

# Production Chemical

## Mini Brochure

2019 - 2021



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# Acetic Acid Glacial

## Acetic Acid Glacial

USP

CAS #: 64-19-7

Acetic Acid, Glacial, 8 (3), UN2789, PGII Corrosive (Flammable liquid)



Acetic Acid Glacial

TEST	TEST ID	REQUIREMENTS
Appearance (c)	L-460	Clear
USP 191 Identification	L-1060	Pass
Assay Acetic Acid	L-184	99.5 =< Value =< 100.5 wt. %
USP Method 651 Congealing Tem.	L-1070	15.6 deg C min.
USP Lim.of Nonvolatile Residue	L-1220	0 =< Value =< .005 wt. %
Chloride	L-1003	Pass
Sulfate	L-1014	Pass
USP 231 Heavy Metal (n)	L-1040	0 =< Value =< 5 ppm
Readily Oxidizable Substances	L-1080	Pass
USP Method 467 Residual Solvents	L-1051	Pass
Color (n)	L-020	0 =< Value =< 10 APHA
USP 841 Sp. Gravity 25C (n)	L-195	1.05 =< Value =< 1.052
USP 831 Refractive Index 25C n	L-190	1.371 =< Value =< 1.3712 (n)

Part No.	Size	Pkg	Qty
PR200-003	20L	Metal Pail	1/ea
PR200-004	55gal	Lined Metal Drum	1/ea

### Safety Station Shower with Eye/Face Wash

- Eye/face wash features a stainless steel bowl with two large FS-Plus™ spray-type outlet heads that deliver a flood of water for rinsing eyes and face.
- *Shower Head:* 10" diameter orange ABS plastic with 20 GPM flow control.
- *Spray Head Assembly:* Two FS-Plus™ spray heads. Each head has a "flip top" dust cover, internal flow control and filter to remove impurities from water flow.
- *Eye/Face Wash Bowl:* 11-1/8" diameter stainless steel.



Part No.	Description	Qty
S842-508	Eyewash Station	1/ea

# Acetone

## Acetone

### Acetone

ACS USP/NF  
CAS #: 67-64-1  
Acetone 3, UN1090, PGII

CALL FOR OTHER GRADES



PRODUCT SPECIFICATIONS	LIMITS	TYPICAL LOT ANALYSIS
Assay, min (corrected for water) ACS	99.5%	99.9%
Assay, min (anhydrous basis) NF	99.0%	99.7%
Appearance ACS	Clear Liquid with Characteristic Odor	Pass
Water, max ACS	0.5%	0.30%
NF	0.5%	0.30%
Identification Test B (GC) NF	Conforms to Reference Chromatogram	Pass
Specific Gravity @ 25°C, max. NF	0.7890	0.787
Titration Base, max ACS	0.0006 meq/g	0.0001meq/g
IPA, max ACS	0.05%	0.001%
Identification (IR) NF	Conforms to Infrared Spectra	Pass
Color (APHA), max ACS	10	<10
Residue After Evaporation, max ACS	10 ppm	<10 ppm
Non-Volatile Residue, max NF	0.004%	<0.001%
Readily Oxidizable Substances NF	Color doesn't completely disappear in 15 min.	Pass
Substances Reducing KMnO <sub>4</sub> ACS		Pass
Solubility In Water ACS	Solution remains clear for 30 min.	Pass
Titration Acid, max ACS	0.0003 meq/g	0.0002meq/g
Aldehyde (as HCHO), max ACS	0.002%	<0.002%
Methanol, max ACS	0.05%	0.03%

Part No.	Size	Pkg	Qty
PR300-035	.....5gal.....	Poly w/Rieke Spout.....	1/ea
PR300-036	.....5gal.....	Metal w/Rieke Spout.....	1/ea
PR300-037	.....5gal.....	Shelf Sitter w/Spigot.....	1/ea
PR300-038	.....55gal.....	New Poly Drum.....	1/ea
PR300-039	.....55gal.....	New Metal Drum.....	1/ea



