (D 2036 B)
Silver Nitrate Soln., Std. (0.01 N)	ASTM (D 2036 C), ASTM (D 2036 D)

Item #	Size	Pkg Type	Qty	List
6850-2.5*RC	10L	Cubitainer®	1/ea	$420.81

Silver Nitrate 0.0141 N (0.0141 M)
1 mL = 0.5 mg Cl^-

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Silver Nitrate	7761-88-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Chloride/Potassium Chromate	0.01408 - 0.01412 N @ 20°C	999

Specification	Reference
Std. Silver Nitrate Titrant, 0.0141 M	APHA (4500-Cl- B), APHA (4500-Cl- D)

Item #	Size	Pkg Type	Qty	List
6860-16*RC	500mL	Amb poly	1/ea	$52.49
6860-1*RC	1L	Black poly	1/ea	$165.49

Silver Nitrate 0.0171 N
1 mL = 1 mg NaCl

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Silver Nitrate	7761-88-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Chloride/Potassium Chromate)	0.01709 - 0.01711 N @ 20°C	999

Specification	Reference
Std. Silver Nitrate Titrant, 0.0141 M	APHA (4500-Cl- B), APHA (4500-Cl- D)

Item #	Size	Pkg Type	Qty	List
6900-1*RC	1L	Black poly	1/ea	$204.90
6900-5*RC	20L	Cubitainer®	1/ea	$749.54

Silver Nitrate 0.0192 N Aqueous

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0192 ± 0.000 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8400-500*AQ	500mL	n/a	1/ea	$52.90

Silver Nitrate 0.0500 N (N/20)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Silver Nitrate	7761-88-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Chloride/Potassium Chromate)	0.04995 - 0.05005 N @ 20°C	999

Specification	Reference
Silver Nitrate, 0.05 N	TAPPI (T 625 cm-85)

Item #	Size	Pkg Type	Qty	List
6970-32*RC	1L	Amb poly	1/ea	$154.44
6970-1*RC	4L	Black poly	1/ea	$447.58
6970-5*RC	20L	Cubitainer®	1/ea	$1460.27

Silver Nitrate 0.050 N

N.I.S.T. Traceable
Actual Normality = 0.0495 - 0.0505
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0500 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8435-1*AQ	1L	n/a	1/ea	$83.17

Silver Nitrate 0.100 N (N/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Silver Nitrate	7761-88-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Chloride/Potassium Chromate)	0.0999 - 0.1001 N @ 20°C	999

Specification	Reference
Silver Nitrate Std. Soln. (0.10 N)	ASTM (D 287 M), ASTM (D 2187 H), ASTM (D 2187 I)
Silver Nitrate, Std. Soln. (0.10 N)	ASTM (D 2187 J), ASTM (D 2187 K), ASTM (D 2187 L)
Silver Nitrate Soln., Std. (0.1 N)	ASTM (D 2384)
Silver Nitrate Soln., Std. (0.10 N)	ASTM (D 4548)
Silver Nitrate, 0.1 N	TAPPI (T 624 cm-85), TAPPI (T 625 cm-85), TAPPI (T 613 cm-83)
Silver Nitrate, 0.1 N	TAPPI (T 610 sp-97)
Standardized 0.1 N AgNO3	TAPPI (T 611 cm-97)
Silver Nitrate, 0.1 N Vs	ASTM (E 200), ACS (N/A)
Silver Nitrate, 0.10 N	EPA (SW-846) (9080)
Std. Silver Nitrate Soln. (0.10 N)	EPA (SW-846) (9215)
0.1 M Silver Nitrate Vs	EP (3005600)
Silver Nitrate TS	USP (N/A)
Silver Nitrate, Tenth-N (0.1 N) Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
7000-1*RC	4L	Black poly	1/ea	$619.23
7000-5*RC	20L	Cubitainer®	1/ea	$2342.82

Silver Nitrate 0.1 N

FOXPURE®
CAS# 7761-88-8
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.1000 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
S410-4*FX	4L	n/a	1/ea	CALL
S410-4*FX	4L	n/a	4/cs	CALL
S410-20*FX	20L	n/a	1/ea	CALL

Silver Nitrate 0.1 N

Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.1000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8430-1*AQ	1L	n/a	1/ea	$111.11

Silver Nitrate 0.141 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0141 ± 0.0003 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8370-1*AQ	1L	n/a	1/ea	$68.03

Silver Nitrate 0.141 N Aqueous

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.1410 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8432-1*AQ	1L	n/a	1/ea	$158.39
8432-4*AQ	4L	n/a	1/ea	$561.56

Silver Nitrate

Silver Nitrate 0.141 N
1 mL = 5 mg Cl^-

RQ, Environmentally Hazardous Substance, Liquid, n.o.s. (Silver Nitrate), 9, UN3082, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Silver Nitrate	7761-88-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Chloride/Potassium Chromate)	0.1409 - 0.1411 N @ 20°C	999

Specification	Reference
Silver Nitrate Soln., Std. (Equivalent to 5 mg Cl^-/mL)	ASTM (D 4458)

Item #	Size	Pkg Type	Qty	List
7002-32*RC	1L	Amb poly	1/ea	$290.90

Silver Nitrate 0.171 N
1 mL = 10 mg NaCl

RQ, Environmentally Hazardous Substance, Liquid, n.o.s. (Silver Nitrate), 9, UN3082, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Silver Nitrate	7761-88-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Chloride/Potassium Chromate)	0.1709 - 0.1711 N @ 20°C	999

Item #	Size	Pkg Type	Qty	List
7003-32*RC	1L	Amb poly	1/ea	$385.90

Silver Nitrate 0.282 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.2820 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8450-500*AQ	500mL	n/a	1/ea	$160.18
8450-1*AQ	1L	n/a	1/ea	$257.37

Silver Nitrate 0.500 N (N/2)

RQ, Environmentally Hazardous Substance, Liquid, n.o.s. (Silver Nitrate), 9, UN3082, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Silver Nitrate	7761-88-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Chloride/Potassium Chromate)	0.4998 - 0.5002 N @ 20°C	999

Item #	Size	Pkg Type	Qty	List
7020-1*RC	4L	Black poly	1/ea	$2938.67

Silver Nitrate 0.5 N

Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.5000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8460-4*AQ	4L	n/a	1/ea	$1438.10

Silver Nitrate Solution 0.01 N in IPA

ASTM D3227-13
Flammable Liquid, n.o.s. (Isopropanol), 3, UN1993, PG II

Test	Specification	Test	Specification
Actual Normality	0.0100 ± 0.0003 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8375-4*AQ	4L	n/a	1/ea	$201.65

Silver Nitrate 0.0100 N (N/100) in IPA

Isopropanol Solution, 3, UN1219, PG II

Name	CAS#	Grade
Isopropyl Alcohol	67-63-0	ACS/USP
Water	7732-18-5	ACS/ASTM/USP/EP
Silver Nitrate	7761-88-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Chloride/Potassium Chromate)	0.00995 - 0.01005 N @ 20°C	999

Specification	Reference
Silver Nitrate, Std. Alcoholic Soln. (0.010 mol/L)	ASTM (D 3227)

Item #	Size	Pkg Type	Qty	List
7026-32*RC	1L	Amb poly	1/ea	$244.73
7026-1*RC	4L	Black poly	1/ea	$425.58

Soda Lime, Indicating, 4-8 Mesh

ACS Reagent Grade
CAS# 8006-28-8
Not-Regulated

Test	Specification	Test	Specification
Loss on Drying @ 200°C	7% max	Fines (%)	1% max
Carbon Dioxide Absorption Capacity (%)	19% - min		

Item #	Size	Pkg Type	Qty	List
66356*GF	500g	n/a	1/ea	$112.82

Sodium 1-Octanesulfonate, Monohydrate

CAS# 207596-29-0
Not-Regulated

Test	Specification	Test	Specification
Assay	99% - min	Suitability for Ion Chromatography	Passes test

Item #	Size	Pkg Type	Qty	List
16283*GF	100g	n/a	1/ea	$561.69

Sodium AA Standard 1000 ppm Na in H_2O

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Silver Nitrate/Potassium Chromate)	995 - 1005 ppm Na	999

Item #	Size	Pkg Type	Qty	List
ANA1KW-500*RC	500mL	Natural poly	1/ea	$130.98

Sodium Acetate Anhydrous

ACS Reagent Grade, Powder
CAS# 127-09-3
Not-Regulated

Test	Specification	Test	Specification
Appearance	White deliquescent powder	Calcium (Ca)	0.005% max
Assay	99.0% min	Insoluble Matter	0.01% max
Loss on Drying	1.0% max	Phosphate (PO_4)	0.001% max
Heavy Metals (as Pb)	0.001% max	Magnesium (Mg)	0.002% max
Chloride (Cl)	0.002% max	Iron (Fe)	0.001% max
Sulfate (SO_4)	0.003% max		

Item #	Size	Pkg Type	Qty	List
S2420-500*AQ	500g	n/a	1/ea	$108.31

Autoclave Accessories

Sodium Acetate Anhydrous

Laboratory Grade, Powder
CAS# 127-09-3
Not-Regulated

Test	Specification	Test	Specification
Appearance	White deliquescent powder	Ca, Mg (Turbidity)	0.01% max
Assay	99 - 101%	Water-Insoluble Matter	0.05% max
Loss on Drying	2.0% max	Arsenic (As)%	0.00013% max
Heavy Metals (as Pb)	0.001% max	Alkalinity (AS NaOH)%	0.2% max
Chloride (Cl)	0.035% max	Iron	0.001% max
Potassium Compounds	Pass test	pH (5% SOLN)	7.5 - 9.2
Sulfate (SO_4)	0.005% max		

Item #	Size	Pkg Type	Qty	List
S2422-500*AQ	500g	n/a	1/ea	$37.76

Sodium Acetate Buffer

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Acetate Trihydrate	6131-90-4	ACS
Acetic Acid	64-19-7	ACS

Test	Specification
Appearance	Colorless liquid

Item #	Size	Pkg Type	Qty	List
R7126700-1A*RC	1L	Natural poly	1/ea	$190.90

Sodium Acetate Trihydrate

ACS Reagent Grade
CAS# 6131-90-4
Not-Regulated

Test	Specification	Test	Specification
Assay	99.0 - 101.0%	Magnesium (Mg)	max 0.002%
Calcium (Ca)	max 0.005%	pH of 5% Soln.	7.5 - 9.2
Chloride (Cl)	max 0.001%	Phosphate (PO_4)	max 5 ppm
Heavy Metals (as Pb)	max 5 ppm	Potassium (K)	max 0.005%
Insoluble Matter	max 0.005%	Subs. Red. Permanganate	To pass test
Iron (Fe)	max 5 ppm	Sulfate (SO_4)	max 0.002%

Item #	Size	Pkg Type	Qty	List
RDCS0250-500B1*RC	500g	Poly	1/ea	$88.79

Sodium Acetate Trihydrate

ACS Reagent Grade, Crystal
CAS# 6131-90-4
Not-Regulated

Test	Specification	Test	Specification
Appearance	Colorless crystalline	Sulfate (SO_4)	0.002% max
Assay	99 - 101%	Calcium (Ca)	0.005% max
Insoluble Matter	0.005% max	Phosphate (PO_4)	5 ppm max
Heavy Metals (as Pb)	5 ppm max	Magnesium (Mg)	0.002% max
Chloride (Cl)	0.001% max	Iron (Fe)	5 ppm max
Potassium (K)	0.005% max		

Item #	Size	Pkg Type	Qty	List
S2412-2.5*AQ	2.5kg	n/a	1/ea	$189.59

Sodium Arsenite 0.5% w/v Solution

Toxic Liquid, Inorganic, n.o.s. (Sodium Arsenite), 6.1, UN3287, PG II

Test	Specification	Test	Specification
Verification	0.50 +- 0.01% w/v Sodium Arsenite	Appearance & Color	Clear pale yellow liquid

Item #	Size	Pkg Type	Qty	List
8560-500*AQ	500mL	n/a	1/ea	$36.22

Lab safety is important.
Ask your Rep about spill containment & clean-up options!

Sodium Azide

ACS Reagent Grade
CAS# 26628-22-8
Sodium Azide, Marine Pollutant, 6.1, UN1687, PG II

Test	Specification	Test	Specification
Assay	99.0% - min	Appearance	White to off-white crystal/powder
Insoluble Matter	0.05% max	Fe	10 ppm max
Loss on Drying (at 105°C) (%)	0.1% max	Heavy Metals (as Pb)	10 ppm max
Titrable base	0.05 meq/g max		

Item #	Size	Pkg Type	Qty	List
66523*GF	2.5kg	n/a	1/ea	$1042.15

Sodium Benzoate

Laboratory Grade, Powder
CAS# 532-32-1
Not-Regulated

Test	Specification	Test	Specification
Appearance	White deliquescent powder	Phenolics, ppm	1
Assay	99.9%	Water/Loss on Drying%	.2% min / 1.5% max
Arsenic (as As) ppm	< 2 ppm	Alkalinity%	.00 min / .04% max
Heavy Metals (as Pb)	< 5 ppm	Chlorides < 100 ppm	Pass
Lead, ppm	< 2 ppm		

Item #	Size	Pkg Type	Qty	List
S2492-12*AQ	12kg	n/a	1/ea	$446.53

Sodium Bicarbonate

FOXPURE® ACS Reagent Grade
CAS# 144-55-8
Not-Regulated

Test	Specification	Test	Specification
Assay (NaHCO3) Dried Basis	99.7 - 100.3%	Sulfur Compounds (as SO4)	0.003% max
Ammonium (NH4)	5 ppm max	Magnesium (Mg)	0.005% max
Heavy Metals (as Pb)	5 ppm max	Potassium (K)	0.005% max
Iron (Fe)	0.001% max	Insoluble Matter	0.015% max
Phosphate (PO4)	0.001% max	Calcium (Ca)	0.02% max
Chloride (Cl)	0.003% max		

Item #	Size	Pkg Type	Qty	List
S417-2*FX	500g	n/a	1/ea	CALL
S417-2*FX	500g	n/a	6/cs	CALL

Sodium Bicarbonate

ACS Reagent Grade
CAS# 144-55-8
Not -Regulated

Test	Specification	Test	Specification
Assay	99.7 - 100.3%	Calcium	0.02% max
Insoluble	0.015% max	Magnesium	0.005% max
Chloride	0.003% max	Heavy Metals (by ICP-OES)	0.0005% max
Phosphate	0.001% max	Iron	0.001% max
Sulfur Compounds (as SO4)	0.003% max	Potassium	0.005% max
Ammonium	0.0005% max		

Item #	Size	Pkg Type	Qty	List
66601*GF	500g	n/a	1/ea	$62.94
66602*GF	2.5kg	n/a	1/ea	$145.05

Sodium Bicarbonate

ACS Reagent Grade
CAS# 144-55-8
Not-Regulated

Test	Specification	Test	Specification
Ammonium (NH_4)	max 5 ppm	Iron (Fe)	max 0.001%
Assay (Dried Basis)	99.7 - 100.3%	Magnesium (Mg)	max 0.005%
Calcium (Ca)	max 0.02%	Phosphate (PO_4)	max 0.001%
Chloride (Cl)	max 0.003%	Potassium (K)	max 0.005%
Heavy Metals (as Pb)	max 5 ppm	Sulfur Compounds (as SO_4)	max 0.003%
Insoluble Matter	max 0.015%		

Item #	Size	Pkg Type	Qty	List
RDCS0300-500B1*RC	500g	Poly	1/ea	$68.71

Sodium Bicarbonate

ACS Reagent Grade, Powder
CAS# 144-55-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White deliquescent powder	Phosphate (PO_4)	0.001% max
Assay	99.7 - 100.3%	Sulfur Compounds (as SO_4)	0.003% max
Insoluble Matter	0.015% max	Ammonium (NH_4)	5 ppm max
Heavy Metals (as Pb)	5 ppm max	Calcium (Ca)	0.02% max
Iron (Fe)	0.001% max	Magnesium (Mg)	0.005% max
Chloride (Cl)	0.003% max	Potassium (K)	0.005% max

Item #	Size	Pkg Type	Qty	List
S2498-500*AQ	500g	n/a	1/ea	$54.27
S2498-2.5*AQ	2.5kg	n/a	1/ea	$121.17
S2498-12*AQ	12kg	n/a	1/ea	$239.25

Sodium Borate, Decahydrate

ACS Reagent Grade
CAS# 1303-96-4
Not-Regulated

Test	Specification	Test	Specification
Assay	99.5 - 105.0%	Iron (Fe)	max 5 ppm
Calcium (Ca)	max 0.005%	pH of a 0.01 M Soln.	9.15 - 9.20
Chloride (Cl)	max 0.001%	Phosphate (PO_4)	max 0.001%
Heavy Metals (as Pb)	max 0.001%	Sulfate (SO_4)	max 0.005%
Insoluble Matter	max 0.005%		

Item #	Size	Pkg Type	Qty	List
RDCS0330-500B1*RC	500g	Poly	1/ea	$90.81

Sodium Borate, Decahydrate

ACS Reagent Grade, Granular
CAS# 1303-96-4
Not-Regulated

Test	Specification	Test	Specification
Appearance	White granules	Chloride (Cl)	0.001% max
Assay	99.5 - 105.0%	Sulfate (SO_4)	0.005% max
Insoluble Matter	0.005% max	Calcium (Ca)	0.005% max
Heavy Metals (as Pb)	0.001% max	Phosphate (PO_4)	0.001% max
Iron (Fe)	5 ppm max		

Item #	Size	Pkg Type	Qty	List
S2554-500*AQ	500g	n/a	1/ea	$83.24

Sodium Bromide

Laboratory Grade, Granular
CAS# 7647-15-6
Not-Regulated

Test	Specification	Test	Specification
Appearance	White granules	Iodides	0.01% max
Assay	99.0% min	Sulfate (SO_4)	0.005% max
pH of 5% Soln.	7.0 +/- 1.0 max	Mercury	5 ppb max
Chloride (Cl)	0.1% max	Loss on Drying	0.3% max
Heavy Metals (as Pb)	3 ppm max	Oxidizing Subs. (as $NaBrO_3$)	0.001%
Iron (Fe)	2 ppm max		

Item #	Size	Pkg Type	Qty	List
S2590-500*AQ	500g	n/a	1/ea	$60.19

Sodium Carbonate Anhydrous

ACS Reagent Grade
CAS# 497-19-8
Not-Regulated

Test	Specification	Test	Specification
Assay (Dried Basis)	min 99.5%	Loss on Heating @ 285°C	max 1.0%
Calcium (Ca)	max 0.03%	Magnesium (Mg)	max 0.005%
Chloride (Cl)	max 0.001%	Phosphate (PO_4)	max 0.001%
Heavy Metals (as Pb)	max 5 ppm	Potassium (K)	max 0.005%
Insoluble Matter	max 0.01%	Silica (SiO_2)	max 0.005%
Iron (Fe)	max 5 ppm	Sulfur Compounds (as SO_4)	max 0.003%

Item #	Size	Pkg Type	Qty	List
RDCS0390-500B1*RC	500g	Poly	1/ea	$88.79

Sodium Carbonate, Andydrous, Powder

ACS Reagent Grade
CAS# 497-19-8
Not -Regulated

Test	Specification	Test	Specification
Assay	99.5% - min	Sulfur Compounds (as SO4)	0.003% max
Insoluble	0.01% max	Heavy Metals (by ICP-OES)	0.0005% max
Loss on Heating @ 285°C	1.0% max	Iron	0.0005% max
Chloride	0.001% max	Calcium	0.03% max
Phosphate	0.001% max	Magnesium	0.005% max
Silica	0.005% max	Potassium	0.005% max

Item #	Size	Pkg Type	Qty	List
66701*GF	500g	n/a	1/ea	$93.17

Sodium Carbonate Anhydrous

ACS Reagent Grade, Granular
CAS# 497-19-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White granules	Phosphate (PO_4)	0.001% max
Assay	99.5% min	Silica (SiO2)	0.005% max
Insoluble Matter	0.01% max	Sulfur Compounds (as SO_4)	0.003% max
Heavy Metals (as Pb)	5 ppm max	Calcium (Ca)	0.03% max
Iron (Fe)	1.0% max	Magnesium (Mg)	0.005% max
Loss on Heating (285°C)	0.80% max	Potassium (K)	0.005% max
Chloride (Cl)	0.001% max		

Item #	Size	Pkg Type	Qty	List
S2599-500*AQ	500g	n/a	1/ea	$67.73
S2599-2.5*AQ	2.5kg	n/a	1/ea	$225.73

Sodium Carbonate 0.0200 N (N/50)
1 mL = 1 mg $CaCO_3$

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Carbonate	497-19-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Methyl Orange)	0.01995 - 0.02005 N @ 20°C	723

Specification	Reference
Stock Soln., 1.0 mL = 1.00 mg CaCO3	EPA (310.2)

Item #	Size	Pkg Type	Qty	List
7175-32*RC	1L	Natural poly	1/ea	$80.95

Sodium Carbonate 0.0500 N (N/20)
1 mL = 2.5 mg $CaCO_3$

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Carbonate	497-19-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Methyl Orange)	0.04999 - 0.05001 N @ 20°C	723

Specification	Reference
Sodium Carbonate Soln. (Approximately 0.05 N)	APHA (2320 B), EPA (375.4), EPA (SW-846) (9038)
Sodium Carbonate Soln., 0.05 N	EPA (310.1)

Item #	Size	Pkg Type	Qty	List
7185-16*RC	500mL	Natural poly	1/ea	$54.04
7185-32*RC	1L	Natural poly	1/ea	$80.75

Sodium Carbonate 0.05 N Solution

N.I.S.T. Traceable
APHA for Alkalinity
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0500 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8580-500*AQ	500mL	n/a	1/ea	$24.06
8580-1*AQ	1L	n/a	1/ea	$36.15

Sodium Carbonate 0.100 N (N/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Carbonate	497-19-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Methyl Orange)	0.0999 - 0.1001 N @ 20°C	723

Item #	Size	Pkg Type	Qty	List
7189-16*RC	500mL	Natural poly	1/ea	$66.27

Sodium Carbonate 1.00 N

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Carbonate	497-19-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Methyl Orange)	0.999 - 1.001 N @ 20°C	723

Item #	Size	Pkg Type	Qty	List
7190-16*RC	500mL	Natural poly	1/ea	$59.17

Sodium Carbonate 1.0 N

N.I.S.T. Traceable

Not-Regulated

Test	Specification	Test	Specification
Actual Normality	1.0000 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8576-500*AQ	500mL	n/a	1/ea	$28.63
8576-1*AQ	1L	n/a	1/ea	$44.34

Sodium Carbonate Monohydrate

ACS Reagent Grade

CAS# 5968-11-6

Not-Regulated

Test	Specification	Test	Specification
Appearance	White granules	Phosphate (PO_4)	5 ppm max
Assay	99.5% min	Silica (SiO_2)	0.005% max
Insoluble Matter	0.01% max	Sulfur Compounds (as SO_4)	0.004% max
Heavy Metals (as Pb)	5 ppm max	Calcium (Ca)	0.03% max
Iron (Fe)	5 ppm max	Magnesium (Mg)	0.005% max
Chloride (Cl)	0.001% max	Potassium (K)	0.005% max

Item #	Size	Pkg Type	Qty	List
S2624-500*AQ	2.5kg	n/a	1/ea	$71.52

Sodium Chlorate

ACS Reagent Grade

CAS# 7775-09-9

Sodium Chlorate, 5.1, UN1495, PG II

Test	Specification	Test	Specification
Assay	99.0% - min	Heavy Metals (as Pb)	0.001% max
Insoluble	0.005% max	Iron	0.0005% max
Bromate (%)	0.015% max	Calcium	0.002% max
Chloride	0.005% max	Magnesium	0.002% max
Sulfate	0.001% max	Potassium	0.01% max

Item #	Size	Pkg Type	Qty	List
66781*GF	500g	n/a	1/ea	$108.94

Face Shield Options are Available!

Sodium Chlorate

ACS Reagent Grade, Crystal

CAS# 7775-09-9

Sodium Chlorate, 5.1, UN1495, PG II

Test	Specification	Test	Specification
Appearance	White granules	Sulfate (SO_4)	0.004% max
Assay	99.0% min	Barium (Ba)	Passes test
Insoluble Matter	0.005% max	Calcium (Ca)	0.002% max
Heavy Metals (as Pb)	5 ppm max	Magnesium (Mg)	0.001% max
Iron (Fe)	2 ppm max	Potassium (K)	0.005% max
Chlorate & Nitrate (as NO_3)	0.003% max	Iodide (I)	0.002% max
Phosphate (PO_4)	5 ppm max		

Item #	Size	Pkg Type	Qty	List
S2655-500*AQ	500g	n/a	1/ea	$233.36

Sodium Chloride

ACS Reagent Grade

CAS# 7647-14-5

Not-Regulated

Test	Specification	Test	Specification
Assay	99.0% - min	Sulfate	0.004% max
Insoluble	0.005% max	Barium	Passes test
pH of 5% Soln. @ 25°C	5.0 - 9.0 pH	Heavy Metals (by ICP-OES)	0.0005% max
Iodide	0.002% max	Iron	0.0002% max
Bromide	0.01% max	Calcium	0.002% max
Chlorate & Nitrate (as NO3)	0.003% max	Magnesium	0.001% max
Phosphate	0.0005% max	Potassium	0.005% max

Item #	Size	Pkg Type	Qty	List
66801*GF	500g	n/a	1/ea	$61.15
66802*GF	2.5kg	n/a	1/ea	$129.55

Sodium Chloride

CAS# 7647-14-5

Not-Regulated

Test	Specification	Test	Specification
Assay	min 99.0%	Iodide (I)	max 0.002%
Barium (Ba)	To pass test	Iron (Fe)	max 2 ppm
Bromide (Br)	max 0.01%	Magnesium (Mg)	max 0.001%
Calcium (Ca)	max 0.002%	pH of 5% Soln.	5.0 - 9.0
Chlorate & Nitrate (as NO_3)	max 0.003%	Phosphate (PO_4)	max 5 ppm
Heavy Metals (as Pb)	max 5 ppm	Potassium (K)	max 0.005%
Insoluble Matter	max 0.005%	Sulfate (SO_4)	max 0.004%

Item #	Size	Pkg Type	Qty	List
RDCS0430-500B1*RC	500g	Poly	1/ea	$93.47

Sodium Chloride

ACS Reagent Grade, Crystal

CAS# 7647-14-5

Not-Regulated

Test	Specification	Test	Specification
Appearance	White solid	Insoluble Matter	0.005% max
Assay	99.0% min	Iron (Fe)	2 ppm max
Iodide (I)	0.002% max	Barium (Ba)	Passes test
Bromide (Br)	0.01% max	Heavy Metals (as Pb)	5 ppm max
Chloride & Nitrate (as NO_3)	0.003% max	Calcium (Ca)	0.002% max
Phosphate (PO_4)	5 ppm max	Magnesium (Mg)	0.001% max
Sulfate (SO_4)	0.004% max	Potassium (K)	0.005% max

Item #	Size	Pkg Type	Qty	List
S2675-12*AQ	12kg	n/a	1/ea	$214.54

Sodium Chloride

Laboratory Grade, Crystal

CAS# 7647-14-5

Not-Regulated

Test	Specification	Test	Specification
Appearance	White solid	Iron (Fe)	0.01 ppm
Assay	99.0% min	Arsenic (As)	< 1ppm
Copper (Cu)	0.10 ppm	Heavy Metals (as Pb)	< 2 ppm
Calcium / Magnesium (as Ca)	11 ppm	Loss on Drying	0.00%
Sulfate (SO_4)	0.004%		

Item #	Size	Pkg Type	Qty	List
S2686-12*AQ	12kg	n/a	1/ea	$138.43

Sodium Chloride 0.0500 N (N/20)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Silver Nitrate/Potassium Chromate)	0.04995 - 0.05005 N @ 20°C	999

Item #	Size	Pkg Type	Qty	List
R7222050-1A*RC	1L	Natural poly	1/ea	$362.06

Sodium Chloride 0.2% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Silver Nitrate/Potassium Chromate)	0.199 - 0.201% (w/v)	999

Item #	Size	Pkg Type	Qty	List
7195-1*RC	4L	Natural poly	1/ea	$320.92

Sodium Chloride 0.2% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Silver Nitrate/Potassium Chromate)	0.199 - 0.201% (w/v)	999

Item #	Size	Pkg Type	Qty	List
R7195000-4A*RC	4L	Natural poly	1/ea	$320.92

Sodium Chloride 5% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Silver Nitrate/Potassium Chromate)	4.994 - 5.006% (w/v)	999

Specification	Reference
Sodium Chloride Soln. (50 g/L)	ASTM (D 2187 E), ASTM (D 2187 G)
Sodium Chloride Soln. (50 g/L)	ASTM (D 2187 H), ASTM (D 2187 I)

Item #	Size	Pkg Type	Qty	List
7215-16*RC	500mL	Natural poly	1/ea	$47.76

Sodium Chloride 5.0% w/v

Not-Regulated

Test	Specification	Test	Specification
Verification	5.00 +- 0.01% w/v NaCl	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8585-1*AQ	1L	n/a	1/ea	$31.63

Sodium Chloride Conductivity Standard 1413 µS/cm @ 25°C

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification	Uncertainty	N.I.S.T. SRM#
Appearance	Colorless liquid		
Conductivity @ 25°C (Method: SQCP031, SQCP033)	1412 - 1414 µS/cm	8.6 µS/cm	999

Item #	Size	Pkg Type	Qty	List
2236.52-5*RC	20L	Cubitainer®	1/ea	$812.85

Sodium Chloride RV, EP Primary Standard

CAS# 7647-14-5

Not-Regulated

Test	Specification
Appearance	Colorless/white solid

Specification	Reference
Sodium Chloride RV	EP (2000600)

Item #	Size	Pkg Type	Qty	List
7227.8-50G*RC	50g	Poly	1/ea	$277.39

Sodium Chloride Standard 1.00% (w/w)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Silver Nitrate/Potassium Chromate)	0.99 - 1.01% (w/w)	999

Item #	Size	Pkg Type	Qty	List
7213-16*RC	500mL	Natural poly	1/ea	$66.57

Sodium Chloride-Hydroxylamine Sulfate Solution for Cold Vapor Atomic Absorption Analysis

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS
Hydroxylamine Sulfate	10039-54-0	ACS

Test	Specification
Appearance	Colorless liquid

Specification	Reference
Sodium Chloride-Hydroxylamine Sulfate Soln.	APHA (3112 B), EPA (SW-846) (7471A), EPA (SW-846) (7470A)
Sodium Chloride-Hydroxylamine Hydrochloride Soln.	EPA (245.1), EPA (245.2), EPA (245.5)
Sodium Chloride-Hydroxylamine Sulfate Soln. (120 g/L)	ASTM (D 3223)

Item #	Size	Pkg Type	Qty	List
7194-32*RC	1L	Natural poly	1/ea	$269.42

Sodium Chromate, Anhydrous

Laboratory Grade, Crystal

CAS# 7775-11-3

Oxidizing Solid, Corrosive, n.o.s. (Sodium Chromate), 5.1 (8), PG III

Test	Specification
Appearance	Yellow solid

Item #	Size	Pkg Type	Qty	List
RDCS0445-500B1*RC	500g	Poly	1/ea	$190.22

Sodium Chromate 2% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chromate Tetrahydrate	10034-82-9	Reagent

Test	Specification
Appearance	Yellow liquid
Refractive Index	To pass test

Item #	Size	Pkg Type	Qty	List
7234-32*RC	1L	Natural poly	1/ea	$436.58

We have many different types of stoppers.
Cork, glass, polyethylene, rubber & silicone.

Sodium Citrate Dihydrate
ACS Reagent Grade
CAS# 6132-04-3
Not-Regulated

Test	Specification	Test	Specification
Ammonia (NH_3)	max 0.003%	Insoluble Matter	max 0.005%
Assay	min 99.0%	Iron (Fe)	max 5 ppm
Calcium (Ca)	max 0.005%	pH of 5% Soln.	7.0 - 9.0
Chloride (Cl)	max 0.003%	Sulfate (SO_4)	max 0.005%
Heavy Metals (as Pb)	max 5 ppm		

Item #	Size	Pkg Type	Qty	List
RDCS0450-500B1*RC	500g	Poly	1/ea	$78.62

Sodium Citrate Dihydrate
ACS Reagent Grade, Crystal
CAS# 6132-04-3
Not-Regulated

Test	Specification	Test	Specification
Appearance	White to pale yellow powder	Sulfate (SO_4)	0.005% max
Assay	99.0 min	Ammonia (NH_4)	0.003% max
Insoluble Matter	0.005% max	Calcium (Ca)	0.005% max
Heavy Metals (as Pb)	5 ppm max	Iron (Fe)	5 ppm max
Chloride (Cl)	0.003% max		

Item #	Size	Pkg Type	Qty	List
S2779-2.5*AQ	2.5kg	n/a	1/ea	$225.73

Sodium Citrate Dihydrate
Laboratory Grade, Crystal
CAS# 6132-04-3
Not-Regulated

Test	Specification	Test	Specification
Appearance	White to pale yellow powder	Chloride	≤ 50 mg/kg
Assay	99.0 - 100.50%	Arsenic	≤ 1.0 mg/kg
Water (Loss on Drying)	11.00 - 13.00%	Lead	≤ 0.5 mg/kg
pH in 5% Soln.	7.50 - 9.00	Mercury	≤ 100 mg/kg
Heavy Metals	≤ 5 mg/kg	Oxalic Acid / Oxalate	≤ 100.0 mg/kg

Item #	Size	Pkg Type	Qty	List
S2780-500*AQ	500g	n/a	1/ea	$45.50
S2780-2.5*AQ	2.5kg	n/a	1/ea	$159.18

Sodium Cyanide 10% (w/v)
Sodium Cyanide Solution, 6.1, UN3414, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Cyanide	143-33-9	ACS

Test	Specification
Appearance	Colorless liquid

Item #	Size	Pkg Type	Qty	List
2525-32*RC	1L	Natural poly	1/ea	$124.68

Sodium Dodecyl. Sulfate (SDS)
ACS Reagent Grade
CAS# 151-21-3
Flammable Solids, Organic, n.o.s. (Sodium Dodecyl Sulfate), 4.1, UN1325, PG III

Test	Specification	Test	Specification
Assay (Dried Basis)	99.0% - min	Titrable Base	0.06 meq/g max
Fatty alcohols (as C12H25OH) (%)	96.0% - min	Heavy Metals	0.002% max
Absorbance of 3% Soln.	0.1 max	Unsulfated Alcohol(%)	4.0% max
Loss on Drying @105°C (%)	1.0% max		

Item #	Size	Pkg Type	Qty	List
67233*GF	2.5kg	n/a	1/ea	$1271.63

Sodium Fluoride
ACS Reagent Grade
CAS# 7681-79-4
Sodium Fluoride, 6.1, UN1690, PG III

Test	Specification	Test	Specification
Assay	99% - min	Sodium Fluosilicate (%)	0.1% max
Insoluble	0.02% max	Sulfate	0.03% max
Loss on Drying @ 150°C	0.3% max	Sulfite	0.005% max
Chloride	0.005% max	Heavy Metals (as Pb)	0.003% max
Titrable Acid	0.03 meq/g max	Iron	0.003% max
Titrable Base	0.01 meq/g max	Potassium	0.02% max

Item #	Size	Pkg Type	Qty	List
67351*GF	500g	n/a	1/ea	$151.46

Sodium Fluoride
ACS Reagent Grade, Powder
CAS# 7681-49-4
Sodium Fluoride, 6.1, UN1690, PG III

Test	Specification	Test	Specification
Appearance	White powder	Sodium Fluosilicate (Na_2SiF_6)	0.1% max
Assay	99% min	Sulfate (SO_4)	0.03% max
Insoluble Matter	0.02% max	Sulfite (SO_2)	0.005% max
Loss on Drying	0.3% max	Heavy Metals (as Pb)	0.003% max
Chloride (Cl)	0.005% max	Iron (Fe)	0.003% max
Titrable Acid	0.03 meq/g max	Potassium (K)	0.02% max
Titrable Base	0.01 meq/g max		

Item #	Size	Pkg Type	Qty	List
S2913-125*AQ	125g	n/a	1/ea	$78.16
S2913-500*AQ	500g	n/a	1/ea	$129.37

Sodium Gluconate FCC Special Brand
Laboratory Grade
CAS# 527-07-1
Not-Regulated

Test	Specification	Test	Specification
Assay of Material	99.0 - 101.0%	pH Value	5.5 - 7.5

Item #	Size	Pkg Type	Qty	List
S2920-500*AQ	500g	n/a	1/ea	$44.30

Sodium Hexametaphosphate, 99%
CAS# 10124-56-8
Not-Regulated

Test	Specification
Assay (Metals Basis)	99% - min

Item #	Size	Pkg Type	Qty	List
67551*GF	500g	n/a	1/ea	$59.34
67552*GF	2.5kg	n/a	1/ea	$152.38

Sodium Hydroxide
ACS Reagent Grade
CAS# 1310-73-2
Sodium Hydroxide Solution, 8, UN1824, PG II

Test	Specification	Test	Specification
Assay	97.0% - min	Iron	0.001% max
Sodium Carbonate (%)	1.0% max	Mercury	0.00001% max
Chloride	0.005% max	Nickel	0.001% max
Nitrogen Compounds (N)	0.001% max	Calcium	0.005% max
Phosphate	0.001% max	Magnesium	0.002% max
Sulfate	0.003% max	Potassium	0.02% max
Heavy Metals (as Ag)	0.002% max		

Item #	Size	Pkg Type	Qty	List
67801*GF	500g	n/a	1/ea	$68.86
67802*GF	2.5kg	n/a	1/ea	$178.09

Sodium Hydroxide

Reagent, ACS, Pellets
CAS# 1310-73-2
Sodium Hydroxide, Solid, 8, UN1823, PG II

Test	Specification	Test	Specification
Appearance	White solid	Heavy Metals (as Ag)	0.002% max
Assay	97.0% min	Calcium (Ca)	0.005% max
Nickel (Ni)	0.001% max	Iron (Fe)	0.001% max
Chloride (Cl)	0.005% max	Mercury (Hg)	0.1 ppm max
Phosphate (PO_4)	0.001% max	Potassium (K)	0.02% max
Sulfate (SO_4)	0.003% max	Magnesium (Mg)	0.002% max
Nitrogen Compounds (as N)	0.001% max		

Item #	Size	Pkg Type	Qty	List
S2927-500*AQ	500g	n/a	1/ea	$51.47
S2927-1*AQ	1kg	n/a	1/ea	$81.22
S2927-2.5*AQ	2.5kg	n/a	1/ea	$196.02

Sodium Hydroxide

ACS Reagent Grade, Pellets
CAS# 1310-73-2
Sodium Hydroxide, Solid, 8, UN1823, PG II

Test	Specification	Test	Specification
Assay	min 97.0%	Nickel (Ni)	max 0.001%
Calcium (Ca)	max 0.005%	Nitrogen Compounds (as N)	max 0.001%
Chloride (Cl)	max 0.005%	Phosphate (PO_4)	max 0.001%
Heavy Metals (as Ag)	max 0.002%	Potassium (K)	max 0.02%
Iron (Fe)	max 0.001%	Sodium Carbonate (Na_2CO_3)	max 1.0%
Magnesium (Mg)	max 0.002%	Sulfate (SO_4)	max 0.003%
Mercury (Hg)	max 0.1 ppm		

Item #	Size	Pkg Type	Qty	List
RDCS0530-1000B1*RC	1kg	White poly	1/ea	$176.54

Sodium Hydroxide

Laboratory Grade, Pellets
CAS# 1310-73-2
Sodium Hydroxide, Solid, 8, UN1823, PG II

Test	Specification	Test	Specification
Appearance	White solid	Heavy Metals (as Ag)	≤ 0.0005%
Assay (NaOH)	99%	Calcium (Ca)	≤ 0.005%
Carbonate (as Na_2CO_3)	0.3%	Iron (Fe)	≤ 0.0005%
Chloride (Cl)	≤ 0.0005%	Mercury (Hg)	≤ 0.00001%
Phosphate (PO_4)	≤ 0.0005%	Potassium (K)	≤ 0.02%
Silicate (SiO_2)	≤ 0.001%	Magnesium (Mg)	≤ 0.002%
Sulphate (SO_4)	≤ 0.0005%	Nickel (Ni)	≤ 0.0005%
Total Nitrogen (N)	≤ 0.0003%		

Item #	Size	Pkg Type	Qty	List
S2929-500*AQ	500g	n/a	1/ea	$45.97

Sodium Hydroxide

Technical Grade, Flake
CAS# 1310-73-2
Sodium Hydroxide, Solid, 8, UN1823, PG II

Test	Specification	Test	Specification
Appearance	White deliquescent crystals	Aluminum	40 ppm max
Sodium Hydroxide (NaOH)	98% min	Magnesium	30 ppm max
Sodium Carbonate (Na2CO_3)	0.5% max	Copper	1.5 ppm max
Iron	15 ppm max	Manganese	0.75 ppm max
Sodium Chloride (NaCl)	0.25% max	Silicon	350 ppm max
Na2O	75.5% min	Sodium Sulfate	0.1% max
Calcium	45 ppm max	NaClO3	40 ppm max
Strontium	15 ppm max		

Item #	Size	Pkg Type	Qty	List
S2935-2.5*AQ	2.5kg	n/a	1/ea	$178.38

Sodium Hydroxide 10% w/w Solution

N.I.S.T. Traceable
Sodium Hydroxide Solution, 8, UN1824, PG II

Test	Specification	Test	Specification
Actual Assay	10.000 +/- 0.050 w/w% NaOH	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8602-1*AQ	1L	n/a	1/ea	$30.72
8602-4*AQ	4L	n/a	1/ea	$84.21

Sodium Hydroxide 10% (w/v) (100 g/L)

Sodium Hydroxide Solution, 8, UN1824, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	9.96 - 10.04% (w/v)	723

Specification	Reference
Sodium Hydroxide Soln. (100 g/1000 mL)	TAPPI (T 602 cm-97)
Sodium Hydroxide Soln. (100 g/L)	ASTM (D 3866 A), ASTM (D 858 B), ASTM (D 1886 B)
Sodium Hydroxide Soln. (100 g/L)	ASTM (D 3557 B), ASTM (D 3558 B), ASTM (D 1688 B)
Sodium Hydroxide Soln. (100 g/L)	ASTM (D 3559 B), ASTM (D 1266), ASTM (D 3372)
Sodium Hydroxide Soln. (100 g/L)	ASTM (D 1266)
Sodium Hydroxide, 10% Soln.	TAPPI (T 618 cm-84)
Sodium Hydroxide RS	ACS (N/A)

Item #	Size	Pkg Type	Qty	List
7260-32*RC	1L	Natural poly	1/ea	CALL

Sodium Hydroxide 20% (w/v) (200 g/L) P4TF8-S12, Class F

Sodium Hydroxide Solution, 8, UN1824, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	19.96 - 20.04% (w/v)	723

Specification	Reference
Sodium Hydroxide Soln. (200 g/L)	ASTM (D 3590 B)
Sodium Hydroxide, 20% Soln.	TAPPI (T 625 cm-85)
Sodium Hydroxide, 20%	TAPPI (T 254 cm-85)
Stock Sodium Hydroxide (20%)	EPA (351.2)
Sodium Hydroxide Soln. R	EP (1081401)

Item #	Size	Pkg Type	Qty	List
7270-32*RC	1L	Natural poly	1/ea	$78.95

Sodium Hydroxide 30% (w/v)

Sodium Hydroxide Solution, 8, UN1824, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	7.45 - 7.55 N @ 20°C	723

Specification	Reference
Sodium Hydroxide (30% Soln.)	EPA (351.1)

Item #	Size	Pkg Type	Qty	List
7274-1*RC	4L	Natural poly	1/ea	$184.67
7274-5*RC	20L	Cubitainer®	1/ea	$413.18

Sodium Hydroxide 40% (w/v), Nitrogen Free Suitable for Kjeldahl Nitrogen Analysis

Sodium Hydroxide Solution, 8, UN1824, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Purified

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	39.8 - 40.2% (w/v)	723

Specification	Reference
Sodium Hydroxide, 40%	EPA (351.1)

Item #	Size	Pkg Type	Qty	List
7280-1*RC	4L	Natural poly	1/ea	$109.24
7280-5*RC	20L	Cubitainer®	1/ea	$339.91

Sodium Hydroxide 50% (w/w) (760 g/L)

Analytical Reagent Grade
Sodium Hydroxide Solution, 8, UN1824, PG II

Name	CAS#	Grade
Water	7732-18-5	Reagent
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Assay (vs. Sulfuric Acid/Phenolphthalein)	50 - 52% (w/w)	723
Iron (Fe)	max 5 ppm	3126
Nickel (Ni)	max 5 ppm	3136
Potassium (K)	max 0.01%	3141

Test	Specification	Test	Specification
Appearance	Colorless liquid	NH_4OH Precipitate	max 0.01%
Chloride (Cl)	max 0.002%	Nitrogen Compounds (as N)	max 5 ppm
Heavy Metals (as Ag)	max 0.001%	Phosphate (PO_4)	max 5 ppm
Sodium Carbonate (Na_2CO_3)	max 0.1%	Sulfate (SO_4)	max 0.001%

Specification	Reference
Sodium Hydroxide Soln., 50%	ASTM (D 2187 E), ASTM (D 2187 F), ASTM (D 4548)
Sodium Hydroxide Stock Soln., about 50%	TAPPI (T 235 cm-85)
Sodium Hydroxide Soln.	ASTM (D 2187 G)
Sodium Hydroxide Soln. (50% w/w)	ASTM (D 2036 A), ASTM (D 2036 B)
Sodium Hydroxide Soln. (50% w/w)	ASTM (D 2036 C), ASTM (D 2036 D)

Item #	Size	Pkg Type	Qty	List
7291-1*RC	4L	Natural poly	1/ea	$282.99

Sodium Hydroxide 50% w/v Solution

Sodium Hydroxide Solution, 8, UN1824, PG II

Test	Specification	Test	Specification
% Sodium Hydroxide w/v	49.800 - 50.200	Appearance & Color	Clear liquid

Item #	Size	Pkg Type	Qty	List
8619-20*AQ	20L	n/a	1/ea	$281.27

Sodium Hydroxide Solution 50% w/w Reagent

Sodium Hydroxide Solution, 8, UN1824, PG II

Test	Specification	Test	Specification
Appearance	Clear viscous liquid	Iron	<= 3 ppm
Assay (NaOH)	49.00 - 51.50	Sodium Chlorate	<= 20 ppm
Na2O	37.97 - 39.90	Sodium Sulfate	<= 20 ppm
Sodium Chloride	<= 100 ppm	Sodium Carbonate	0.0050%< 0.05

Item #	Size	Pkg Type	Qty	List
S2924-1*AQ	1L	n/a	1/ea	$37.93
S2924-4*AQ	4L	n/a	1/ea	$112.65

Sodium Hydroxide 50% (w/w) (760 g/L), Nitrogen Free Suitable for Kjeldahl Nitrogen Analysis

Purified Grade
Sodium Hydroxide Solution, 8, UN1824, PG II

Name	CAS#	Grade
Water	7732-18-5	Purified
Sodium Hydroxide	1310-73-2	Purified

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Hydroxide Alkalinity as NaOH	min 49.5% (w/w)	
Iron (Fe)	max 0.0008%	3126
Sodium Carbonate (Na_2CO_3)	max 0.4%	
Sodium Chloride (NaCl)	max 2.20%	
Total Alkalinity as Sodium Oxide (Na_2O)	min 38.30% (w/w)	

Specification	Reference
Sodium Hydroxide Soln., 50% by weight	TAPPI (T 418 cm-97)

Item #	Size	Pkg Type	Qty	List
7290-1*RC	4L	Natural poly	1/ea	$270.90

Sodium Hydroxide 50% (w/v) Suitable for Orsat Gas Analysis

Analytical Reagent Grade
Sodium Hydroxide Solution, 8, UN1824, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Purified

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	49.92 - 50.08% (w/v)	723

Specification	Reference
Sodium Hydroxide, Approximately 12.5 N	TAPPI (T 504 cm-97)
Sodium Hydroxide (50% w/v)	EPA (SW-846) (9013)
Sodium Hydroxide Soln. (50%)	EPA (SW-846) (9010B), EPA (SW-846) (9012A), EPA (375.2)
Sodium Hydroxide Soln. (50%)	EPA (SW-846) (9036), EPA (SW-846) (9213)
Sodium Hydroxide (50% w/v in Water)	EPA (SW-846) (9031)

Item #	Size	Pkg Type	Qty	List
7283-5*RC	20L	Cubitainer®	1/ea	$442.58

Sodium Hydroxide 0.01 N (N/100)

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0100 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8608-4*AQ	4L	n/a	1/ea	$57.03

Sodium Hydroxide 0.0100 N (N/100)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	0.00990 - 0.01010 N @ 20°C	723

Specification	Reference
Sodium Hydroxide, 0.01 N	APHA (4500-S2- E), TAPPI (T 428 om-91), TAPPI (T 610 sp-97)
Sodium Hydroxide Soln., 0.01 N	TAPPI (T 237 om-93)

Item #	Size	Pkg Type	Qty	List
7295-32*RC	1L	Natural poly	1/ea	$51.84

Sodium Hydroxide 0.0200 N (N/50) 1 mL = 1 mg $CaCO_3$

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.01995 - 0.02005 N @ 20°C	84

Specification	Reference
Sodium Hydroxide Soln. (0.8 g/L)	ASTM (D 3590 A)
Sodium Hydroxide, Std. (0.02 N)	ASTM (D 1067 A), ASTM (D 1067 B), ASTM (D 1067 C)
Std. Sodium Hydroxide Titrant, 0.02 N	APHA (2310 B), EPA (305.2)
Std. Sodium Hydroxide, 0.02 N	EPA (305.1)
Sodium Hydroxide, Working Soln., 0.8 g/L (0.02 M)	ASTM (D 4374)

Item #	Size	Pkg Type	Qty	List
7300-32*RC	1L	Natural poly	1/ea	$52.62
7300-1*RC	4L	Natural poly	1/ea	$119.20

Stir bars are available in micro, cylindrical, removable ring, pivot ring, single crosshead, hub, do-nut, colored double ended, disposable economy, triangular, disc, giant, oval, tapered, tube, spherical, triangle with rib, wing stirrers, rare earth, color coded, glass covered & box sets.

Sodium Hydroxide

Sodium Hydroxide 0.02 N Aqueous

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0200 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8610-500*AQ	500mL	n/a	1/ea	$19.76
8610-1*AQ	1L	n/a	1/ea	$26.36
8610-4*AQ	4L	n/a	1/ea	$57.03

Sodium Hydroxide 0.0200 N (N/50)
1 mL = 1 mg $CaCO_3$

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.01995 - 0.02005 N @ 20°C	84

Specification	Reference
Sodium Hydroxide Soln. (0.8 g/L)	ASTM (D 3590 A)
Sodium Hydroxide, Std. (0.02 N)	ASTM (D 1067 A), ASTM (D 1067 B), ASTM (D 1067 C)
Std. Sodium Hydroxide Titrant, 0.02 N	APHA (2310 B)
Std. Sodium Hydroxide, 0.02 N	EPA (305.1)
Std. Sodium Hydroxide Titrant, 0.02 N	EPA (305.2)
Sodium Hydroxide, Working Soln., 0.8 g/L (0.02 M)	ASTM (D 4374)

Item #	Size	Pkg Type	Qty	List
R7300000-20F*RC	20L	Cubitainer®	1/ea	$474.98

Sodium Hydroxide 0.0670 N

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.06694 - 0.06706 N @ 20°C	84

Specification	Reference
Sodium Hydroxide Soln. (0.8 g/L)	ASTM (D 3590 A)
Sodium Hydroxide, Std. (0.02 N)	ASTM (D 1067 A), ASTM (D 1067 B), ASTM (D 1067 C)
Std. Sodium Hydroxide Titrant, 0.02 N	APHA (2310 B)
Std. Sodium Hydroxide, 0.02 N	EPA (305.1)
Std. Sodium Hydroxide Titrant, 0.02 N	EPA (305.2)
Sodium Hydroxide, Working Soln., 0.8 g/L (0.02 M)	ASTM (D 4374)

Item #	Size	Pkg Type	Qty	List
R7343000-1A*RC	1L	Natural poly	1/ea	$34.24

Sodium Hydroxide 0.100 N (N/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.0999 - 0.1001 N @ 20°C	84

Specification	Reference
Sodium Hydroxide, NaOH, 0.1 N	APHA (2340 C)
Sodium Hydroxide Soln. Std. (0.10 N)	ASTM (D 2187 E), ASTM (D 1141), ASTM (D 4548)
Sodium Hydroxide Soln. Std. (0.10 N)	ASTM (D 2187 I), ASTM (D 2187 J),
Std. Sodium Hydroxide Titrant, 0.1 N	APHA (2310 B)
Sodium Hydroxide, 0.1 N	APHA (4500-Cl- C), APHA (4500-NO3- D), APHA (3500-Al B)
Sodium Hydroxide, 0.1 N	TAPPI (T 607 cm-84), EPA (SW-846) (9057),
Sodium Hydroxide, 0.1 N	TAPPI (T 610 sp-97), TAPPI (T 689 om-93)
Standardized 0.1 N NaOH	TAPPI (T 611 cm-97)
Sodium Hydroxide, Approximately 0.1 N	TAPPI (T 255 cm-97), TAPPI (T 256 cm-97)
Sodium Hydroxide, Approximately 0.1 M	TAPPI (T 218 sp-97), TAPPI (T 272 sp-97)
Sodium Hydroxide (0.1 M)	EPA (SW-846) (50), EPA (SW-846) (51)
Sodium Hydroxide, 0.1 N Standard	EPA (SW-846) (9080)
Sodium Hydroxide Soln. (0.1 M)	ASTM (D 4047)
Sodium Hydroxide Soln., Std. (0.1 mol/L)	ASTM (D 3712)
Standardized 0.1 N Sodium Hydroxide	TAPPI (T 553 pm-92)
Sodium Hydroxide, 0.1 N Vs	ACS (N/A), ASTM (E 200)
0.1 M Sodium Hydroxide Vs	EP (3006600)
Sodium Hydroxide, Tenth-N (0.1 N) Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
7350-32*RC	1L	Natural poly	1/ea	$52.58
7350-1*RC	4L	Natural poly	1/ea	$111.82
7350-2.5*RC	10L	Cubitainer®	1/ea	$254.77
7350-5*RC	20L	Cubitainer®	1/ea	$296.57

Sodium Hydroxide 0.1 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.1000 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8625-500*AQ	500mL	n/a	1/ea	$19.76
8625-1*AQ	1L	n/a	1/ea	$24.15
8625-4*AQ	4L	n/a	1/ea	$58.26
8625-10*AQ	10L	n/a	1/ea	$111.19
8625-20*AQ	20L	n/a	1/ea	$171.15

Sodium Hydroxide 0.111 N (N/9)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.1109 - 0.1111 N @ 20°C	84

Item #	Size	Pkg Type	Qty	List
7354-1*RC	4L	Natural poly	1/ea	$250.17

Sodium Hydroxide 0.1 N in Methanol

N.I.S.T. Traceable
Flammable Liquid, n.o.s. (Methanol), 3, UN1993, PG II

Test	Specification	Test	Specification
Actual Normality	0.1000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8628-4*AQ	4L	n/a	1/ea	$182.90

Biological Indicators

Sodium Hydroxide 0.100 N (N/10) in Methanol

Flammable Liquid, n.o.s. (Methanol), 3, UN1993, PG II

Name	CAS#	Grade
Methyl Alcohol	67-56-1	ACS
Sodium Hydroxide	1310-73-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	0.0995 - 0.1005 N @ 20°C	723

Item #	Size	Pkg Type	Qty	List
7472-32*RC	1L	Natural poly	1/ea	$133.00

Sodium Hydroxide 0.200 N (N/5)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.1999 - 0.2001 N @ 20°C	84

Item #	Size	Pkg Type	Qty	List
7360-32*RC	1L	Natural poly	1/ea	$53.91

Sodium Hydroxide 0.2 N (N/5)

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.2000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8630-500*AQ	500mL	n/a	1/ea	$19.76
8630-1*AQ	1L	n/a	1/ea	$24.15
8630-20*AQ	20L	n/a	1/ea	$171.15

Sodium Hydroxide 0.250 N (N/4)

Sodium Hydroxide Solution, 8, UN1824, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.2499 - 0.2501 N @ 20°C	84

Specification	Reference
Sodium Hydroxide Soln. (0.25 N)	EPA (SW-846) (9014), EPA (SW-846) (7.3.3.2)
Sodium Hydroxide Soln. (0.25 N)	EPA (SW-846) (7.3.4.2), EPA (SW-846) (9253)
Dilution Water & Receptacle Wash Water (NaOH, 0.25 N)	EPA (SW-846) (9012A)

Item #	Size	Pkg Type	Qty	List
7370-16*RC	500mL	Natural poly	1/ea	$41.76
7370-1*RC	4L	Natural poly	1/ea	$116.32
7370-5*RC	20L	Cubitainer®	1/ea	$311.43

Sodium Hydroxide 0.3125 N
Suitable for USDA Acidity Testing in Citrus Products

Sodium Hydroxide Solution, 8, UN1824, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.3124 - 0.3126 N @ 20°C	84

Item #	Size	Pkg Type	Qty	List
7374-5*RC	20L	Cubitainer®	1/ea	$314.52

Sodium Hydroxide 0.313 N Solution

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.3130 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8638-20*AQ	20L	n/a	1/ea	$171.15

Sodium Hydroxide 0.333 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.3330 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8639-20*AQ	20L	n/a	1/ea	$180.52

Sodium Hydroxide 0.333 N

N.I.S.T. Traceable
Sodium Hydroxide Solution, 8, UN1824, PG III

Test	Specification	Test	Specification
Actual Normality	0.5000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8645-4*AQ	4L	n/a	1/ea	$58.26
8645-20*AQ	20L	n/a	1/ea	$171.15

Sodium Hydroxide 0.500 N (N/2)

Sodium Hydroxide Solution, 8, UN1824, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.4998 - 0.5002 N @ 20°C	84

Specification	Reference
Std. NaOH Soln., 0.5 N	TAPPI (T 621 cm-71)
Sodium Hydroxide, Std. Soln., 0.5 M NaOH	TAPPI (T 602 cm-97)
Sodium Hydroxide, 0.5 N	TAPPI (T 610 sp-97)
Sodium Hydroxide Soln. (20 g/L)	ASTM (D 3082)
Sodium Hydroxide, 0.5 N Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
7400-32*RC	1L	Natural poly	1/ea	$52.47
7400-5*RC	20L	Cubitainer®	1/ea	$314.80

Sodium Hydroxide 1.00 N

Sodium Hydroxide Solution, 8, UN1824, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Hydrogen Phthalate/Phenolphthalein)	0.999 - 1.001 N @ 20°C	84

Specification	Reference
Sodium Hydroxide, 1 N	APHA (3500-Ca B), APHA (4500-Norg C), TAPPI (T 624 cm-85)
Sodium Hydroxide, 1 N	APHA (3500-Se E), APHA (5570 C), APHA (4500-Cl- B)
Sodium Hydroxide, 1 N	APHA (4500-Cl- D), APHA (4500-NO3- H), APHA (3500-Al B)
Sodium Hydroxide, 1 N	APHA (3500-Cr B), APHA (7500-Ra D), APHA (4500-P B)
Sodium Hydroxide, 1 N	EPA (215.2), EPA (425.1), EPA (SW-846) (9030B)
Sodium Hydroxide, 1 N	EPA (SW-846) (9066), EPA (SW-846) (1311), EPA (SW-846) (9012A)
Sodium Hydroxide, 1 N	EPA (SW-846) (9080), TAPPI (T 610 sp-97), EPA (420.2)
Sodium Hydroxide, 1 N	EPA (335.3), EPA (353.1), EPA (430.1)
Sodium Hydroxide, 1 N	EPA (430.2), EPA (352.1), EPA (350.2)
Sodium Hydroxide, 1 N	EPA (365.2), APHA (4500-NH3 B)
1 M Sodium Hydroxide	EP (N/A)
Sodium Hydroxide Stock Soln., 1 N	APHA (4500-S2- E)
Sodium Hydroxide Soln., 1 M	EPA (SW-846) (7197), EPA (218.3), EPA (218.4)
Std. Sodium Hydroxide Soln., 1 N	EPA (305.2)
Alkali Soln., 1 N	APHA (5210 B)
Sodium Hydroxide, 1 N Vs	ACS (N/A), USP (N/A), ACS (N/A), USP (N/A)
1 M Sodium Hydroxide Vs	EP (3006300)

Item #	Size	Pkg Type	Qty	List
7450-4*RC	120mL	Natural poly	1/ea	$31.13
7450-16*RC	500mL	Natural poly	1/ea	$41.09
7450-32*RC	1L	Natural poly	1/ea	$52.09
7450-1*RC	4L	Natural poly	1/ea	$112.13
7450-2.5*RC	10L	Cubitainer®	1/ea	$232.46
7450-5*RC	20L	Cubitainer®	1/ea	$303.49

Sodium Hydroxide

Sodium Hydroxide 1.0 N Aqueous

N.I.S.T. Traceable
Sodium Hydroxide Solution, 8, UN1824, PG III

Test	Specification	Test	Specification
Actual Normality	0.9995 - 1.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8650-500*AQ	500mL	n/a	1/ea	$19.76
8650-1*AQ	1L	n/a	1/ea	$24.85
8650-4*AQ	4L	n/a	1/ea	$58.26
8650-4LC*AQ	4L	n/a	1/ea	$68.25
8650-10*AQ	10L	n/a	1/ea	$111.25
8650-20*AQ	20L	n/a	1/ea	$178.78

Sodium Hydroxide 2.00 N

Sodium Hydroxide Solution, 8, UN1824, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	1.999 - 2.001 N @ 20°C	723

Specification	Reference
Sodium Hydroxide, 2 N	TAPPI (T 421 om-97)

Item #	Size	Pkg Type	Qty	List
7455-16*RC	500mL	Natural poly	1/ea	$49.34

Sodium Hydroxide 4.0 N Solution

N.I.S.T. Traceable
Sodium Hydroxide Solution, 8, UN1824, PG II

Test	Specification	Test	Specification
Actual Normality	4.0000 +/- 0.0050 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8657-1*AQ	1L	n/a	1/ea	$35.04

Sodium Hydroxide 5.00 N

Sodium Hydroxide Solution, 8, UN1824, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	4.995 - 5.005 N @ 20°C	723

Specification	Reference
Sodium Hydroxide Soln. (5 M NaOH)	EPA (SW-846) (9214)
Sodium Hydroxide Soln., 5.0 N	EPA (SW-846) (8315A)
Sodium Hydroxide, 5 N	EPA (340.2)

Item #	Size	Pkg Type	Qty	List
7465-16*RC	500mL	Natural poly	1/ea	$51.62
7465-32*RC	1L	Natural poly	1/ea	$83.08

Sodium Hydroxide 5 N

N.I.S.T. Traceable
Sodium Hydroxide Solution, 8, UN1824, PG II

Test	Specification	Test	Specification
Actual Normality	5.0000 +/- 0.0100 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8660-500*AQ	500mL	n/a	1/ea	$26.36
8660-4*AQ	4L	n/a	1/ea	$79.06

Sodium Hydroxide 6 N

N.I.S.T. Traceable
Sodium Hydroxide Solution, 8, UN1824, PG II

Test	Specification	Test	Specification
Actual Normality	6.0000 ± 0.0300 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8665-500*AQ	500mL	n/a	1/ea	$27.10
8665-1*AQ	1L	n/a	1/ea	$39.15

Sodium Hydroxide 10.0 N

Sodium Hydroxide Solution, 8, UN1824, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sulfuric Acid/Phenolphthalein)	9.95 - 10.05 N @ 20°C	723
Heavy Metals (as Pb)	max 10 ppm	
Iron (Fe)	max 5 ppm	3136

Specification	Reference
Sodium Hydroxide Soln. (400 g/L)	ASTM (D 3590 A), ASTM (D 1426 B)
Sodium Hydroxide, 10 N	APHA (4500-NH3 D), APHA (4500-CN- L), APHA (7500-Ra D)
Sodium Hydroxide, 10 N	EPA (SW-846) (3650B), EPA (350.3), EPA (351.4), EPA (110.1)
Sodium Hydroxide Stock Soln.	APHA (4500-NO3- H)
ISA Soln. (10 M NaOH)	EPA (SW-846) (9213)
Sodium Hydroxide Soln. (10 N)	EPA (SW-846) (3510C), EPA (SW-846) (3520C), EPA (SW-846) (3535)
Sodium Hydroxide Soln. (10 M)	EPA (SW-846) (3542)
Sodium Hydroxide Stock Soln. (10 N)	EPA (353.1)

Item #	Size	Pkg Type	Qty	List
7470-16*RC	500mL	Natural poly	1/ea	$67.67
7470-32*RC	1L	Natural poly	1/ea	$96.09
7470-1*RC	4L	Natural poly	1/ea	$199.11

Sodium Hydroxide 10 N Solution

N.I.S.T. Traceable
Sodium Hydroxide Solution, 8, UN1824, PG II

Test	Specification	Test	Specification
Actual Normality	10.0000 +/- 0.0500 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8670-1*AQ	1L	n/a	1/ea	$37.35
8670-4*AQ	4L	n/a	1/ea	$96.33

Sodium Hypochlorite Solution 5% available Chlorine

Hypochlorite Solutions, 8, UN1791, PG III

Name	CAS#	Grade
Water	7732-18-5	Commercial
Sodium Hypochlorite	7681-52-9	Commercial

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to greenish-yellow liquid	
Assay (vs. Sodium Thiosulfate/Starch)	4.75 - 5.25% (w/w) Cl_2	136

Specification	Reference
Sodium Hypochlorite, 5%	APHA (4500-NH3 F)
Sodium Hypochlorite	ASTM (D 4785)

Item #	Size	Pkg Type	Qty	List
7495.5-8*RC	250mL	Amb poly	1/ea	$126.63
7495.5-16*RC	500mL	Amb poly	1/ea	$111.46
7495.5-32*RC	1L	Amb poly	1/ea	$159.20

Sodium Hypochlorite Solution 6% (v/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hypochlorite	7681-52-9	Commercial

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to greenish-yellow liquid	
Assay (vs. Sodium Thiosulfate/Starch)	0.300 - 0.330% (w/w) Cl_2	136

Specification	Reference
Sodium Hypochlorite Soln.	EPA (351.2)

Item #	Size	Pkg Type	Qty	List
7495.6-32*RC	1L	Amb poly	1/ea	$289.90

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Sodium Hypochlorite Solution 6% available Chlorine

Hypochlorite Solutions, 8, UN1791, PG III

Name	CAS#	Grade
Water	7732-18-5	Commercial
Sodium Hypochlorite	7681-52-9	Commercial

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to greenish-yellow liquid	
Assay (vs. Sodium Thiosulfate/Starch)	5.94 - 6.06% (w/w) Cl_2	136

Item #	Size	Pkg Type	Qty	List
7495.7-32*RC	1L	Amb poly	1/ea	$153.96

Sodium Lauryl Sulfate 0.00300 N

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Lauryl Sulfate	151-21-3	NF

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to slight tan liquid	
Assay (vs. Benzethonium Chloride/Dichlorofluorescein)	0.00299 - 0.00301 N @ 20°C	999

Item #	Size	Pkg Type	Qty	List
R7492500-500C*RC	500mL	Amb glass	1/ea	$268.42
R7492500-1C*RC	1L	Amb glass	1/ea	CALL

Sodium Lauryl Sulfate 0.0100 M (N)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Lauryl Sulfate	151-21-3	NF

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to slight tan liquid	
Assay (vs. Benzethonium Chloride/Dichlorofluorescein)	0.00995 - 0.01005 M	999

Item #	Size	Pkg Type	Qty	List
R7492720-500A*RC	500mL	Natural poly	1/ea	$107.80

Sodium Iodide

ACS Reagent Grade
CAS# 7681-82-5
Not-Regulated

Test	Specification	Test	Specification
Assay	99.5% - min	Barium	0.002% max
Insoluble	0.01% max	Heavy Metals (as Pb)	0.0005% max
pH of 5% Soln.	6.0 - 9.0 pH	Iron	0.0005% max
Chloride & Bromide (%)	0.01% max	Calcium	0.002% max
Iodate	0.0003% max	Magnesium	0.001% max
Phosphate	0.001% max	Potassium	0.01% max
Sulfate	0.005% max		

Item #	Size	Pkg Type	Qty	List
68033*GF	2.5kg	n/a	1/ea	$1188.28

Sodium Metabisulfite

ACS Reagent Grade, Granular
CAS# 7681-57-4
Not-Regulated

Test	Specification	Test	Specification
Appearance	White granulate	Thiosulfate (S_2O_3)	0.05% max
Assay	97.0% min	Heavy Metals (as Pb)	0.001% max
Insoluble Matter	0.005% max	Iron (Fe)	0.002% max
Chloride (Cl)	0.05% max		

Item #	Size	Pkg Type	Qty	List
S3108-500*AQ	500g	n/a	1/ea	$54.16

Sodium Molybdate Dihydrate

ACS Reagent Grade
CAS# 10102-40-6
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Phosphate (PO_4)	5 ppm max
Assay	99.5 - 103.0%	Heavy Metals (as Pb)	5 ppm max
Insoluble Matter	0.005% max	Sulfate (SO_4)	0.015% max
Chloride (Cl)	0.005% max	Iron (Fe)	0.001% max
Ammonium (NH_3)	0.001% max		

Item #	Size	Pkg Type	Qty	List
S3163-12*AQ	12kg	n/a	1/ea	$6435.74

Sodium Nitrate

ACS Reagent Grade, Crystal
CAS# 7631-99-4
Sodium Nitrate, 5.1, UN1498, PG III

Test	Specification	Test	Specification
Appearance	Colorless or white solid	Phosphate (PO_4)	5 ppm max
Assay	99.0% min	Sulfate (SO_4)	0.003% max
Insoluble Matter	0.005% max	Calcium (Ca)	0.005% max
Chloride (Cl)	0.001% max	Magnesium (Mg)	0.002% max
Iodate (IO_3)	5 ppm max	Heavy Metals (as Pb)	5 ppm max
Nitrite (NO_2)	0.001% max	Iron (Fe)	3 ppm max

Item #	Size	Pkg Type	Qty	List
S3222-2.5*AQ	2.5kg	n/a	1/ea	$288.87
S3222-500*AQ	500g	n/a	1/ea	$78.24

Sodium Nitrite

Laboratory Grade, Granular
CAS# 7632-00-0
Sodium Nitrite, 5.1, UN1500, PG III

Test	Specification	Test	Specification
Appearance	Yellow deliquescent crystals	Sodium Carbonate	0.20% max
Nitrite	99.00% min	Loss on Drying	0.30% max
$NANO_3$	0.00% min / 0.80% max	PAG	0.03% min / 0.20% max

Item #	Size	Pkg Type	Qty	List
S3240-500*AQ	500g	n/a	1/ea	$33.43

Sodium Nitrite 20 g/L

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Nitrite	7632-00-0	ACS

Test	Specification
Appearance	Colorless to light yellow liquid

Item #	Size	Pkg Type	Qty	List
R7497020-1C*RC	1L	Amb glass	1/ea	$181.29

Sodium Nitroferricyanide Dihydrate (Sodium Nitroprusside)

ACS Reagent Grade
CAS# 13755-38-9
Toxic Solid, Inorganic, n.o.s. (Sodium Nitroferricyanide), 6.1, UN3288, PG II

Test	Specification	Test	Specification
Assay	99.0 - 102.0%	Insoluble Matter	max 0.01%
Chloride (Cl)	max 0.02%	Sulfate (SO_4)	To pass test

Item #	Size	Pkg Type	Qty	List
RDCS0700-100B1*RC	100g	Poly	1/ea	$164.09

Time for a new Incubator?

Contact your sales representative.

Sodium Oxalate
ACS Reagent Grade, Powder
CAS# 62-76-0
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Heavy Metals (as Pb)	0.002% max
Assay	99.5% min	Chloride (Cl)	0.002% max
Loss on Drying	0.01% max	Ammonium (NH_3)	0.002% max
Neutrality	Passes test	Sulfate (SO_4)	0.002% max
Chloride (Cl)	0.002% max	Potassium (K)	0.005% max
Insoluble Matter	0.005% max	Subs. Darkened by Hot Sulfuric Acid	Passes test
Iron (Fe)	0.001% max		

Item #	Size	Pkg Type	Qty	List
S3350-125*AQ	125g	n/a	1/ea	$78.98
S3350-500*AQ	500g	n/a	1/ea	$180.52

Sodium Persulfate
CAS# 7775-27-1
Sodium Persulfate, 5.1, UN1505, PG III

Test	Specification
Assay	98% - min

Item #	Size	Pkg Type	Qty	List
69021*GF	500g	n/a	1/ea	$67.03

Sodium Persulfate
Purified, Powder
CAS# 7775-27-1
Sodium Persulfate, 5.1, UN1505, PG III

Test	Specification	Test	Specification
Appearance	White granular	Iron	≤ 10 ppm
Assay	≥ 99.0%	Heavy Metals (as Pb)	10 ppm max
Active Oxygen	≥ 6.65%	Chloride (Cl)	100 ppm max
Ammonium Persulfate	≤ 0.100%	Manganese (Mn)	10 ppm max
Sodium Sulfate	0.50 - 1.00%	pH, 1% in Water	5.0 min / 7.0 max
Insolubles, Aqueous	≤ 150 pmm		

Item #	Size	Pkg Type	Qty	List
S3400-500*AQ	500g	n/a	1/ea	$67.03

Sodium Phenate Solution for Ammonia Nitrogen Analysis
Corrosive Liquid, Basic, Organic, n.o.s. (Sodium Phenate), 8, UN3267, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Phenol	108-95-2	USP
Sodium Hydroxide	1310-73-2	ACS

Test	Specification
Appearance	Colorless to light tan liquid
Suitability for Use	Passes test

Specification	Reference
Sodium Phenate Soln.	APHA (4500-NH3 G)
Sodium Phenolate	EPA (350.1)

Item #	Size	Pkg Type	Qty	List
7518-16*RC	500mL	Natural poly	1/ea	$103.39

Sodium Phosphate Dibasic Anhydrous
ACS Reagent Grade
CAS# 7558-79-4
Not-Regulated

Test	Specification	Test	Specification
Assay	99.0% - min	Chloride	0.002% max
Insoluble	0.01% max	Sulfate	0.005% max
Loss on Drying @ 105°C	0.2% max	Heavy Metals (by ICP-OES)	0.001% max
pH of 5% Soln. @ 25°C	8.7 - 9.3 pH	Iron	0.002% max

Item #	Size	Pkg Type	Qty	List
69201*GF	500g	Poly	1/ea	$99.82
69202*GF	2.5kg	Poly	1/ea	$302.48

Sodium Phosphate Dibasic Anhydrous
Laboratory Grade, Granular
CAS# 7558-79-4
Not-Regulated

Test	Specification	Test	Specification
Appearance	White granular	Pyrophosphate,%	2.00% max
Assay	>= 98%	Thru a USS 20 Sieve,%	95.0% min
Loss on Drying,%	5.00% max	Thru a USS 100 Sieve,%	25.0% max
pH, 1% Soln.	8.70 - 9.6 pH		

Item #	Size	Pkg Type	Qty	List
S3434-500*AQ	500g	n/a	1/ea	$42.93

Sodium Phosphate Dibasic Anhydrous
ACS Reagent Grade
CAS# 7558-79-4
Not-Regulated

Test	Specification	Test	Specification
Assay	min 99.0%	Iron (Fe)	max 0.002%
Chloride (Cl)	max 0.002%	Loss on Drying @ 105°C	max 0.2%
Heavy Metals (as Pb)	max 0.001%	pH of 5% Soln.	8.7 - 9.3
Insoluble Matter	max 0.01%	Sulfate (SO_4)	max 0.005%

Item #	Size	Pkg Type	Qty	List
RDCS0750-500B1*RC	500g	Poly	1/ea	$138.57

Sodium Phosphate Dibasic Anhydrous
ACS Reagent Grade, Granular
CAS# 7558-79-4
Not-Regulated

Test	Specification	Test	Specification
Appearance	White granular	Chloride (Cl)	0.002% max
Assay	99.0% min	Sulfate (SO_4)	0.005% max
Loss on Drying,%	0.2% max	Heavy Metals (as Pb)	0.001% max
pH, 5% Soln. @ 25°C	8.7 - 9.3	Iron (Fe)	0.002% max
Insoluble Matter	0.01% max		

Item #	Size	Pkg Type	Qty	List
S3484-500*AQ	500g	n/a	1/ea	$110.44
S3484-2.5*AQ	2.5kg	n/a	1/ea	$311.61

Sodium Phosphate Dibasic Heptahydrate
ACS Reagent Grade, Crystal
CAS# 7782-85-6
Not-Regulated

Test	Specification	Test	Specification
Appearance	White granular	Sulfate (SO_4)	0.005% max
Assay	98.0 - 102.0%	Heavy Metals (as Pb)	0.001% max
Insoluble Matter	0.005% max	Iron (Fe)	0.001% max
Chloride (Cl)	0.001% max		

Item #	Size	Pkg Type	Qty	List
S3424-2.5*AQ	2.5kg	n/a	1/ea	$259.56
S3424-500*AQ	500g	n/a	1/ea	$81.22

Sodium Phosphate Dibasic TS 12% (w/v)
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Phosphate Dibasic	7558-79-4	ACS

Test	Specification
Appearance	Colorless liquid
Assay (by Refractive Index)	11.4 - 12.6% (w/v)

Specification	Reference
Dibasic Sodium Phosphate TS	USP (N/A)

Item #	Size	Pkg Type	Qty	List
7522-16*RC	500mL	Natural poly	1/ea	$144.30

Syringe Filters - FoxBrand, Pall Gellman, Whatman and more...

Sodium Phosphate Hexameta Anhydrous

Laboratory Grade, Granular
CAS# 10124-56-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White granular	Insolubles,% Guaranteed	≥ 0.1
P_2O_5%	66.5% min	Thru a USS 8 Sieve,%	98% min
pH, 1% Soln.	6.7 - 7.20 pH	Thru a USS 20 Sieve,%	50.0% min
Loss on Ignition,% Guaranteed	≥ 1	Thru a USS 100 Sieve,%	25.0% max

Item #	Size	Pkg Type	Qty	List
S3412-2.5*AQ	2.5kg	n/a	1/ea	$323.11
S3412-12*AQ	12kg	n/a	1/ea	$1033.93

Sodium Phosphate Monobasic

ACS Reagent Grade, Crystal
CAS# 10049-21-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Calcium (Ca)	0.005% max
Assay	98.0 - 102.0%	Potassium (K)	0.01% max
Insoluble Matter	0.01% max	Heavy Metals (as Pb)	0.001% max
Chloride (Cl)	5 ppm max	Iron (Fe)	0.001% max
Sulfate (SO_4)	0.003% max		

Item #	Size	Pkg Type	Qty	List
S3414-500*AQ	500g	n/a	1/ea	$90.33
S3414-2.5*AQ	2.5kg	n/a	1/ea	$361.11

Sodium Phosphate Monobasic

Laboratory Grade, Anhydrous, Granular
CAS# 7558-80-7
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	pH, 1% Soln.	4.40 - 4.80
Assay	95.0% min	Pyrophosphate (Wet)	4.0% max
Loss on Drying	0.50% max	Thru a USS 100 Sieve,%	35.0% max

Item #	Size	Pkg Type	Qty	List
S3416-500*AQ	500g	n/a	1/ea	$41.82

Sodium Phosphate Monobasic Monohydrate

ACS Reagent Grade
CAS# 10049-21-5
Not-Regulated

Test	Specification	Test	Specification
Assay	98.0 - 102.0%	Calcium	0.005% max
Insoluble Matter	0.01% max	Potassium	0.01% max
pH of 5% Soln. @ 25°C	4.1 - 4.5 pH	Heavy Metals (by ICP-OES)	0.001% max
Chloride	0.0005% max	Iron	0.001% max
Sulfate	0.003% max		

Item #	Size	Pkg Type	Qty	List
69251*GF	500g	n/a	1/ea	$128.32

Sodium Phosphate Monobasic Monohydrate

ACS Reagent Grade
CAS# 10049-21-5
Not-Regulated

Test	Specification	Test	Specification
Assay	98.0 - 102.0%	Iron (Fe)	max 0.001%
Calcium (Ca)	max 0.005%	pH of 5% Soln.	4.1 - 4.5
Chloride (Cl)	max 5 ppm	Potassium (K)	max 0.01%
Heavy Metals (as Pb)	max 0.001%	Sulfate (SO_4)	max 0.003%
Insoluble Matter	max 0.01%		

Item #	Size	Pkg Type	Qty	List
RDCS0770-500B1*RC	500g	Poly	1/ea	$129.91

Sodium Phosphate Tribasic

ACS Reagent Grade, Crystal
CAS# 10101-89-0
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Chloride (Cl)	0.001% max
Assay	98.0 - 102.0%	Sulfate (SO_4)	0.01% max
Excess Alkali (as NaOH)	2.5% max	Heavy Metals (as Pb)	0.001% max
Insoluble Matter	0.01% max	Iron (Fe)	0.001% max

Item #	Size	Pkg Type	Qty	List
S3534-12*AQ	12kg	n/a	1/ea	$821.45

Sodium Polyacrylate Granular

Laboratory Grade
CAS# 025085-02-3
Not-Regulated

Test	Specification	Test	Specification
Appearance	Light grey powder	Residual Acrylic Acid (AcS)	605 mg/kg
PSD on 850 um	0.20%	pH	5.8
PSD on 600 um	15.80%	Centrifuged Retention Capacity	36.4 g/g
PSD on 300 um	55.00%	0.9 Absorption Under Load	16.0 g/g
PSD on 150 um	23.20%	Bulk Density	0.649 g/ cc
PSD on < 150 um	5.80%	Moisture	0.0 - 6.5%

Item #	Size	Pkg Type	Qty	List
S3541-500*AQ	500g	n/a	1/ea	$108.31

Sodium Pyrophosphate

ACS Reagent Grade, Crystal
CAS# 13472-36-1
Not-Regulated

Test	Specification	Test	Specification
Appearance	Colorless crystalline	Sulfate (SO_4)	0.005% max
Assay	99.0 - 103.0%	Nitrogen Compounds (as N)	0.001% max
Insoluble Matter	0.01% max	Heavy Metals (as Pb)	0.001% max
Chloride (Cl)	0.002% max	Iron (Fe)	0.001% max

Item #	Size	Pkg Type	Qty	List
S3549-500*AQ	500g	n/a	1/ea	$113.67

Sodium Salicylate

Laboratory Grade, Crystal
CAS# 54-21-7
Not-Regulated

Test	Specification	Test	Specification
Assay	99.5 - 100.5%	Sulfite (as SO_3)	Passes test
Water Content	0.5% max		

Item #	Size	Pkg Type	Qty	List
S3572-500*AQ	500g	n/a	1/ea	$126.94

Sodium Salicylate

Reagent Grade
CAS# 54-21-7
Not-Regulated

Test	Specification	Test	Specification
Assay	99.0 - 101.0%	Sulfate	0.06% max
Insoluble	0.005% max	Heavy Metals (as Pb)	0.005% max
Chloride	0.02% max		

Item #	Size	Pkg Type	Qty	List
69261*GF	500g	n/a	1/ea	$151.21
69262*GF	2.5kg	n/a	1/ea	$459.48

Sodium Silicate Solution

Laboratory Grade
CAS# 1344-09-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	Clear liquid	Total Solids	37.52 - 39.2 wt.%
Na2O	8.78 - 9.38 wt.%	Weight Ratio (SiO_2/Na2O)	3.17 - 3.27
SiO_2	28.74 - 29.74 wt.%		

Item #	Size	Pkg Type	Qty	List
S3600-500*AQ	500mL	n/a	1/ea	$25.77

Sodium Standard 100 ppm Na

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Chloride	7647-14-5	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Sodium (Na)	99.5 - 100.5 ppm	3152

Specification	Reference
Sodium Chloride Stock Soln. (1.00 mL = 0.100 mg Na)	ASTM (D 2791 A)
Sodium Chloride Soln., Stock	ASTM (D 2791 B)
Intermediate Sodium Soln.	APHA (3500-Na B)
Sodium Soln., Std. (1.00 mL = 0.1 mg Na)	ASTM (D 4191)

Item #	Size	Pkg Type	Qty	List
7597-16*RC	500mL	Natural poly	1/ea	$80.42

Sodium Sulfate Anhydrous

CAS# 7757-82-6

Not-Regulated

Test	Specification
Assay	98.0% - min

Item #	Size	Pkg Type	Qty	List
69042*GF	2.5kg	n/a	1/ea	$115.94

Sodium Sulfate Anhydrous

ACS Reagent Grade

CAS# 7757-82-6

Not-Regulated

Test	Specification	Test	Specification
Assay	min 99.0%	Loss on Ignition	max 0.5%
Calcium (Ca)	max 0.01%	Magnesium (Mg)	max 0.005%
Chloride (Cl)	max 0.001%	Nitrogen Compounds (as N)	max 5 ppm
Heavy Metals (as Pb)	max 5 ppm	pH of 5% Soln.	5.2 - 9.2
Insoluble Matter	max 0.01%	Phosphate (PO_4)	max 0.001%
Iron (Fe)	max 0.001%	Potassium (K)	max 0.01%

Item #	Size	Pkg Type	Qty	List
RDCS0850-500B1*RC	500g	Poly	1/ea	$90.15

Sodium Sulfate Anhydrous

Technical Grade

CAS# 7757-82-6

Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Water Insoluble (%)	0.01%
Assay	99.8%	Mg (%)	0.01%
NaCl (%)	0.16%	Fe (ppm)	3 ppm

Item #	Size	Pkg Type	Qty	List
S3645-500*AQ	500g	n/a	1/ea	$32.48

Kartell Automatic Pipette / Burette Washing Set

Sodium Sulfate Anhydrous, Granular

ACS Reagent Grade

CAS# 7757-82-6

Not-Regulated

Test	Specification	Test	Specification
Assay	99.0% - min	Calcium	0.01% max
pH of 5% Soln. @ 25°C	5.2 - 9.2 pH	Magnesium	0.005% max
Insoluble Matter	0.01% max	Heavy Metals (by ICP-OES)	0.0005% max
Loss on Ignition	0.5% max	Iron	0.001% max
Chloride	0.001% max	Potassium	0.01% max
Nitrogen Compounds (as N)	0.0005% max	Through 60 Mesh Screen (%)	10% max
Phosphate	0.001% max		

Item #	Size	Pkg Type	Qty	List
69301*GF	500g	n/a	1/ea	$66.53
69302*GF	2.5kg	n/a	1/ea	$166.05

Sodium Sulfate Anhydrous 10 - 60 Mesh

FOXPURE® ACS Reagent Grade

CAS# 7757-82-6

Not-Regulated

Test	Specification	Test	Specification
Assay (by GC)	min 99.0%	Phosphate (PO_4)	max 0.001%
pH of a 5% Soln. @ 25°C	5.2 - 9.2	Heavy Metals (as Pb)	max 5 ppm
Insoluble Matter	max 0.01%	Iron (Fe)	max 0.001%
Loss on Ignition	max 0.5%	Calcium (Ca)	max 0.01%
Chloride (Cl)	max 0.001%	Magnesium (Mg)	max 0.005%
Nitrogen Compounds (as N)	max 5 ppm	Potassium (K)	max 0.01%

Item #	Size	Pkg Type	Qty	List
S995-45*FX	45kg	n/a	1/ea	CALL

Sodium Sulfate Anhydrous, Granular 10 - 60 Mesh

ACS Reagent Grade

CAS# 7757-82-6

Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Phosphate (PO_4)	0.001% max
Assay	99.0% min	Heavy Metals (as Pb)	5 ppm max
Insoluble Matter	0.01% max	Iron (Fe)	0.001% max
Loss on Ignition	0.5% max	Calcium (Ca)	0.01% max
Chloride (Cl)	0.001% max	Magnesium (Mg)	0.005% max
Nitrogen Compounds (as N)	5 ppm max	Potassium (K)	0.01% max

Item #	Size	Pkg Type	Qty	List
S3640-500*AQ	500g	n/a	1/ea	$61.91

Sodium Sulfate Anhydrous, Powder

ACS Reagent Grade

CAS# 7757-82-6

Not-Regulated

Test	Specification	Test	Specification
Assay	99.0% - min	Calcium	0.01% max
pH of 5% Soln. @ 25°C	5.2 - 9.2 pH	Magnesium	0.005% max
Insoluble Matter	0.01% max	Heavy Metals (by ICP-OES)	0.0005% max
Loss on Ignition	0.5% max	Iron	0.001% max
Chloride	0.001% max	Potassium	0.01% max
Nitrogen Compounds (as N)	0.0005% max	Through 60 Mesh Screen (%)	10% max
Phosphate	0.001% max		

Item #	Size	Pkg Type	Qty	List
27451*GF	500g	n/a	1/ea	$78.25
27452*GF	2.5kg	n/a	1/ea	$213.30

Sodium Sulfide

ACS Reagent Grade, Crystal

CAS# 1313-84-4

Sodium Sulfide, Hydrated, 8, UN1849, PG II

Test	Specification	Test	Specification
Appearance	White crystalline	Sulfite & Thiosulfite (as SO_4)	0.1%
Assay	98.0% min	Iron (Fe)	Passes test
Ammonium (NH_4)	0.005%		

Item #	Size	Pkg Type	Qty	List
S3660-125*AQ	125g	n/a	1/ea	$79.20

Sodium Sulfide 3% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Sulfide Nonahydrate	1313-84-4	ACS

Test	Specification
Appearance	Colorless liquid
Refractive Index	To pass test

Specification	Reference
Sodium Sulfide Soln. I	APHA (3500-Zn E)

Item #	Size	Pkg Type	Qty	List
7570-4*RC	120mL	Amb glass	1/ea	$50.76

Sodium Sulfite

ACS Reagent Grade
CAS# 7757-83-7
Not-Regulated

Test	Specification	Test	Specification
Assay	98.0% - min	Chloride	0.02% max
Insoluble	0.005% max	Iron	0.001% max
Free Acid	Passes test	Heavy Metals	0.001% max
Titrable Free Base	0.03 meq/g max		

Item #	Size	Pkg Type	Qty	List
69331*GF	500g	n/a	1/ea	$61.15
69332*GF	2.5kg	n/a	1/ea	$179.09

Sodium Sulfite Anhydrous

ACS Reagent Grade
CAS# 7757-83-7
Not-Regulated

Test	Specification	Test	Specification
Assay	min 98.0%	Insoluble Matter	max 0.005%
Chloride (Cl)	max 0.02%	Iron (Fe)	max 0.001%
Free Acid	To pass test	Titrable Free Base	max 0.03 meq/g
Heavy Metals (as Pb)	max 0.001%		

Item #	Size	Pkg Type	Qty	List
RDCS0870-500B1*RC	500g	Poly	1/ea	$75.08
RDCS0870-2.5A5*RC	2.5kg	Natural poly	1/ea	$235.60

Sodium Sulfite Anhydrous

ACS Reagent Grade, Granular
CAS# 7757-83-7
Not-Regulated

Test	Specification	Test	Specification
Appearance	White solid	Chloride (Cl)	0.02%
Assay	98.0%	Titratable Free Base	0.03 meq/g
Free Acid	Passes test	Insoluble Matter	0.005%
Heavy Metals (as Pb)	0.001%	Iron	0.001%

Item #	Size	Pkg Type	Qty	List
S3703-500*AQ	500g	n/a	1/ea	$52.68
S3703-2.5*AQ	2.5kg	n/a	1/ea	$154.99

Sodium Sulfite Anhydrous

Laboratory Grade, Granular
CAS# 7757-83-7
Not-Regulated

Test	Specification	Test	Specification
Appearance	White solid	Chloride (Cl)	< 0.008%
Assay	99.9%	Titratable Free Base	0.02 meq/g
Free Acid	Passes test	Insoluble Matter	< 0.002%
Heavy Metals (as Pb)	0.0008%	Iron	0.0001%

Item #	Size	Pkg Type	Qty	List
S3707-500*AQ	500g	n/a	1/ea	$25.02

Sodium Sulfite 1.0 M

Not-Regulated

Test	Specification	Test	Specification
pH	9.90 +- 0.10	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8766-500*AQ	500mL	n/a	1/ea	$37.85

Sodium Tartrate 10% w/v Solution

APHA for Lead
Not-Regulated

Test	Specification	Test	Specification
Actual Assay	10.00 +- 0.10% w/v Sodium Tartrate	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8770-500*AQ	500mL	n/a	1/ea	$45.32

Sodium Tartrate 10% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Tartrate Dihydrate	6106-24-7	ACS

Test	Specification
Appearance	Colorless liquid
Refractive Index	To pass test

Specification	Reference
Sodium Tartrate Soln.	APHA (311 B)

Item #	Size	Pkg Type	Qty	List
7850-32*RC	1L	Natural poly	1/ea	$147.63

Sodium Tartrate, Dihydrate

ACS Reagent Grade
CAS# 6106-24-7
Not-Regulated

Test	Specification	Test	Specification
Assay	99.0 - 101.0%	Sulfate	0.005% max
Loss on Drying @ 150°C	15.61 - 15.71%	Ammonium	0.003% max
pH of 5% Soln. @ 25°C	7.0 - 9.0 pH	Calcium	0.01% max
Insoluble Matter	0.005% max	Iron	0.001% max
Chloride	0.0005% max	Heavy Metals (by ICP-OES)	0.0005% max
Phosphate	0.0005% max		

Item #	Size	Pkg Type	Qty	List
69351*GF	500g	n/a	1/ea	$135.13
69352*GF	2.5kg	n/a	1/ea	$482.94

Sodium Thiosulfate

ACS Reagent Grade, Crystal
CAS# 10102-17-7
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Sulfate & Sulfite (as SO_4)	0.1%
Assay	99.5 - 101.0%	Sulfide (S)	Passes test
Nitrogen Compounds	0.002%	Insoluble Matter	0.005%

Item #	Size	Pkg Type	Qty	List
S3999-500*AQ	500g	n/a	1/ea	$60.19

Sodium Thiosulfate

Reagent Grade, Anhydrous
CAS# 7772-98-7
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Heavy Metals (as Pb)	Passes test (<=0.0010%)
Assay	98.9%	Insoluble Matter	Passes test (<=0.40%)
Sodium Sulfate	0.04%	Iron (Fe)	Passes test (<=0.0020%)
Acidity	Passes test (<=0.002%)	Sulfide (as S)	Passes test (<=0.0002%)
Alkalinity	Passes test (<=0.010%)		

Item #	Size	Pkg Type	Qty	List
S4040-500*AQ	500g	n/a	1/ea	$63.18

Sodium Thiosulfate 0.01 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0100 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8790-1*AQ	1L	n/a	1/ea	$35.04
8790-4*AQ	4L	n/a	1/ea	$87.76
8790-4C*AQ	4L	n/a	1/ea	$96.18

Sodium Thiosulfate

Sodium Thiosulfate 0.0100 N (N/100)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Thiosulfate Pentahydrate	10102-17-7	ACS
Organic Preservative	Proprietary	
Sodium Carbonate	497-19-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Iodate/Starch)	0.00999-0.01001 N @ 20°C	136

Specification	Reference
Sodium Thiosulfate Soln. (0.01 N)	ASTM (D 3869 A)
Std. Sodium Thiosulfate Titrant, 0.01 N	APHA (4500-Cl B)

Item #	Size	Pkg Type	Qty	List
7890-16*RC	500mL	Natural poly	1/ea	$33.14
7890-32*RC	1L	Natural poly	1/ea	$55.23
7890-1*RC	4L	Natural poly	1/ea	$147.70

Sodium Thiosulfate 0.0143 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0143 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8795-1*AQ	1L	n/a	1/ea	$35.04

Sodium Thiosulfate 0.0250 N (N/40)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Organic Preservative	Proprietary	
Sodium Carbonate	497-19-8	ACS
Sodium Thiosulfate Pentahydrate	10102-17-7	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Iodate/Starch)	0.02499 - 0.02501 N @ 20°C	136

Specification	Reference
Std. Sodium Thiosulfate Soln., 0.0250 N	APHA (4500-S2- F), EPA (SW-846) (9031), EPA (SW-846) (9034)
Std. Sodium Thiosulfate Titrant	APHA (4500-O D), APHA (4500-O E)
Std. Sodium Thiosulfate Titrant	APHA (4500-O F), APHA (4500-O C)
Std. Sodium Thiosulfate Titrant, 0.025 N	APHA (4500-Cl B)
Std. Sodium Thiosulfate Titrant, 0.025 M	APHA (5530 C)

Item #	Size	Pkg Type	Qty	List
7900-16*RC	500mL	Natural poly	1/ea	$33.14

Sodium Thiosulfate 0.1 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.1000 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8810-500*AQ	500mL	n/a	1/ea	$19.76
8810-1*AQ	1L	n/a	1/ea	$26.36
8810-4*AQ	4L	n/a	1/ea	$57.03
8810-10*AQ	10L	n/a	1/ea	$99.53
8810-20*AQ	20L	n/a	1/ea	$153.67

Sodium Thiosulfate 0.100 N (N/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Thiosulfate Pentahydrate	10102-17-7	ACS
Organic Preservative	Proprietary	
Sodium Carbonate	497-19-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Potassium Iodate/Starch)	0.0999 - 0.1001 N @ 20°C	136

Specification	Reference
Sodium Thiosulfate Soln. (0.1 N)	ASTM (D 3869 A)
Std. Sodium Thiosulfate, 0.1 N	APHA (4500-Cl B), APHA (4500-ClO2 E)
Sodium Thiosulfate, 0.1 N	TAPPI (T 624 cm-85), TAPPI (T 611 cm-97), APHA (2320 B)
Sodium Thiosulfate, 0.1 N	TAPPI (T 254 cm-85), TAPPI (T 622 cm-84), TAPPI (T 610 sp-97)
Std. Sodium Thiosulfate, 0.100 N	APHA (4500-ClO2 E)
Std. Sodium Thiosulfate Soln., 0.1 N	APHA (4500-Cl C)
Std. Sodium Thiosulfate Titrant, 0.1 N	APHA (2350 E)
Sodium Thiosulfate, 0.1 M	APHA (2310 B)
Sodium Thiosulfate, 0.1 N Vs	ASTM (E 200), ACS (N/A)
Sodium Thiosulfate Soln., Std. (0.1 N)	ASTM (D 3703), ASTM (D 1832), ASTM (D 1291)
Sodium Thiosulfate, Std. Soln. (0.1 M)	ASTM (D 1159)
0.1 M Sodium Thiosulfate Vs	EP (3007300)
Sodium Thiosulfate, 0.1 mol/L VS	JP (N/A)
Sodium Thiosulfate TS	USP (N/A)
Sodium Thiosulfate, Tenth-N (0.1 N) Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
7950-4*RC	120mL	Natural poly	1/ea	$32.70
7950-16*RC	500mL	Natural poly	1/ea	$33.23
7950-32*RC	1L	Natural poly	1/ea	$55.42
7950-1*RC	4L	Natural poly	1/ea	$147.47
7950-1CT*RC	4L	Cubitainer®	1/ea	$151.37
7950-2.5*RC	10L	Cubitainer®	1/ea	$175.46
7950-5*RC	20L	Cubitainer®	1/ea	$282.14

Sodium Thiosulfate Pentahydrate

ACS Reagent Grade
CAS# 10102-17-7
Not-Regulated

Test	Specification	Test	Specification
Assay	99.5 - 101.0%	pH of 5% Soln.	6.0 - 8.4
Insoluble Matter	max 0.005%	Sulfate & Sulfite (as SO_4)	max 0.1%
Nitrogen Compounds (as N)	max 0.002%	Sulfide (S)	To pass test

Item #	Size	Pkg Type	Qty	List
RDCS0930-500B1*RC	500g	Poly	1/ea	$85.61

Sodium Thiosulfate Pentahydrate

ACS Reagent Grade
CAS# 10102-17-7
Not-Regulated

Test	Specification	Test	Specification
Assay	99.5 - 101.0%	pH of 5% Soln.	6.0 - 8.4 pH
Insoluble	0.005% max	Sulfate & Sulfite (as SO_4)	0.1% max
Nitrogen Compounds (as N)	0.002% max	Sulfide (S)	Passes test

Item #	Size	Pkg Type	Qty	List
69601*GF	500g	n/a	1/ea	$73.65

Stannous Chloride Anhydrous 98%

ACS Reagent Grade
CAS# 7772-99-8
Corrosive Solid, Acidic, Inorganic, n.o.s. (Stannous Chloride), 8, UN3260, PG III

Test	Specification
Assay	98.0% - min

Item #	Size	Pkg Type	Qty	List
70493*GF	2.5kg	n/a	1/ea	$604.40

Stannous Chloride Dihydrate

ACS Reagent Grade
CAS# 10025-69-1
Corrosive Solid, Acidic, Inorganic, n.o.s. (Stannous Chloride), Marine Pollutant, 8, UN3260, PG III

Test	Specification	Test	Specification
Assay	98.0 - 103.0%	Potassium	0.005% max
Solubility in HCl	Passes test	Calcium	0.005% max
Sulfate	Passes test	Lead	0.01% max
Sodium	0.01% max	Iron	0.003% max

Item #	Size	Pkg Type	Qty	List
70502*GF	500g	Poly	1/ea	$239.88

Stannous Chloride Dihydrate

ACS Reagent Grade
CAS# 10025-69-1
Not-Regulated

Test	Specification	Test	Specification
Assay	98.0 - 103.0%	Potassium (K)	max 0.005%
Calcium (Ca)	max 0.005%	Sodium (Na)	max 0.01%
Iron (Fe)	max 0.003%	Solubility in Hydrochloric Acid	To pass test
Lead (Pb)	max 0.01%	Sulfate (SO_4)	To pass test

Item #	Size	Pkg Type	Qty	List
RDCS1010-500B1*RC	500g	Poly	1/ea	$333.37

Stannous Chloride Dihydrate, Low Mercury

ACS Reagent Grade
CAS# 10025-69-1
Corrosive Solid, Acidic, Inorganic, n.o.s. (Stannous Chloride), Marine Pollutant, 8, UN3260, PG III

Test	Specification	Test	Specification
Assay	98.0 - 103.0%	Potassium	0.005% max
Solubility in HCl	Passes test	Calcium	0.005% max
Sulfate	Passes test	Lead	0.01% max
Sodium	0.01% max	Iron	0.003% max
Mercury (ppb)	50 ppb max		

Item #	Size	Pkg Type	Qty	List
20682*GF	500g	n/a	1/ea	$278.55
20683*GF	2.5kg	n/a	1/ea	$1043.57

Stannous Chloride Dihydrate, Low Mercury

ACS Reagent Grade, Crystal
CAS# 7772-99-8
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Iron (Fe)	0.003% max
Assay	98.0 - 103.0%	Lead (Pb)	0.01% max
Sulfate (SO_4)	Passes test	Potassium (K)	0.005% max
Solubility in Hydrochloric Acid	Passes test	Sodium (Na)	0.01% max
Calcium (Ca)	0.005% max		

Item #	Size	Pkg Type	Qty	List
S4780-500*AQ	500g	n/a	1/ea	$370.74
S4780-2.5*AQ	2.5kg	n/a	1/ea	$1208.40

Starch Indicator Solution 0.5% w/v

APHA
Not-Regulated

Test	Specification
Appearance & Color	Clear slightly turbid liquid

Item #	Size	Pkg Type	Qty	List
8860-100*AQ	100mL	n/a	1/ea	$17.61
8860-500*AQ	500mL	n/a	1/ea	$22.01
8860-1*AQ	1L	n/a	1/ea	$30.72

Bottle Top Dispensers

Starch Indicator 0.5% (w/v), Mercury Free for Iodometric Titrations

Not-Regulated
*This product is Mercury-free

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Starch, Soluble	9005-84-9	ACS
Salicylic Acid	69-72-7	ACS

Test	Specification
Appearance	White translucent liquid
Suitability for Use	Colorless (Iodine absent) - Blue (Iodine present)

Specification	Reference
Starch Soln.	APHA (4500-S2- F), APHA (510 B), APHA (5530 C)
Starch Indicator Soln.	APHA (4500-Cl B), APHA (2350 B), APHA (2350 E)
Starch Indicator	APHA (4500-SO32- B), APHA (4500-Cl C), EPA (345.1)

Item #	Size	Pkg Type	Qty	List
8000-32*RC	1L	Natural poly	1/ea	$60.76

Starch Indicator 1% Aqueous Solution

For General Iodometric Titrations
Not-Regulated

Test	Specification
Appearance & Color	Clear slightly turbid liquid

Item #	Size	Pkg Type	Qty	List
8880-500*AQ	500mL	n/a	1/ea	$26.36
8880-1*AQ	1L	n/a	1/ea	$35.06
8880-4(CUBE)*AQ	4L	n/a	1/ea	$88.44
8880-4*AQ	4L	n/a	1/ea	$92.86

Starch Indicator 1% (w/v) with Chloroform preservative

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Starch, Soluble	9005-84-9	ACS
Chloroform	67-66-3	

Test	Specification
Appearance	Translucent liquid
Suitability for Use	Colorless (Iodine absent) - Blue (Iodine present)

Item #	Size	Pkg Type	Qty	List
8052-16*RC	500mL	Natural poly	1/ea	$78.34

Starch Indicator 1% (w/v), Mercury Free for Iodometric Titrations

Not-Regulated
*This product is Mercury-free

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Starch, Soluble	9005-84-9	ACS
Salicylic Acid	69-72-7	ACS

Test	Specification
Appearance	White translucent liquid
Suitability for Use	Colorless (Iodine absent) - Blue (Iodine present)

Specification	Reference
Starch Soln.	EPA (345.1), EPA (320.1), EPA (360.2)
Starch Indicator	EPA (330.1), EPA (376.1), EPA (330.3), EPA (330.2)
Starch Indicator, 1%	TAPPI (T 622 cm-84)
Starch Indicator Soln. (10 g/L)	ASTM (E 200)

Item #	Size	Pkg Type	Qty	List
8050-16*RC	500mL	Natural poly	1/ea	$48.95
8050-32*RC	1L	Natural poly	1/ea	$61.13
8050-1*RC	4L	Natural poly	1/ea	$137.33

Starch Indicator 2% Aqueous Solution

Not-Regulated

Test	Specification
Appearance & Color	Clear slightly turbid liquid

Item #	Size	Pkg Type	Qty	List
8890-1*AQ	1L	n/a	1/ea	$96.33

Starch Indicator 2% (w/v), Mercury Free for Iodometric Titrations

Not-Regulated

*This product is Mercury-free

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Starch, Soluble	9005-84-9	ACS
Salicylic Acid	69-72-7	ACS

Test	Specification
Appearance	White translucent liquid
Suitability for Use	Colorless (Iodine absent) - Blue (Iodine present)

Specification	Reference
Starch Indicator (Aqueous Soln.)	APHA (4500-O D), APHA (4500-O E), APHA (4500-O F), APHA (4500-O C)
Starch Soln.	EPA (SW-846) (9031), EPA (SW-846) (9034)

Item #	Size	Pkg Type	Qty	List
8055-16*RC	500mL	Natural poly	1/ea	$112.41

Starch, Soluble

ACS Reagent Grade, Powder
CAS# 9005-84-9
Not-Regulated

Test	Specification	Test	Specification
Appearance	White powder	Sensitivity	Passes test
pH of a 2% Soln. @ 25°C	5.0 - 7.0	Solubility	Passes test
Residue after Ignition	0.4% max		

Item #	Size	Pkg Type	Qty	List
S5222-125*AQ	125g	n/a	1/ea	$63.18
S5222-500*AQ	500g	n/a	1/ea	$126.37

Strontium Chloride Hexahydrate

ACS Reagent Grade, Crystal
CAS# 10025-70-4
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Calcium (Ca)	0.05% max
Assay	99.0 - 103.0%	Magnesium (Mg)	2 ppm max
Insoluble Matter	0.005% max	Heavy Metals (as Pb)	5 ppm max
Sulfate (SO_4)	0.001% max	Iron (Fe)	5 ppm max
Barium (Ba)	0.05% max		

Item #	Size	Pkg Type	Qty	List
S6337-2.5*AQ	500g	n/a	1/ea	$639.93

Strontium Nitrate

ACS Reagent Grade, Crystal
CAS# 10042-76-9
Strontium Nitrate, 5.1, UN1507, PG III

Test	Specification	Test	Specification
Appearance	White crystalline	Calcium (Ca)	0.10% max
Assay	99.0% min	Magnesium (Mg)	0.10% max
Insoluble Matter	0.01% max	Heavy Metals (as Pb)	5 ppm max
Sulfate (SO_4)	0.005% max	Iron (Fe)	5 ppm max
Barium (Ba)	0.05% max	Chloride (Cl)	0.002% max
Sodium (Na)	0.10% max	Loss on Drying	0.1% max

Item #	Size	Pkg Type	Qty	List
S6390-500*AQ	500g	n/a	1/ea	$162.52
S6390-2.5*AQ	2.5kg	n/a	1/ea	$595.80

Sulfamic Acid

ACS Reagent Grade
CAS# 5329-14-6
Sulfamic Acid, 8, UN2967, PG III

Test	Specification	Test	Specification
Assay (Dried Basis)	99.3 - 100.3%	Iron (Fe)	max 5 ppm
Chloride (Cl)	max 0.001%	Residue after Ignition	max 0.01%
Heavy Metals (as Pb)	max 0.001%	Sulfate (SO_4)	max 0.05%
Insoluble Matter	max 0.01%		

Item #	Size	Pkg Type	Qty	List
RDCS1100-100B1*RC	100g	Poly	1/ea	$107.44

Sulfamic Acid

ACS Reagent Grade
CAS# 5329-14-6
Sulfamic Acid, 8, UN2967, PG III

Test	Specification	Test	Specification
Appearance	White crystalline	Chloride (Cl)	0.001% max
Assay	99.3 - 100.3%	Sulfate (SO_4)	0.05% max
Insoluble Matter	0.01% max	Heavy Metals (as Pb)	0.001% max
Residue after Ignition	0.01% max	Iron (Fe)	5 ppm

Item #	Size	Pkg Type	Qty	List
S7382-125*AQ	125g	n/a	1/ea	$96.05
S7382-500*AQ	500g	n/a	1/ea	$202.07

Sulfanilamide

Reagent Grade
CAS# 63-74-1
Not-Regulated

Test	Specification	Test	Specification
Assay	98.0% - min	Melt Point (degC)	164 - 166 C

Item #	Size	Pkg Type	Qty	List
71082*GF	500g	n/a	1/ea	$186.65

Sulfanilamide

Reagent Grade
CAS# 63-74-1
Not-Regulated

Test	Specification
Identification	To pass test

Item #	Size	Pkg Type	Qty	List
RDCS1160-100B1*RC	100g	Poly	1/ea	$61.37

Sulfate Standard 100 ppm SO_4^{2-}

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Sulfate Anhydrous	7757-82-6	ACS

Test	Specification
Appearance	Colorless liquid
Sulfate (SO_4)	99.5 - 100.5 ppm

Specification	Reference
Std. Sulfate Soln.	APHA (4500-SO42- E)
Dilute Sulfate Soln., 1 mL = 0.1 mg SO4	EPA (SW-846) (9036), EPA (375.2)
Std. Sulfate Soln. from Na2SO4	EPA (375.4)
Std. Sulfate Soln. (1.00 mL = 100 µg SO4), from Na2SO4	EPA (SW-846) (9038)
Sulfate Soln., Std. (1 mL = 0.100 mg SO42-	ASTM (D 516)

Item #	Size	Pkg Type	Qty	List
8110-16*RC	500mL	Natural poly	1/ea	$72.58

Sulfate Standard Stock Solution 1000 ppm SO_4^{2-}

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Sulfate	7778-80-5	High Purity

Test	Specification
Appearance	Colorless liquid
Sulfate (SO_4)	995 - 1005 ppm

Specification	Reference
Sulphate Stock Soln. (0.181 g K2SO4 in 100 mL), for Preparation of R 5002800 & R 5002802	EP (N/A)

Item #	Size	Pkg Type	Qty	List
8109-16*RC	500mL	Natural poly	1/ea	$91.87

Sulfate Standard 1000 ppm SO_4^{2-}

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Sulfate Anhydrous	7757-82-6	ACS

Test	Specification
Appearance	Colorless liquid
Sulfate (SO_4)	995 - 1005 ppm

Specification	Reference
Sulfate Soln. Stock (1.00 mL = 1.00 mg SO4)	ASTM (D 5542), ASTM (D 5996)
Sulfate Stock Soln., 1 mL = 1 mg SO4	EPA (SW-846) (9036)
Sulfate Stock Soln. (1.00 mL = 1.00 mg SO42-)	EPA (SW-846) (9056), ASTM (D 4327)
Sulfate Soln. (1000 ppm)	TAPPI (T 699 om-87)
Sulfate Stock Soln., 1 mL = 1 mg SO42	EPA (375.2)

Item #	Size	Pkg Type	Qty	List
8112-4*RC	120mL	Natural poly	1/ea	$48.84
8112-16*RC	500mL	Natural poly	1/ea	$100.25

Sulfate Standard 1000 ppm w/v Aqueous

Not-Regulated

Test	Specification	Test	Specification
Certified Specs	1,000.0 +/- 5.0 ppm as SO_4	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
8969-500*AQ	500mL	n/a	1/ea	$39.15

Sulfide Standard 1000 ppm (w/w)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Hydroxide	1310-73-2	Reagent
Sodium Sulfide Nonahydrate	1313-84-4	ACS

Test	Specification
Appearance	Colorless liquid
Sulfide (S)	990 - 1010 ppm

Item #	Size	Pkg Type	Qty	List
R8112700-500C*RC	500mL	Amb glass	1/ea	$226.29

Sulfosalicylic Acid 3% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
5-Sulfosalicylic Acid Dihydrate	5965-83-3	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to slightly pink-gold liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	2.99 - 3.01% (w/v)	84

Item #	Size	Pkg Type	Qty	List
8115-16*RC	500mL	Amb glass	1/ea	$55.98

Sulfosalicylic Acid 10% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
5-Sulfosalicylic Acid Dihydrate	5965-83-3	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless to slightly pink-gold liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	9.98 - 10.02% (w/v)	84

Item #	Size	Pkg Type	Qty	List
8125-32*RC	1L	Amb glass	1/ea	$106.32

Sulfur Standard 100 ppm S in 2% HNO_3

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Ammonium Sulfate	7783-20-2	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Sulfur (S)	99 - 101 ppm	3154

Item #	Size	Pkg Type	Qty	List
RP33100S-1A*RC	1L	Natural poly	1/ea	$187.65

Sulfur ICP Standard 1000 ppm S in H_2O

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	High Purity
Ammonium Sulfate	7783-20-2	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Sulfur (S)	995 - 1005 ppm	3154

Specification	Reference
Sulfur ICP Standard, 1 mL = 1 mg S (1,000 ppm S) (NH4)2SO4 in H2O	EPA (200.7)

Item #	Size	Pkg Type	Qty	List
PS1KW-100*RC	100mL	Natural LDPE	1/ea	$137.89

Sulfuric Acid

FOXPURE® ACS Reagent Grade
CAS# 7664-93-9
Sulfuric Acid, 8, UN1830, PG II

Test	Specification	Test	Specification
Appearance	Free from suspended matter	Ammonium (NH4)	max 2 ppm
Assay (H_2SO_4)	95.0 - 98.0%	Subs. Red. Permanganate	max 2 ppm
Color (APHA)	max 10	Arsenic (As)	max 0.01 ppm
C.O.D. Test	Passes test	Heavy Metals (as Pb)	max 1 ppm
Residue after Ignition	max 5 ppm	Iron (Fe)	max 0.2 ppm
Chloride (Cl)	max 0.2 ppm	Mercury (Hg)	max 5 ppb
Nitrate (NO3)	max 0.5 ppm		

Item #	Size	Pkg Type	Qty	List
S651-2*FX	500mL	PVC coated	1/ea	$85.81
S651-2*FX	500mL	PVC coated	6/cs	$342.90

Sulfuric Acid

ACS Reagent Grade
CAS# 7664-93-9
Sulfuric Acid, 8, UN1830, PG II

Test	Specification	Test	Specification
Ammonium (NH_4)	max 2 ppm	Heavy Metals (as Pb)	max 1 ppm
Appearance	Colorless liquid	Iron (Fe)	max 0.2 ppm
Arsenic (As)	max 0.01 ppm	Mercury (Hg)	max 5 ppb
Assay	95.0 - 98.0%	Nitrate (NO_3)	max 0.5 ppm
Chloride (Cl)	max 0.2 ppm	Residue after Ignition	max 5 ppm
Color (APHA)	max 10	Subs. Red. Permanganate (as SO_2)	max 2 ppm

Item #	Size	Pkg Type	Qty	List
RABS0030-2.5D*RC	2.5L	SC glass	1/ea	$215.39

Sulfuric Acid

ACS Reagent Grade
CAS# 7664-93-9
Sulfuric Acid, 8, UN1830, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Ammonium (NH_4)	2 ppm max
Assay	95.0 - 98.0%	Arsenic (As)	0.01 ppm max
Color (APHA)	10 max	Heavy Metals (as Pb)	1 ppm max
Iron (Fe)	0.2 ppm max	Mercury (Hg)	5 ppb max
Nitrate (NO_3)	0.5 ppm max	Residue after Ignition	5 ppm max
Chloride (Cl)	0.2 ppm max	Subs. Red. Permanganate (as SO_2)	2 ppm max

Item #	Size	Pkg Type	Qty	List
S9191-2.5*AQ	2.5L	n/a	1/ea	$152.10
S9191-4*AQ	4L	n/a	1/ea	$169.20

Sulfuric Acid

FOXPURE® InstraPure
CAS# 7664-93-9
Sulfuric Acid, 8, UN1830, PG II

Test	Specification	Test	Specification
Assay	93 - 98%	Color (APHA)	10

Analyte	Trace Impurities (in µg/g, ppm)	Analyte	Trace Impurities (in µg/g, ppm)
Chloride (Cl)	0.7	Nitrate (NO3-)	0.2
Total Phosphorus (P)	0.05	Subs. Red. Permanganate (KMnO4)	20

Analyte Trace Impurities (in ng/g, ppb)

Al	1	Gd	0.1	Nd	0.1	Te	0.1
Sb	1	Ga	0.1	Ni	0.5	Tb	0.1
As	0.5	Ge	1	Nb	0.1	Tl	0.1
Ba	0.1	Au	0.5	Pd	Info Only	Th	0.1
Be	0.1	Hf	0.1	Pt	Info Only	Tm	0.1
Bi	0.1	Ho	0.1	K	1	Sn	1
Cd	0.5	In	0.1	Pr	0.1	Ti	1
Ca	1	Fe	1	Rh	0.5	W	0.5
Ce	0.1	La	0.1	Rb	0.5	U	0.1
Cs	0.1	Pb	0.1	Sm	0.1	V	0.5
Cr	0.5	Li	0.5	Sc	0.1	Yb	0.1
Co	0.5	Lu	0.1	Se	10	Y	0.1
Cu	0.5	Mg	1	Ag	1	Zn	1
Dy	0.1	Mn	0.5	Na	1	Zr	0.5
Er	0.1	Hg	0.1	Sr	0.5		
Eu	0.1	Mo	0.5	Ta	Info Only		

Item #	Size	Pkg Type	Qty	List
S301-2*FX	500mL	Poly	1/ea	$122.68
S301-2*FX	500mL	Poly	6/cs	$500.22
S301-3*FX	2.5L	Poly	1/ea	$203.14
S301-3*FX	2.5L	Poly	6/cs	$828.36

Sulfuric Acid 10% v/v Aqueous Solution

Sulfuric Acid Solution, 8, UN2796, PG II

Test	Specification	Test	Specification
Actual Assay	v/v% of 10.00 ± 0.05	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9002-4*AQ	4L	n/a	1/ea	$99.31

Sulfuric Acid 20% w/w Aqueous Solution

Sulfuric Acid Solution, 8, UN2796, PG II

Test	Specification	Test	Specification
Actual Assay	20.00 +/- 0.30 w/w% H_2SO_4	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9003-1*AQ	1L	n/a	1/ea	$43.93

Sulfuric Acid 20% (v/v)

Reagent Grade
Sulphuric Acid Solution, 8, UN2796, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	19.97 - 20.03% (v/v)	84

Specification	Reference
Sulfuric Acid, 20% by Volume	TAPPI (T 624 cm-85)
Sulfuric Acid (1:4)	EPA (330.3), EPA (330.1)
Sulfuric Acid Soln. (1:4)	EPA (320.1), EPA (330.2), EPA (345.1)
Sulfuric Acid (1+4)	ASTM (D 128)

Item #	Size	Pkg Type	Qty	List
8165-1*RC	4L	Natural poly	1/ea	$188.85

Sulfuric Acid 25% (v/v)

Sulphuric Acid Solution, 8, UN2796, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	24.97 - 25.03% (v/v)	84

Specification	Reference
Sulfuric Acid Soln. (1 + 3)	EPA (330.5), EPA (330.4)

Item #	Size	Pkg Type	Qty	List
8170-32*RC	1L	Natural poly	1/ea	$88.11

Sulfuric Acid 25% w/w Aqueous Solution

Sulfuric Acid Solution, 8, UN2796, PG II

Test	Specification	Test	Specification
Actual Assay	25.00 +/- 0.20 w/w%	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9005-1*AQ	1L	n/a	1/ea	$43.93

Sulfuric Acid 50% (v/v)

Sulphuric Acid Solution, 8, UN1830, PG II

Name	CAS#	Grade
Sulfuric Acid	7664-93-9	ACS, Reagent
Water	7732-18-5	ACS, Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	49.5 - 50.5% (v/v)	84

Specification	Reference
Sulfuric Acid (1+1)	ASTM (D 2972 A), ASTM (D 2972 B), APHA (4500-SO32- B)
Sulfuric Acid (1+1)	APHA (4500-CN- G), APHA (4500-CN- I), ASTM (D 3869 D)
Sulfuric Acid (1+1)	APHA (4500-Si C), APHA (4500-CN- C), APHA (4500-Cl- D)
Sulfuric Acid (1+1)	APHA (3500-Ca B), EPA (377.1), ASTM (D 2460)
Sulfuric Acid (1+1)	TAPPI (T 665 om-93), ASTM (D 874), ASTM (D 3697)
Sulfuric Acid (1+1)	ASTM (D 2036 A), ASTM (D 2036 B), ASTM (D 2036 C)
Sulfuric Acid (1+1)	ASTM (D 2036 D)
Sulfuric Acid Soln., 1 + 1	APHA (4500-S2- D), APHA (4500-CN- L), EPA (376.2)
Sulfuric Acid, 1:1	TAPPI (T 618 cm-84), TAPPI (T 632 cm-84)
Sulfuric Acid/Water (1:1, v/v)	EPA (SW-846) (3665A)
Sulfuric Acid (1:1 v/v)	EPA (SW-846) (3650B)
Sulfuric Acid Soln. (1:1 v/v)	EPA (SW-846) (3535), EPA (SW-846) (3510C), EPA (SW-846) (3520C)
Sulfuric Acid (9 M)	EPA (SW-846) (3542)
Sampler Wash Soln.	EPA (410.4)

Item #	Size	Pkg Type	Qty	List
8180-32*RC	1L	Natural poly	1/ea	$97.28
8180-5PT*RC	2.5L	SC glass	1/ea	$234.51
8180-5*RC	20L	Cubitainer®	1/ea	$663.57

Sulfuric Acid 50% (w/w)

Sulphuric Acid Solution, 8, UN2796, PG II

Name	CAS#	Grade
Sulfuric Acid	7664-93-9	Reagent
Water	7732-18-5	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	49.95 - 50.05% (w/w)	84

Item #	Size	Pkg Type	Qty	List
8181-5PT*RC	2.5L	SC glass	1/ea	$260.20

Sulfuric Acid 0.0200 N (N/50)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.01998 - 0.02002 N @ 20°C	723

Specification	Reference
Sulfuric Acid, Std. (0.02 N)	ASTM (D 1067 A), ASTM (D 1067 B), ASTM (D 1067 C)
Std. Sulfuric Acid, 0.02 N	APHA (2320 B), EPA (310.1), EPA (305.1)
Sulfuric Acid, 0.02 N	APHA (3500-Al B)
Std. Sulfuric Acid Titrant, 0.02 N	APHA (4500-NH3 C)
Dilute Sulfuric Acid (0.01 M)	EPA (SW-846) (9212), EPA (SW-846) (9211)
Sulfuric Acid, Std. Soln. (0.02 N)	EPA (350.2), EPA (351.3)
Sulfuric Acid Soln., Std. (0.02 N, 1 mL = 0.28 mg Ammonia Nitrogen)	ASTM (D 3590 A)

Item #	Size	Pkg Type	Qty	List
8200-16*RC	500mL	Natural poly	1/ea	$40.90
8200-1*RC	4L	Natural poly	1/ea	$108.44
8200-2.5*RC	10L	Cubitainer®	1/ea	$182.53
8200-5*RC	20L	Cubitainer®	1/ea	$289.19

Sulfuric Acid 0.02 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0200 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9020-500*AQ	500mL	n/a	1/ea	$17.61
9020-1*AQ	1L	n/a	1/ea	$24.15
9020-4*AQ	4L	n/a	1/ea	$57.03
9020-10*AQ	10L	n/a	1/ea	$94.66
9020-20*AQ	20L	n/a	1/ea	$153.67

Sulfuric Acid 0.02 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.0200 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9024-4*AQ	4L	n/a	1/ea	$74.58

Sulfuric Acid 0.0250 N (N/40)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.02499 - 0.02501 N @ 20°C	84

Item #	Size	Pkg Type	Qty	List
8205-5*RC	20L	Cubitainer®	1/ea	$880.23

Sulfuric Acid 0.100 N (N/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.0999 - 0.1001 N @ 20°C	723

Specification	Reference
Sulfuric Acid, 0.05 M (0.1 N)	APHA (4500-SiO2 E)
Std. Sulfuric Acid, 0.1 N	APHA (2320 B), EPA (310.1), EPA (SW-846) (9080)
Sulfuric Acid, 0.1 N	EPA (SW-846) (9315), EPA (SW-846) (9057)
Sulfuric Acid, 0.1 N	TAPPI (T 418 cm-97), TAPPI (T 610 sp-97)
Sulfuric Acid (0.05 M)	EPA (SW-846) (50), EPA (SW-846) (51)
Sulfuric Acid, 0.1 N Standard	EPA (SW-846) (9080)
Sulfuric Acid, Std. (0.05 M)	ASTM (D 3228)
Sulfuric Acid Soln. (1+359)	ASTM (D 3454)
0.05 M Sulphuric Acid Vs	EP (3008000)

Item #	Size	Pkg Type	Qty	List
8250-16*RC	500mL	Natural poly	1/ea	$38.81
8250-32*RC	1L	Natural poly	1/ea	$51.54
8250-1*RC	4L	Natural poly	1/ea	$103.54
8250-2.5*RC	10L	Cubitainer®	1/ea	$258.23
8250-5*RC	20L	Cubitainer®	1/ea	$294.62

Sulfuric Acid 0.1 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.1000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9040-500*AQ	500mL	n/a	1/ea	$19.76
9040-1*AQ	1L	n/a	1/ea	$24.15
9040-4*AQ	4L	n/a	1/ea	$57.03
9040-10*AQ	10L	n/a	1/ea	$99.73

Sulfuric Acid 0.125 N

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.1249 - 0.1251 N @ 20°C	723

Specification	Reference
Sulfuric Acid, 0.1 N	EPA (SW-846) (9315), EPA (SW-846) (9057)
Sulfuric Acid, 0.1 N	TAPPI (T 418 cm-97), TAPPI (T 610 sp-97)
Sulfuric Acid (0.05 M)	EPA (SW-846) (50), EPA (SW-846) (51)
Sulfuric Acid, 0.1 N Standard	EPA (SW-846) (9080)
Std. Sulfuric Acid, 0.1 N	EPA (SW-846) (9080)

Item #	Size	Pkg Type	Qty	List
8256-1*RC	4L	Natural poly	1/ea	$126.39

Sulfuric Acid 0.200 N (N/5)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.1999 - 0.2001 N @ 20°C	723

Specification	Reference
Sulfuric Acid, 0.2 N	APHA (3500-Cr B)
Sulfuric Acid Soln., Std. (0.1 mol/L)	ASTM (D 3712)

Item #	Size	Pkg Type	Qty	List
8260-1*RC	4L	Natural poly	1/ea	$126.05

Sulfuric Acid

Sulfuric Acid 0.2 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.2000 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9050-500*AQ	500mL	n/a	1/ea	$22.01
9050-20*AQ	20L	n/a	1/ea	$179.94

Sulfuric Acid 0.25 N

N.I.S.T. Traceable
Not-Regulated

Test	Specification	Test	Specification
Actual Normality	0.2500 ± 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9060-4*AQ	4L	n/a	1/ea	$80.96
9060-4C*AQ	4L	n/a	1/ea	$84.61
9060-20*AQ	20L	n/a	1/ea	$179.94

Sulfuric Acid 0.5 N

N.I.S.T. Traceable
Sulfuric Acid Solution, 8, UN2796, PG II

Test	Specification	Test	Specification
Actual Normality	0.5000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9070-500*AQ	500mL	n/a	1/ea	$22.01
9070-1*AQ	1L	n/a	1/ea	$28.65
9070-4(CUBE)*AQ	4L	n/a	1/ea	$70.70

Sulfuric Acid 1.00 N

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Tris(hydroxymethyl)aminomethane/Methyl Red)	0.999 - 1.001 N @ 20°C	723

Specification	Reference
Sulfuric Acid, 1 N	APHA (4500-Norg C), TAPPI (T 625 cm-85), APHA (4500-SiO2 C)
Sulfuric Acid, 1 N	APHA (5530 B), APHA (4500-Cl- B), APHA (5570 C)
Sulfuric Acid, 1 N	EPA (425.1), EPA (SW-846) (9067), EPA (370.1)
Sulfuric Acid, 1 N	TAPPI (T 610 sp-97), EPA (420.3), APHA (4500-NH3 B)
Acid Soln., 1 N	APHA (5210 B)
Regenerant Soln. 1, H2SO4, 1 N	APHA (4110 B)
Sulfuric Acid Soln., 1 N	APHA (4500-CN- H)
Sulfuric Acid, 1 N Vs	ACS (N/A), USP (N/A)
0.5 M Sulphuric Acid Vs	EP (3007800)

Item #	Size	Pkg Type	Qty	List
8300-4*RC	120mL	Natural poly	1/ea	$29.27
8300-32*RC	1L	Natural poly	1/ea	$49.14
8300-1*RC	4L	Natural poly	1/ea	$116.08
8300-2.5*RC	10L	Cubitainer®	1/ea	$194.76

Sulfuric Acid 1.0 N

N.I.S.T. Traceable
Sulfuric Acid Solution, 8, UN2796, PG II

Test	Specification	Test	Specification
Actual Normality	1.0000 +/- 0.0005 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9090-500*AQ	500mL	n/a	1/ea	$22.01
9090-1*AQ	1L	n/a	1/ea	$28.65
9090-4*AQ	4L	n/a	1/ea	$74.58
9090-10*AQ	10L	n/a	1/ea	$111.32

Sulfuric Acid 2.00 N

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Sulphuric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	1.999 - 2.001 N @ 20°C	84

Specification	Reference
Sulfuric Acid, 2 N	APHA (2350 E)
Sulfuric Acid, 2 N	EPA (245.2)

Item #	Size	Pkg Type	Qty	List
8310-16*RC	500mL	Natural poly	1/ea	$39.04
8310-32*RC	1L	Natural poly	1/ea	$62.48

Sulfuric Acid 2.0 N

N.I.S.T. Traceable
Sulfuric Acid Solution, 8, UN2796, PG II

Test	Specification	Test	Specification
Actual Normality	2.0000 ± 0.0010 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9100-500*AQ	500mL	n/a	1/ea	$22.01
9100-1*AQ	1L	n/a	1/ea	$35.04

Sulfuric Acid Solution 4 N Solution

N.I.S.T. Traceable
Sulfuric Acid Solution, 8, UN2796, PG II

Test	Specification	Test	Specification
Actual Normality	4.0000 +/- 0.0050 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9096-4*AQ	4L	n/a	1/ea	$94.73

Sulfuric Acid 5.00 N

Sulphuric Acid Solution, 8, UN2796, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	4.995 - 5.005 N @ 20°C	84

Specification	Reference
Sulfuric Acid, 5 N	APHA (4500-P E), APHA (4500-NH3 G), EPA (350.1)
Sulfuric Acid, 2.5 M	TAPPI (T 408 cm-97)
Sulfuric Acid Soln., 5 N	EPA (365.1), EPA (365.2)

Item #	Size	Pkg Type	Qty	List
8325-16*RC	500mL	Natural poly	1/ea	$56.35
8325-32*RC	1L	Natural poly	1/ea	$86.79

Sulfuric Acid Solution 5.0 N Aqueous

N.I.S.T. Traceable
Sulfuric Acid Solution, 8, UN2796, PG II

Test	Specification	Test	Specification
Actual Normality	5.0000 +/- 0.0050 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9109-4*AQ	4L	n/a	1/ea	$120.35

Sulfuric Acid 5.25 N Solution

N.I.S.T. Traceable
Sulfuric Acid Solution, 8, UN2796, PG II

Test	Specification	Test	Specification
Actual Normality	5.2500 +/- 0.0100 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9098-100*AQ	100mL	n/a	1/ea	CALL

Sulfuric Acid 6 N Solution

N.I.S.T. Traceable
Sulfuric Acid Solution, 8, UN2796, PG II

Test	Specification	Test	Specification
Actual Normality	6.0000 +/- 0.0100 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9099-1*AQ	1L	n/a	1/ea	$56.91

Sulfuric Acid 10 N Solution

N.I.S.T. Traceable
Sulfuric Acid Solution, 8, UN2796, PG II

Test	Specification	Test	Specification
Actual Normality	10.000 +/- 0.050 N @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9106-500*AQ	500mL	n/a	1/ea	$37.63
9106-4*AQ	4L	n/a	1/ea	$120.1

Sulfuric Acid 11.00 N

Sulphuric Acid Solution, 8, UN2796, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sulfuric Acid	7664-93-9	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. Sodium Hydroxide/Phenolphthalein)	10.95 - 11.05 N @ 20°C	84

Item #	Size	Pkg Type	Qty	List
8341-32*RC	1L	Natural poly	1/ea	$166.70

Sulfuric Acid-Silver Sulfate Reagent for Chemical Oxygen Demand (COD)

Sulphuric Acid Solution, 8, UN1830, PG II

Name	CAS#	Grade
Sulfuric Acid	7664-93-9	ACS
Water	7732-18-5	ACS
Silver Sulfate	10294-26-5	ACS

Test	Specification
Appearance	Colorless liquid

Specification	Reference
Silver Sulfate Catalyst Soln.	ASTM (D 1252 B)
Sulfuric Acid Reagent	APHA (5220 B), APHA (5220 C), APHA (5220 D)
Sulfuric Acid Reagent	EPA (410.3), EPA (410.1), EPA (410.2)
Catalyst Soln.	EPA (410.4)

Item #	Size	Pkg Type	Qty	List
8350-32*RC	1L	SC glass	1/ea	$461.71

Synthetic Fresh Water, Soft 104 ppm TDS as Fresh Water Ions, 40 - 48 mg/L Hardness as $CaCO_3$

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Calcium Sulfate Dihydrate	10101-41-4	ACS
Magnesium Sulfate	7487-88-9	Reagent
Sodium Bicarbonate	144-55-8	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Conductivity @ 25°C (Method: SQCP031, SQCP03	152 - 158 µS/cm	999

Specification	Reference
Reconstituted Fresh Water, Soft	APHA (8010 E)
Synthetic Freshwater, Soft	EPA (EPA/600/4-90/027F)

Item #	Size	Pkg Type	Qty	List
8662-32*RC	1L	Natural poly	1/ea	$80.95

Synthetic Fresh Water, Moderately Hard 207 ppm TDS as Fresh Water Ions, 80 - 100 mg/L Hardness as $CaCO_3$

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Bicarbonate	144-55-8	ACS
Magnesium Sulfate	7487-88-9	Reagent
Potassium Chloride	7447-40-7	ACS
Calcium Sulfate Dihydrate	10101-41-4	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Conductivity @ 25°C (Method: SQCP031, SQCP03)	280.0 - 300.0 µS/cm	999

Specification	Reference
Reconstituted Fresh Water, Moderately Hard	APHA (8010 E)
Synthetic Freshwater, Moderately Hard	EPA (EPA/600/4-90/027F)

Item #	Size	Pkg Type	Qty	List
8663-32*RC	1L	Natural poly	1/ea	$80.95

Synthetic Fresh Water, Very Hard 830 ppm TDS as Fresh Water Ions, 280 - 320 mg/L Hardness as $CaCO_3$

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Bicarbonate	144-55-8	ACS
Magnesium Sulfate	7487-88-9	Reagent
Calcium Sulfate Dihydrate	10101-41-4	ACS
Potassium Chloride	7447-40-7	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Conductivity @ 25°C (Method: SQCP031, SQCP03)	990 - 1060 µS/cm	999

Specification	Reference
Reconstituted Fresh Water, Very Hard	APHA (8010 E)
Synthetic Freshwater, Very Hard	EPA (EPA/600/4-90/027F)

Item #	Size	Pkg Type	Qty	List
8665-32*RC	1L	Natural poly	1/ea	$85.39

Tartaric Acid 10% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Tartaric Acid	87-69-4	ACS

Test	Specification
Appearance	Colorless to slightly yellow liquid
Assay (by Refractive Index)	9.5 - 10.5% (w/v)

Item #	Size	Pkg Type	Qty	List
8371-16*RC	500mL	Natural poly	1/ea	$75.85

TDS442 Solution 3000 ppm

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Sulfate Anhydrous	7757-82-6	ACS
Sodium Bicarbonate	144-55-8	ACS
Sodium Chloride	7647-14-5	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Conductivity @ 25°C (Method: SQCP031, SQCP03)	3890 - 3910 µS/cm	999

Item #	Size	Pkg Type	Qty	List
R8668300-1A*RC	1L	Natural poly	1/ea	CALL

tert-Butyl Alcohol
ACS Reagent Grade
CAS# 75-65-0
Butanols, 3, UN1120, PG II

Test	Specification	Test	Specification
Appearance	Clear liquid	Water (H_2O)	0.1% max
Assay	99.0% min	Color (APHA)	20 max
Residue after Evap.	0.003% max	Carbonyl Compounds (as Formaldehyde)	0.01% max
Titrable Acid	0.001 meq/g max		

Item #	Size	Pkg Type	Qty	List
B8275-500*AQ	500mL	n/a	1/ea	$100.08

Tetrachloroethylene
Laboratory Grade
CAS# 127-18-4
Tetrachloroethylene, 6.1, UN1897, PG III

Test	Specification	Test	Specification
Appearance	Colorless to water-white liquid	Non-volatile Residue	10 ppm max
Assay	≥ 99.91%	Alkalinity (as NaOH)	15 ppm min, 30 ppm max
Water	30 ppm max	Perchloroethylene	99.900 wt% min
Color, Pt-Co	15 max		

Item #	Size	Pkg Type	Qty	List
T4000-4*AQ	4L	n/a	1/ea	$225.53

Tetrahydrofuran
FOXPURE® ACS
CAS# 109-99-9
Tetrahydrofuran, 3, UN2056, PG II

Test	Specification	Test	Specification
Assay (by GC-FID)	min 99.0%	Residue after Evap.	max 0.03%
Color (APHA)	max 20	Stabilizer (BHT)	0.02 to 0.03%
Peroxides/Epoxides (as Hydrogen Peroxide at time of packaging)	max 0.015%	Water (by KF Coulometry)	max 0.02%

Item #	Size	Pkg Type	Qty	List
T895-4*FX	4L	n/a	1/ea	$388.03
T895-4*FX	4L	n/a	4/cs	$1033.84

Tetrahydrofuran
HPLC Grade, Uninhibited
CAS# 109-99-9
Tetrahydrofuran, 3, UN2056, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Residue	< 1 mg/L
Water by KF Titration	0.004%	GC Analysis	99.9+%
UV Cutoff	211 nm	Peroxides (as H_2O_2)	< 2 mg/L
Refractive Index (20°C)	1.4074		

Item #	Size	Pkg Type	Qty	List
T5111-4*AQ	4L	n/a	1/ea	$429.08

Tetrahydrofuran (Stabilized)
ACS Reagent Grade
CAS# 109-99-9
Tetrahydrofuran, 3, UN2056, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Form	Clear liquid
Assay (GC)	min 99.5%	Peroxide (as H_2O_2)	max 0.005%
Color (APHA)	max 10	Stabilizer (BHT)	0.014 - 0.031%
Evap. Residue	max 0.03%	Water (H_2O)	max 0.05%

Item #	Size	Pkg Type	Qty	List
T5110-500*AQ	500mL	n/a	1/ea	$88.92
T5110-1*AQ	1L	n/a	1/ea	$133.76
T5110-4*AQ	4L	n/a	1/ea	$387.86
T5110-20*AQ	20L	n/a	1/ea	$958.18

Tetrahydrofuran (Stabilized)
Laboratory Grade
CAS# 109-99-9
Tetrahydrofuran, 3, UN2056, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Peroxide (THF Hydroperoxide)	< 5
Assay	99.99%	Total Impurities	96 ppm
Color, PT-CO	3	Inhibitor	273 ppm
Water	39 ppm		

Item #	Size	Pkg Type	Qty	List
T5113-500*AQ	500mL	n/a	1/ea	$62.25

Thioacetamide
ACS Reagent Grade
CAS# 62-55-5
Not-Regulated

Test	Specification	Test	Specification
Assay	min 99.0%	Melting Point	111 - 114°C
Clarity of a 2% Soln.	To pass test	Residue after Ignition	max 0.05%

Item #	Size	Pkg Type	Qty	List
RDCT0350-100B1*RC	100g	Poly	1/ea	$296.89

Thorium Nitrate 0.100 N (N/10)
Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Thorium Nitrate	13470-07-0	Reagent

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. EDTA/Xylenol Orange)	0.0995 - 0.1005 N @ 20°C	915

Item #	Size	Pkg Type	Qty	List
R8430100-1C*RC	1L	Amb glass	1/ea	$703.15

Thymolphthalein Solution 0.05% w/v in 50% Ethanol
Indicator Solution
Flammable Liquid, n.o.s. (Ethanol), 3, UN1993, PG II

Test	Specification	Test	Specification
Appearance & Color	Clear water white liquid	pH	8.8 Colorless - 10.5 Blue

Item #	Size	Pkg Type	Qty	List
T4987-100*AQ	100mL	n/a	1/ea	$26.36

Thymolphthalein Indicator 0.05% (w/v) in 90% (v/v) Alcohol
Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Water	7732-18-5	ACS/ASTM/USP/EP
Methyl Alcohol	67-56-1	Reagent
Thymolphthalein	125-20-2	ACS

Test	Specification
Appearance	Colorless liquid
Suitability for Use	Colorless (pH < 8.8) - Pale, greyish-blue (pH 9.4) - Blue (pH 9.9) - Intense blue (pH > 10.5)

Item #	Size	Pkg Type	Qty	List
8450-16*RC	500mL	Natural poly	1/ea	$85.61
8450-32*RC	1L	Natural poly	1/ea	CALL

Tin ICP Standard 1000 ppm Sn in 3% HNO_3
Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Tin	7440-31-5	High Purity
Hydrofluoric Acid	7664-39-3	Trace Metals

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Tin (Sn)	995 - 1005 ppm	3161

Specification	Reference
Tin ICP Standard, 1 mL = 1 mg Sn (1,000 ppm Sn) Sn in 3% HNO3 / trace HF	EPA (200.7)

Item #	Size	Pkg Type	Qty	List
PSN1KN-100*RC	100mL	Natural LDPE	1/ea	$137.89

Tin ICP Standard 1000 ppm Sn in 10% HCl

Hydrochloric Acid Solution, 8, UN1789, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	Trace Metals
Nitric Acid	7697-37-2	Trace Metals
Tin	7440-31-5	High Purity

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Tin (Sn)	995 - 1005 ppm	3161

Specification	Reference
Tin ICP Standard, 1 mL = 1 mg Sn (1,000 ppm Sn) Sn in 10% HCl	EPA (200.7)

Item #	Size	Pkg Type	Qty	List
PSN1KH-100*RC	100mL	Natural LDPE	1/ea	$137.89

TISAB
Total Ionic Strength Adj. Buffer

ASTM D 1179 for Fluoride
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Clear water white liquid	pH	5.00 - 5.50

Item #	Size	Pkg Type	Qty	List
9453-4*AQ	4L	n/a	1/ea	$165.53

TISAB
Total Ionic Strength Adj. Buffer

APHA/EPA for Fluoride
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Clear liquid	pH	5.250 ± 0.250

Item #	Size	Pkg Type	Qty	List
9451-4*AQ	4L	n/a	1/ea	$165.53
9451-20*AQ	20L	n/a	1/ea	$692.06

HydroSpec® Titrant T2
For Two Component Volumetric Titrations with Lower Moisture Content

Methanol Solution, 3, UN1230, PG II

Name	CAS#
Methyl Alcohol	67-56-1
Iodine	7553-56-2

Test	Specification
Suitability for Use	KF titrations
Titer	1.8 - 2.3 mg/mL

Item #	Size	Pkg Type	Qty	List
RK250000-1C*RC	1L	Amb glass	1/ea	$128.35

Titration Solvent
for Neutralization Number of Petroleum Products

Flammable Liquids, n.o.s. (Toluene, Isopropanol), 3, UN1993, PG II

Name	CAS#	Grade
Toluene	108-88-3	ACS
Isopropyl Alcohol	67-63-0	ACS
Water	7732-18-5	ACS/ASTM/USP/EP

Test	Specification
Appearance	Colorless liquid

Specification	Reference
Titration Solvent	ASTM (D 664), ASTM (D 3242), ASTM (D 974)
Titration Solvent	ASTM (D 3339), ASTM (D 974), ASTM (D 3242)

Item #	Size	Pkg Type	Qty	List
8620-1*RC	4L	Amb glass	1/ea	$287.80

Total Organic Carbon Std. 2.0 ppm

EPA 415 / Standard Methods
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Clear liquid	TOC Certification	2.00 +/- 0.20 ppm

Item #	Size	Pkg Type	Qty	List
9561-500*AQ	500mL	n/a	1/ea	$52.68

Total Organic Carbon Std. 1000 mg/L (ppm) Solution

EPA 415 / Standard Methods
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Clear liquid	TOC Certification	1,000.0 +/- 10 ppm

Item #	Size	Pkg Type	Qty	List
9570-500*AQ	500mL	n/a	1/ea	$52.68
9570-1*AQ	1L	n/a	1/ea	$79.06

Total Organic Carbon Std. 100 mg/L (ppm) Solution

EPA 415 / Standard Methods
Not-Regulated

Test	Specification	Test	Specification
Appearance & Color	Clear liquid	TOC Certification	100.0 +/- 1.0 ppm

Item #	Size	Pkg Type	Qty	List
9572-1*AQ	1L	n/a	1/ea	$79.06

Toluene

ACS Reagent Grade
CAS# 108-88-3
Toluene, 3, UN1294, PG II

Test	Specification	Test	Specification
Appearance	Colorless liquid	Subs. Darkened by Permanganate	Passes test
Assay	99.5% min	Infrared Spectrum	Conforms
Color (APHA)	10 max	Sulfur Compounds as (S)	0.003% max
Evap. Residue	0.003% max	Water (H2O)	0.03% max

Item #	Size	Pkg Type	Qty	List
T7601-1*AQ	1L	n/a	1/ea	$61.98

Toluene

FOXPURE® ACS Reagent Grade
CAS# 108-88-3
Toluene, 3, UN1294, PG II

Test	Specification	Test	Specification
Appearance	Clear	Sulfur Compound	max 0.003%
Assay by GC	min 99.50	Water (n)	max 0.030
Color (APHA)	max 10	Boiling Range	110.6 ± 0.1
Residue after Evap.	max 0.001%	Density @ 25°C	max 0.873
Subs. Dark. By Sulfuric Acid	Pass	Refractive Index @ 25°C (n)	max 1.49600

Item #	Size	Pkg Type	Qty	List
T146-55*FX	55gal	Metal drum	1/ea	CALL

Toluidine Blue Stain 1% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Toluidine Blue O	92-31-9	Certified

Test	Specification	Test	Specification
Appearance	Bluish-purple liquid	UV/Visible Spectrum	To pass test

Item #	Size	Pkg Type	Qty	List
8654-16*RC	500mL	Amb glass	1/ea	$161.27

Total Alkalinity Indicator

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Carbonate	497-19-8	ACS
Methyl Red, Sodium Salt	845-10-3	ACS
Bromocresol Green, Sodium Salt	62625-32-5	ACS

Test	Specification	Test	Specification
Appearance	Deep green/blue liquid	Suitability for Use	Pink (pH 4.5) - Greenish-blue (pH 5.4)

Item #	Size	Pkg Type	Qty	List
R8667000-500C*RC	500mL	Amb glass	1/ea	$67.44

Total Ionic Strength Adjustment Buffer (TISAB II) with CDTA for Fluoride Analysis using Ion Selective Electrodes

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Acetic Acid	64-19-7	ACS
Sodium Chloride	7647-14-5	ACS
Sodium Hydroxide	1310-73-2	Reagent
1,2-Cyclohexylenediamine Tetraacetic Acid (CDTA)	13291-61-7	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
pH @ 25°C (Method: SQCP027, SQCP033)	5.30 - 5.50	185i, 186-I-g, 186-II-g
Suitability for Use	Fluoride analysis	

Specification	Reference
Fluoride Buffer	APHA (4500-F- C)
TISAB Soln.	EPA (SW-846) (9214)
Buffer Soln., pH 5.0 - 5.5	EPA (340.2)

Item #	Size	Pkg Type	Qty	List
8670-1*RC	4L	Natural poly	1/ea	$366.49
8670-5*RC	20L	Cubitainer®	1/ea	$1572.87

Total Suspended Solids (TSS) Standard 100 ppm TSS (Gravimetric, Dried @ 103 - 105°C)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Cellulose	9004-34-6	Laboratory

Test	Specification
Appearance	Colorless liquid
Total Suspended Solids (EPA 160.2)	93 - 107 mg/L

Item #	Size	Pkg Type	Qty	List
8672-16*RC	500mL	Amb glass	1/ea	CALL
8672-32*RC	1L	Amb glass	1/ea	$115.17

Total Suspended Solids (TSS) Standard 500 ppm TSS (Gravimetric, Dried @ 103 - 105°C)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Cellulose	9004-34-6	Laboratory

Test	Specification
Appearance	Colorless liquid
Total Suspended Solids (EPA 160.2)	465 - 535 mg/L

Item #	Size	Pkg Type	Qty	List
8672.6-32*RC	1L	Amb glass	1/ea	$339.10

Triethanolamine 50% (v/v)

Not-Regulated

Name	CAS#	Grade
Triethanolamine	102-71-6	Reagent
Water	7732-18-5	ACS/ASTM/USP/EP

Test	Specification
Appearance	Colorless to pale yellow liquid

Item #	Size	Pkg Type	Qty	List
R8695900-1C*RC	1L	Amb glass	1/ea	$86.77
R8695900-4C*RC	4L	Amb glass	1/ea	$1097.77

Triethanolamine 99%

Laboratory Grade
CAS# 102-71-6
Not-Regulated

Test	Specification	Test	Specification
Appearance	Colorless to water-white liquid	Color (Pt-Co)	0 - 75
TEA Assay	99.5% - 100.8%	DEA	0.000% min / 0.099% max
Water	0.00% min / 0.20% max	Refractive Index, 20°C	1.4810 min / 1.4860 max
Ash, Sulfated	0.000% min / 0.050% max		

Item #	Size	Pkg Type	Qty	List
T8000-1*AQ	1L	n/a	1/ea	$107.25

Tris Hydroxymethyl Aminomethane (THAM)

ACS Reagent Grade
CAS# 77-86-1
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Insoluble Matter	0.005% max
Assay	98.8 - 100.1%	Heavy Metals (as Pb)	5 ppm max
Absorbance	Passes test	Iron (Fe)	5 ppm max
Water (H_2O)	2% max		

Item #	Size	Pkg Type	Qty	List
T8338-500*AQ	500g	n/a	1/ea	$207.41

Triton® X-100 Biological Surfactant

CAS# 9002-93-1
Not-Regulated

Test	Specification	Test	Specification
Appearance	Viscous colorless liquid	Color, Pt-Co	60 max
Cloud Point (°C)	63 min / 69 max	Appearance	Passes

Item #	Size	Pkg Type	Qty	List
T9010-500*AQ	500mL	n/a	1/ea	$81.03
T9010-1*AQ	1L	n/a	1/ea	$135.87

Triton® X-100 Wetting Agent

CAS# 9002-93-1
Not-Regulated

Test	Specification
Appearance	Colorless liquid

Specification	Reference
Std. Isotonic Sodium Chloride Soln. for Immunohematologic Testing	NCCLS (ASI/BB-1)

Item #	Size	Pkg Type	Qty	List
8698.5-16*RC	500mL	Natural poly	1/ea	$118.08

Total Suspended Solids (TSS) Standard 20 ppm TSS (Gravimetric, Dried @ 103 - 105°C)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Cellulose	9004-34-6	Laboratory

Test	Specification
Appearance	Colorless liquid
Total Suspended Solids (EPA 160.2)	18 - 22 mg/L

Item #	Size	Pkg Type	Qty	List
8671-32*RC	1L	Amb glass	1/ea	$108.84

Turbidity Standard 20 NTU Polymer Bead Suspension

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Preservative	Proprietary	
Polystyrene Microspheres	9003-53-6	Reagent

Test	Specification
Appearance	Colorless liquid
Turbidity	19.9 - 20.1 NTU

Item #	Size	Pkg Type	Qty	List
R8819000-500G*RC	500mL	Clear PET-g	1/ea	$157.72

Turbidity Standard 1000 NTU Formazin

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hexamethylenetetramine	100-97-0	ACS
Hydrazine Sulfate	10034-93-2	ACS

Test	Specification
Appearance	Milky white suspension
Turbidity	950 - 1050 NTU

Item #	Size	Pkg Type	Qty	List
8825-16*RC	500mL	Amb glass	1/ea	$121.56

Tween 20 0.05% Aqueous

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Tween 20	9005-64-5	Purified

Test	Specification
Appearance	Colorless liquid

Item #	Size	Pkg Type	Qty	List
8860-16*RC	500mL	Amb glass	1/ea	$176.25

Universal Indicator Solution (pH 2 - 10)

Flammable Liquid, n.o.s. (Methanol), 3, UN1993, PG II

Test	Specification	Test	Specification
pH	8.2 - 10.2 (Green)	Appearance & Color	Clear green liquid

Item #	Size	Pkg Type	Qty	List
U3852-1*AQ	1L	n/a	1/ea	$84.84

Universal Indicator pH 2 - 10

Alcohols, n.o.s. (Ethanol, Methanol), 3, UN1987, PG II

Name	CAS#	Grade
Ethyl Alcohol	64-17-5	Reagent
Methyl Alcohol	67-56-1	Reagent
Thymol Blue, Sodium Salt	62625-21-2	ACS
Bromothymol Blue Sodium Salt	34722-90-2	ACS
Methyl Yellow	60-11-7	Reagent
Methyl Red	493-52-7	ACS
Phenolphthalein	77-09-8	ACS

Test	Specification
Appearance	Dark colored liquid
Suitability for Use	Color changes OK

Item #	Size	Pkg Type	Qty	List
8870-4*RC	120mL	Amb glass	1/ea	$80.66
8870-32*RC	1L	Amb glass	1/ea	$250.34

Urea

ACS Reagent Grade, Crystal
CAS# 57-13-6
Not-Regulated

Test	Specification	Test	Specification
Appearance	White Crystalline	Chloride (Cl)	5 ppm max
Assay	99.0 - 100.5%	Sulfate (SO4)	0.001% max
Insoluble Matter	0.01% max	Heavy Metals (as Pb)	0.001% max
Residue after Ignition	0.01% max	Iron (Fe)	0.001% max

Item #	Size	Pkg Type	Qty	List
U7690-2.5*AQ	2.5kg	n/a	1/ea	$156.51

Vanadate-Molybdate Reagent for Phosphorus Analysis

Hydrochloric Acid Solution, 8, UN1789, PG II

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS
Ammonium Molybdate Tetrahydrate	12054-85-2	ACS
Ammonium Metavanadate	7803-55-6	ACS

Test	Specification
Appearance	Yellow-green liquid
Suitability for Use	Yellow in the presence of Phosphate

Specification	Reference
Vanadate-Molybdate Reagent	APHA (4500-P C)

Item #	Size	Pkg Type	Qty	List
8980-32*RC	1L	Natural poly	1/ea	$118.28

Viscosity Calibration Fluid 100 cSt

N.I.S.T. Traceable
Not-Regulated

Item #	Size	Pkg Type	Qty	List
V5100-500*AQ	500mL	n/a	1/ea	$128.74

Viscosity Calibration Fluid, 500 cSt

Not-Regulated

Item #	Size	Pkg Type	Qty	List
V5500-500*AQ	500mL	n/a	1/ea	$128.74

Vitex, (Modified Starch)

CAS# 9005-84-9
Not-Regulated

Test	Specification	Test	Specification
Suitablilty as Iodometric Indicator	Passes test	Insoluble	0.01% max

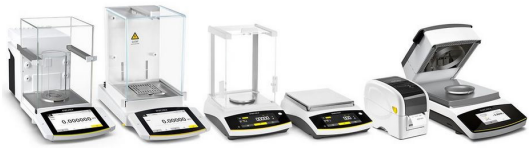
Item #	Size	Pkg Type	Qty	List
76601*GF	100g	n/a	1/ea	$90.46
76602*GF	500g	n/a	1/ea	$268.57

Water

USP Purified, Sterile Filtered, WFI Quality
CAS# 7732-18-5
Not-Regulated

Test	Specification	Test	Specification
Bacterial Endotoxin - USP <85>	< 0.2500 EU/mL	Sterility USP <71>: No Growth	No growth
Conductivity (Bulk Water) @ 25°C - USP <645>	max 1.300 µS/cm	TOC (Bulk Water) - USP <643>	max 500 ppb
Conductivity (Packaged Water) - USP <645>	Meets requirements	TOC (Packaged Water) - USP <643>	max 500 ppb
Conductivity Measurement Temperature (Packaged Water)	Actual value reported		

Item #	Size	Pkg Type	Qty	List
R9192000-20S*RC	20L	Poly bag in box	1/ea	$492.57



Water, ASTM Type I & II

ACS Reagent Grade
CAS# 7732-18-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	Colorless liquid	Organic Carbon (TOC)	max 50 ppb
Chloride (Cl)	max 1 ppb	Phosphate (PO_4)	max 1.0 ppm
Conductivity @ 25°C	max 0.056 µS/cm	Silicate (as SiO_2)	max 3 ppb
Heavy Metals (as Pb)	max 0.01 ppm	Sodium (Na)	max 1 ppb
Nitrate (NO_3)	max 0.4 ppm	Sulfate (SO_4)	max 1.0 ppm
Oxidizable Subs. (Permanganate Retention)	To pass test		

Specification	Reference
Reagent Water	ACS (N/A)
Reagent Water, Type I, Type II,	ASTM (D 1193)
Reagent Water, Type III, Type IV	ASTM (D 1193)

Item #	Size	Pkg Type	Qty	List
9150-32*RC	1L	Natural poly	1/ea	$32.92
9150-1*RC	4L	Natural poly	1/ea	$36.04
9150-1CT*RC	4L	Cubitainer®	1/ea	$72.86
9150-5*RC	20L	Cubitainer®	1/ea	$111.72
9150-5HP*RC	20L	Ropak™	1/ea	$130.58

Water

FOXPURE® UltraPure
CAS# 7732-18-5
Not-Regulated

Test	Specification
Color (APHA)	10

Analyte	Trace Impurities (in ng/g, ppb)	Analyte	Trace Impurities (in ng/g, ppb)
Chloride (Cl)	1	Sulphate (SO_4^{2-})	1
Phosphate (PO_4^{3-})	1		

Analyte Trace Impurities (in pg/g, ppt)

Al	20	Gd	1	Ni	10	Te	1
Sb	10	Ga	10	Nb	10	Tb	10
As	10	Ge	10	Pd	10	Tl	10
Ba	10	Au	10	Pt	10	Th	1
Be	10	Hf	1	K	10	Tm	10
Bi	10	Ho	1	Pr	10	Sn	10
B	20	In	1	Re	10	Ti	10
Cd	10	Fe	10	Rh	10	W	10
Ca	10	La	1	Rb	10	U	1
Ce	10	Pb	10	Ru	10	V	10
Cs	10	Li	10	Sm	10	Yb	10
Cr	10	Lu	1	Sc	10	Y	1
Co	10	Mg	10	Se	50	Zn	10
Cu	10	Mn	10	Ag	10	Zr	10
Dy	1	Hg	20	Na	10		
Er	1	Mo	10	Sr	10		
Eu	1	Nd	1	Ta	10		

Item #	Size	Pkg Type	Qty	List
W100-2*FX	500mL	LDPE bottle	1/ea	$452.34
W100-2*FX	500mL	LDPE bottle	6/cs	$1844.46
W100-5*FX	1L	LDPE bottle	1/ea	$699.82
W100-5*FX	1L	LDPE bottle	6/cs	$2853.60
W100-6*FX	2L	LDPE bottle	1/ea	$179.06

Water

FOXPURE® LC-MS
CAS# 7732-18-5
Not-Regulated

Test	Specification	Test	Specification
Residue after Evap.	max 1 mg/L	Fluorescence at Emission Max. for Impurities	max 0.3 ppb
Ultraviolet Absorbance Test	Passes test	LC-MS Positive Mode (as Reserpine)	max 50 ppb
Refractive Index @ 20°C	1.3325 - 1.3335	LC-MS Negative Mode (as Nitrophenol)	max 50 ppb
LC Gradient Elution Suitability	Passes test	Trace Metals	Passes test

Item #	Size	Pkg Type	Qty	List
W955-4*FX	4L	Amb glass	1/ea	$338.05
W955-4*FX	4L	Amb glass	4/cs	$899.20

Water, ASTM Type I & II

ACS Reagent Grade
CAS# 7732-18-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	Colorless liquid	Organic Carbon (TOC)	max 50 ppb
Chloride (Cl)	max 1 ppb	Phosphate (PO_4)	max 1.0 ppm
Conductivity @ 25°C	max 0.056 µS/cm	Silicate (as SiO_2)	max 3 ppb
Heavy Metals (as Pb)	max 0.01 ppm	Sodium (Na)	max 1 ppb
Nitrate (NO_3)	max 0.4 ppm	Sulfate (SO_4)	max 1.0 ppm
Oxidizable Subs. (Permanganate Retention)	To pass test		

Specification	Reference
ASTM Type II Water	EPA (SW-846) (7197), EPA (SW-846) (7195)
Deionized, Distilled Water (ASTM Type II)	EPA (200.7)
Reagent Water	ACS (N/A), EPA (SW-846) (N/A)
Reagent Water, Type I, Type II,	ASTM (D 1193)
Reagent Water, Type III, Type IV	ASTM (D 1193)

Item #	Size	Pkg Type	Qty	List
9151-1*RC	4L	Amb glass	1/ea	$58.92

Water

USP/EP Purified
CAS# 7732-18-5
Not-Regulated

Test	Specification	Test	Specification
Acidity or Alkalinity	To pass test	Endotoxins (Chromogenic Determination)	max 0.25 EU/mL
Ammonia (NH_3)	max 0.3 ppm	Magnesium (Mg)	max 0.5 ppm
Ammonium (NH_4)	max 0.2 ppm	Microbial Count (at time of manufacture)	max 100 CFU/mL
Appearance	Clear, colorless liquid	Nitrate (NO_3)	max 0.2 ppm
Calcium (Ca)	max 0.5 ppm	Organic Carbon (TOC)	max 0.50 ppm
Carbon Dioxide (CO_2)	To pass test	Sulfate (SO_4)	max 0.5 ppm
Chloride (Cl)	max 0.5 ppm	pH @ 25°C (Method: SQCP027, SQCP033)	5.0 - 7.0
Conductivity @ 25°C	max 1 µS/cm	Residue after Evap. (Non-volatile Matter)	max 0.001%
Heavy Metals (as Pb)	max 0.1 ppm	Oxidizable Subs. (Permanganate Retention)	To pass test

Specification	Reference
Purified Water	EP (2009:0008), USP (N/A)
Water R	EP (1095500)

Item #	Size	Pkg Type	Qty	List
9190-2.5*RC	10L	Cubitainer®	1/ea	$147.67
9190-5*RC	20L	Cubitainer®	1/ea	$240.23

Water

USP Purified, Nonsterile
CAS# 7732-18-5
Not-Regulated

Test	Specification	Test	Specification
Ammonia (NH_3)	max 0.3 ppm	Magnesium (Mg)	max 0.5 ppm
Ammonium (NH_4)	max 0.2 ppm	Conductivity @ 25°C	max 1 µS/cm
Appearance	Colorless liquid	Sulfate (SO_4)	max 0.5 ppm
Calcium (Ca)	max 0.5 ppm	Organic Carbon (TOC)	max 0.5 ppm
Carbon Dioxide (CO_2)	To pass test	pH @ 25°C (Method: SQCP027, SQCP033)	5.0 - 7.0
Chloride (Cl)	max 0.5 ppm	Oxidizable Subs. (Permanganate Retention)	To pass test

Specification	Reference
Purified Water	USP (N/A)

Item #	Size	Pkg Type	Qty	List
R9191000-55E*RC	55gal	Poly drum	1/ea	$716.62

Water, RNase, DNase, Protease & DEPC Free

Molecular Biology Grade, Sterile
CAS# 7732-18-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	Clear, colorless liquid	Endotoxin (none detected)	To pass test
Bioburden (no growth)	To pass test	Protease Activity (none detected)	To pass test
DNase Activity (none detected)	To pass test	RNase Activity (none detected)	To pass test

Item #	Size	Pkg Type	Qty	List
R9145000-1G*RC	1L	Clear PET-g	1/ea	$58.41

Water, Ultra Pure

HPLC Grade, A.C.S
CAS# 7732-18-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	Colorless liquid	Phosphate (PO_4), Sulfate (SO_4)	1.0 ppm max
Sodium (Na)	5.0 ppb max	As, Cd, Pb, Ni	1.0 ppb max
Chloride (Cl)	5.0 ppb max	Cr, Cu	5.0 ppb max
Silica (Si)	3.0 ppb max	Ag, Hg	0.3 ppb max
Heavy Metals (as Pb)	10.0 ppb max	Suitable for BOD, COD, & TOC tests	
Nitrate (NO_3)	0.04 ppm max		

Item #	Size	Pkg Type	Qty	List
W1089-4*AQ	4L	n/a	1/ea	$110.43

Water, Deionized ASTM Type I

ACS Reagent Grade
CAS# 7732-18-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	Clear	Nitrate (NO3)	≤ 0.4 ppm
Conductivity @ 25°C	≤ 0.0555 umbos	Phosphate (PO4)	≤ 1.0 ppm
Electrical Resistivity Megohm	≥ 18 megohm	Sulfate (SO4)	≤ 1.0 ppm
T.O.C.	≤ 50.0 ppb	AS, Cd, Pb, Ni	≤ 1.0 ppb
Sodium	≤ 1.0 ppb	Cr, Cu	≤ 0.5 ppb
Chloride	≤ 1.0 ppb	Ag, Hg	≤ 0.2 ppb
Silica	≤ 3.0 ppb	Suitable for BOD, COD, & TOC Tests	
Heavy Metals (as Pb)	≤ 10.0 ppb		

Item #	Size	Pkg Type	Qty	List
9762-4*AQ	4L	n/a	1/ea	$24.24

Water, Deionized ASTM Type II

ACS Reagent Grade
CAS# 7732-18-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	Clear	Nitrate (NO3)	≤ 0.4 ppm
Conductivity @ 25°C	≤ 1.0 umhos	Phosphate (PO4)	≤ 1.0 ppm
T.O.C.	≤ 50.0 ppb	Sulfate (SO4)	≤ 1.0 ppm
Sodium	≤ 5.0 ppb	Silica	≤ 3.0 ppb
Chloride	≤ 5.0 ppb	Heavy Metals (as Pb)	≤ 10.0 ppb
Suitable for BOD, COD, & TOC Tests			

Item #	Size	Pkg Type	Qty	List
9765-4*AQ	4L	n/a	1/ea	$21.48
9765-20*AQ	20L	n/a	1/ea	$68.91
9765-200*AQ	200L	n/a	1/ea	$537.16

Water, Distilled ASTM Type II

ACS Reagent Grade
CAS# 7732-18-5
Not-Regulated

Test	Specification	Test	Specification
Appearance	Clear colorless liquid	Phosphate (PO4)	1 ppm max
Silicate (as SiO2)	≤ 3 ppb	Sulfate (SO4)	1.0 ppm max
Heavy Metals (as Pb)	0.01 ppm max	Sodium (Na)	≤ 5 ppb
Chloride (Cl)	≤ 5 ppb	TOC	≤ 50 ppb
Nitrate (NO3)	0.4 ppm max		

Item #	Size	Pkg Type	Qty	List
9766-4*AQ	4L	n/a	1/ea	$62.46
9766-20*AQ	20L	n/a	1/ea	$119.81

Water Hardness Buffer

(Contains Ammonia & Magnesium)
APHA for Water Hardness
Corrosive Liquid, n.o.s. (Ammonium Hydroxide), 8, UN1760, PG III

Test	Specification
Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9770-500*AQ	500mL	n/a	1/ea	$30.10
9770-1*AQ	1L	n/a	1/ea	$48.17
9770-4*AQ	4L	n/a	1/ea	$126.37

Water Hardness Buffer, with Magnesium EDTA

Ammonia Solution, 8, UN2672, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Hydroxide	1336-21-6	ACS
Ammonium Chloride	12125-02-9	ACS
Magnesium Chloride Hexahydrate	7791-18-6	ACS
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS

Test	Specification
Appearance	Colorless liquid
Suitability for Use	Passes test

Specification	Reference
Buffer Soln., Ammonium Chloride-Ammonium Hydroxide	ASTM (D 511 A)
Buffer Soln.	APHA (2340 C), EPA (215.2), EPA (130.2)

Item #	Size	Pkg Type	Qty	List
9200-16*RC	500mL	Natural poly	1/ea	$65.80
9200-32*RC	1L	Natural poly	1/ea	$114.54
9200-1*RC	4L	Natural poly	1/ea	$265.42

Water Hardness Buffer, without Magnesium EDTA

Ammonia Solution, 8, UN2672, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Ammonium Hydroxide	1336-21-6	ACS
Ammonium Chloride	12125-02-9	ACS

Test	Specification
Appearance	Colorless liquid

Item #	Size	Pkg Type	Qty	List
9201-16*RC	500mL	Natural poly	1/ea	$44.65

Water Hardness Buffer, Odorless

Corrosive Liquid, n.o.s. (Monoethanolamine, Hydrochloric Acid), 8, UN1760, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Hydrochloric Acid	7647-01-0	ACS
Magnesium Chloride Hexahydrate	7791-18-6	ACS
Ethylenediaminetetraacetic Acid (EDTA), Disodium Salt, Dihydrate	6381-92-6	ACS
Monoethanolamine	141-43-5	ACS

Test	Specification
Appearance	Colorless to slightly yellow liquid
Suitability for Use	Passes test

Specification	Reference
Buffer Soln., Ammonium Chloride-Ammonium Hydroxide	ASTM (D 511 A)
Buffer Soln.	APHA (2340 C), EPA (215.2), EPA (130.2)

Item #	Size	Pkg Type	Qty	List
9205-16*RC	500mL	Natural poly	1/ea	$78.86

Water Hardness Buffer Odorless

(Contains Aminoethanol & Magnesium)
APHA for Water Hardness
Corrosive Liquid, n.o.s. (Hydrochloric Acid), 8, UN1760, PG II

Test	Specification
Appearance & Color	Clear pale yellow liquid

Item #	Size	Pkg Type	Qty	List
9771-500*AQ	500mL	n/a	1/ea	$82.31
9771-1*AQ	1L	n/a	1/ea	$153.67

Water Hardness Indicator

Indicator Solution
Flammable Liquid, n.o.s. (Ethylene Glycol Monomethyl Ether), 3, UN1993, PG III

Test	Specification
Appearance & Color	Dark red liquid

Item #	Size	Pkg Type	Qty	List
9780-500*AQ	500mL	n/a	1/ea	$91.68

Water Hardness Indicator 0.5% (w/v) Eriochrome Black T in 2-Methoxyethanol

Ethylene Glycol Monomethyl Ether Solution, 3, UN1188, PG III

Name	CAS#	Grade
Ethylene Glycol Monomethyl Ether	109-86-4	ACS
Eriochrome Black T	1787-61-7	ACS

Test	Specification
Appearance	Dark purple liquid
Suitability for Use	Wine red (excess Ca or Mg) - Pure blue (excess EDTA)

Specification	Reference
Eriochrome Black T Indicator	APHA (2340 C)
	EPA (215.2)
	EPA (130.2)

Item #	Size	Pkg Type	Qty	List
9300-16*RC	500mL	Amb glass	1/ea	$79.23
9300-4*RC	1200mL	Amb glass	1/ea	$44.32

Water Hardness Indicator 1% Eriochrome Black T in 20% Triethanolamine/80% IPA

Flammable Liquid, Corrosive, n.o.s. (Isopropanol, Triethanolamine), 3 (8), UN2924, PG II

Name	CAS#	Grade
Isopropyl Alcohol	67-63-0	ACS
Triethanolamine	102-71-6	Reagent
Eriochrome Black T	1787-61-7	ACS

Test	Specification
Appearance	Dark red liquid
Suitability for Use	Wine red (excess Ca or Mg) - Pure blue (excess EDTA)

Specification	Reference
Hardness Indicator Soln.	ASTM (D 1126)

Item #	Size	Pkg Type	Qty	List
9301-4*RC	120mL	Amb glass	1/ea	$52.73
9301-16*RC	500mL	Amb glass	1/ea	$104.43

Xylenes

FOXPURE® ACS Reagent Grade
CAS# 1330-20-7
Xylenes, 3, UN1307, PG III

Test	Specification	Test	Specification
Appearance	Clear	Sulfur Compound	max 0.003% wt.
Assay by GC	min 98.50	Water (n)	max 0.050
Color (APHA)	max 10	Boiling Range	140.5 ± 3
Residue after Evap.	max 0.002%	Density @ 25°C	max 0.875
Subs. Dark. By Sulfuric Acid	Pass	Refractive Index @ 25°C (n)	max 1.50300

Item #	Size	Pkg Type	Qty	List
X375-4*FX	4L	Glass bottle	1/ea	$210.00
X375-4*FX	4L	Glass bottle	4/cs	$210.00
X375-9*FX	5gal	n/a	1/ea	$428.30
X375-55*FX	55gal	Drum	1/ea	CALL

Xylenes (Xylol)

ACS Reagent Grade
CAS# 1330-20-7
Xylenes, 3, UN1307, PG III

Test	Specification	Test	Specification
Appearance	Colorless liquid	Sulfur Compounds (as S)	0.003%
Assay	98.5% min	Evap. Residue	0.002%
Subs. Darkened by Sulfuric Acid	Passes test	Water (H2O)	0.05%
Color, APHA	10		

Item #	Size	Pkg Type	Qty	List
X7502-500*AQ	500mL	n/a	1/ea	$50.05
X7502-1*AQ	1L	n/a	1/ea	$66.72
X7502-4*AQ	4L	n/a	1/ea	$205.00

Xylenol Orange Indicator 0.1% (w/v)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Xylenol Orange Sodium Salt	3618-43-7	ACS

Test	Specification
Appearance	Reddish rrange to Dark purple
Suitability for Use	Purple (excess Metal) - Yellow (excess EDTA)

Item #	Size	Pkg Type	Qty	List
9386-16*RC	500mL	Natural poly	1/ea	$144.30

Xylenol Orange 0.1% w/v Aqueous Solution

Indicator Solution
Not-Regulated

Test	Specification
Appearance & Color	Dark purple liquid

Item #	Size	Pkg Type	Qty	List
9850-100*AQ	100mL	n/a	1/ea	$42.12
9850-500*AQ	500mL	n/a	1/ea	$84.21

Xylenol Orange 0.5% w/v Aqueous Solution

Indicator Solution
Not-Regulated

Test	Specification
Appearance & Color	Dark purple liquid

Item #	Size	Pkg Type	Qty	List
9854-100*AQ	100mL	n/a	1/ea	$57.17

Xylenol Orange Water Soluble

ACS Reagent Grade
CAS# 3618-43-7
Not-Regulated

Test	Specification	Test	Specification
Appearance	Purplish to reddish-brown crystalline	Suitability for Zinc Titration	Passes test
Clarity of Soln.	Passes test	Loss on Drying @ 100°C / 1 hour	< 10.0%

Item #	Size	Pkg Type	Qty	List
X7925-5*AQ	5g	n/a	1/ea	$102.34
X7925-25*AQ	25g	n/a	1/ea	$349.08

Zero Oxygen Standard for Calibration of DO Meters

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Sodium Sulfite	7757-83-7	ACS
Cobalt (II) Chloride Hexahydrate	7791-13-1	ACS

Test	Specification
Appearance	Colorless to slightly yellow to straw yellow liquid
DO (APHA 4500-O C; ASTM D 888)	max 0 mg/L

Item #	Size	Pkg Type	Qty	List
9420-16*RC	500mL	Clear PET-g	1/ea	$113.87

Zinc AA Standard 1000 ppm Zn in 3% HNO_3

Corrosive Liquid, Acidic, Inorganic, n.o.s. (Nitric Acid), 8, UN3264, PG III

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Nitric Acid	7697-37-2	Trace Metals
Zinc	7440-66-6	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. EDTA/Xylenol Orange)	995 - 1005 ppm Zn	915

Specification	Reference
Zinc AA, 1000 ppm in HNO3	EPA (289.1)

Item #	Size	Pkg Type	Qty	List
AZN1KN-100*RC	100mL	Natural LDPE	1/ea	$52.85
AZN1KN-500*RC	500mL	Natural poly	1/ea	$133.51

Zinc Acetate 2 N (220 g + 870 mL Water)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Zinc Acetate Dihydrate	5970-45-6	ACS

Test	Specification
Appearance	Colorless liquid
Refractive Index	To pass test

Specification	Reference
Zinc Acetate Soln.	APHA (4500-S2- C)
Zinc Acetate Preservative Soln.	APHA (4500-S2- E)
Zinc Acetate Soln. for Sample Preservation (2 N)	EPA (SW-846) (9030B)
Zinc Acetate (for Sample Preservation) (2 N)	EPA (SW-846) (9031)

Item #	Size	Pkg Type	Qty	List
9450-4*RC	120mL	Natural poly	1/ea	$37.33

Zinc Acetate Dihydrate

ACS Reagent Grade, Crystal
CAS# 5970-45-6
Not-Regulated

Test	Specification	Test	Specification
Appearance	White crystalline	Iron (Fe)	5 ppm max
Assay	98.0 - 101.0%	Sodium (Na)	0.05% max
Insoluble Matter	0.005% max	Sulfate (SO_4)	0.005% max
Chloride (Cl)	5 ppm max	Potassium (K)	0.01% max
Calcium (Ca)	0.005% max	Magnesium (Mg)	0.005% max
Lead (Pb)	0.002% max		

Item #	Size	Pkg Type	Qty	List
Z3550-500*AQ	500g	n/a	1/ea	$72.19

Zinc Chloride

Laboratory Grade, Granular
CAS# 7646-85-7
Zinc Chloride, Anhydrous, 8, UN2331, PG III

Test	Specification	Test	Specification
Appearance	White crystalline	Iron (Fe)	0.002% max
Assay	98.0% min	Sulfate (SO_4)	0.05% max
Lead (Pb)	0.003% max	Ammonium Chloride (NH_4Cl)	1.5% max

Item #	Size	Pkg Type	Qty	List
Z3702-2.5*AQ	2.5kg	n/a	1/ea	$182.16
Z3702-12*AQ	12kg	n/a	1/ea	$393.31

Zinc Metal

Laboratory Grade, Powder (Dust)
CAS# 7440-66-6
Zinc Dust, 4.3, UN1436, PG III

Item #	Size	Pkg Type	Qty	List
Z3204-500*AQ	500g	n/a	1/ea	$73.21

Zinc Metal

Reagent Grade, Powder (Dust)
CAS# 7440-66-6
Zinc Dust, 4.3, UN1436, PG III

Item #	Size	Pkg Type	Qty	List
Z3203-500*AQ	500g	n/a	1/ea	$76.54

Zinc Sulfate 0.05 M Solution

Not-Regulated

Test	Specification	Test	Specification
Molarity	0.0500 +/- 0.0005 M @ 20°C	Appearance & Color	Clear water white liquid

Item #	Size	Pkg Type	Qty	List
9962-1*AQ	1L	n/a	1/ea	$75.25

Zinc Sulfate 0.0500 M (M/20)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Zinc Sulfate Heptahydrate	7446-20-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. EDTA/Xylenol Orange)	0.04999 - 0.05001 M	915

Specification	Reference
Zinc Sulfate, Twentieth-M (0.05 M) Vs	USP (N/A)

Item #	Size	Pkg Type	Qty	List
9660-1*RC	4L	Natural poly	1/ea	$331.79
9660-5*RC	20L	Cubitainer®	1/ea	$749.44

Zinc Sulfate 0.100 M (M/10)

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Zinc Sulfate Heptahydrate	7446-20-0	ACS

Test	Specification	N.I.S.T. SRM#
Appearance	Colorless liquid	
Assay (vs. EDTA/Xylenol Orange)	0.0999 - 0.1001 M	915

Specification	Reference
0.1 M Zinc Sulphate Vs	EP (3008600)

Item #	Size	Pkg Type	Qty	List
9662-32*RC	1L	Natural poly	1/ea	$132.01

Zinc Sulfate Heptahydrate

ACS Reagent Grade, Crystal
CAS# 7446-20-0
Not-Regulated

Test	Specification	Test	Specification
Appearance	Colorless powder	Magnesium (Mg)	0.005% max
Assay	99.0 - 103.0%	Insoluble Matter	0.01% max
Nitrate (NO_3)	0.002% max	Lead (Pb)	0.01% max
Calcium (Ca)	0.005% max	Manganese (Mn)	3 ppm max
Chloride (Cl)	5 ppm max	Potassium (K)	0.01% max
Ammonium (NH_4)	0.001% max	Sodium (Na)	0.05% max
Iron (Fe)	0.001% max		

Item #	Size	Pkg Type	Qty	List
Z3864-125*AQ	125g	n/a	1/ea	$41.55

ZoBell's Solution Oxidation-Reduction Potential (ORP) Standard

Not-Regulated

Name	CAS#	Grade
Water	7732-18-5	ACS/ASTM/USP/EP
Potassium Chloride	7447-40-7	ACS
Potassium Ferrocyanide Trihydrate	14459-95-1	ACS
Potassium Ferricyanide	13746-66-2	ACS

Test	Specification
Appearance	Yellow-green liquid
Oxidation-Reduction Potential (ORP)	218 - 238 mV @ 25°C

Specification	Reference
ZoBell's Soln.	APHA (2580 B)

Item #	Size	Pkg Type	Qty	List
9880-16*RC	500mL	Amb poly	1/ea	$121.91
9880-32*RC	1L	Amb poly	1/ea	$192.49
9880-1*RC	4L	Black poly	1/ea	$692.60

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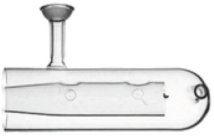

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