# Acetonitrile

## Acetonitrile

Technical

CAS #: 75-05-8

Acetonitrile 3, UN1648, PGII



Acetonitrile

TEST	TEST ID	REQUIREMENTS
Appearance (c)	L-460	Clear
ACS Assay Gas Chromatography n	L-215	99.9 =< Value =< 100 % wt.
Color (n)	L-020	0 =< Value =< 10 APHA
Water in volatile solvents (n)	L-036	0 =< Value =< .05 %
Specific Gravity 20C (n)	L-005	.782 =< Value =< .785
Acidity (as Acetic Acid) (n)	L-055	0 =< Value =< .005 % wt.
HCN	L-562	0 =< Value =< 10 ppm
Copper	L-563	0 =< Value =< .1 ppm
Iron	L-564	0 =< Value =< .1 ppm
Acrylonitrile	L-565	0 =< Value =< 3 ppm
Propionitrile	L-566	0 =< Value =< 300 ppm
Allyl Alcohol	L-567	0 =< Value =< 30 ppm
Acetone	L-568	0 =< Value =< 5 ppm
Free Ammonia	L-569	0 =< Value =< 10 ppm

Part No. \_\_\_\_\_ Size \_\_\_\_\_ Pkg \_\_\_\_\_ Qty \_\_\_\_\_  
PR200-045 .....55gal..... New Metal Drum ..... 1/ea

## FOX OFFERS A FULL LINE OF NEW PIG® ABSORBANTS



# Ammonium Hydroxide

## Ammonium Hydroxide

### Ammonium Hydroxide

ACS, FCC, Reagent, USP/NF

CAS #: 1336-21-6

Ammonia solutions, 8, UN2672, PGIII



TEST	MONO GRAPH	SPECIFICATIONS	TYPICAL RESULTS
Assay (NH <sub>3</sub> , w/w)	ACS, USP/NF FCC	28.0 - 30.0% 27.0-31.0% 27.0-30.0%	30.0%
Appearance	ACS	Clear, Colorless	Pass
Residue after Ignition	ACS	0.002% max.	<0.002%
Carbon Dioxide (CO <sub>2</sub> )	ACS	0.002% max.	< 0.002%
Chloride (Cl)	ACS	0.5 ppm max.	< 0.5 ppm
Phosphate (PO <sub>4</sub> )	ACS	2 ppm max	< 2 ppm
Nitrate (NO <sub>3</sub> )	ACS	2 ppm max	< 2 ppm
Sulfate (SO <sub>4</sub> )	ACS	2 ppm max	< 2 ppm
Heavy Metals (as Pb)	ACS FCC	0.5 ppm max. 0.5 ppm max.	< 0.5 ppm
Iron (Fe)	ACS	0.2 ppm max	< 0.2 ppm
Substances Reducing Permanganate	ACS	To Pass Test	Pass
Identification	USP/NF FCC	Conforms	Pass
Non-Volatile Residue	USP/NF FCC	0.05% max 0.02% max	< 0.02%
Readily Oxidizable Substances	USP/NF FCC	To Pass Tests	Pass

Part No.	Size	Pkg	Qty
PR300-040	55gal	Poly Drum	1/ea



#### Polyethylene Siphon Pump 5gpm

Features bellow action for quick and easy emptying of 15-30 and 55 gallon barrels. 4 ft discharge hose included.

Part No.	Description	Qty
4005	Siphon Pump	1/ea



# Dichloromethane

## Dichloromethane



Dichloromethane

USP/NF

CAS #: 75-09-2

Dichloromethane, 6.1 UN1593 PGIII (Toxic)

All test methods conform to USP31/NF26 requirements.

TEST	TEST ID	REQUIREMENTS
Appearance (c)	L-460	Clear
USP 851 Identity IR Spectra	L-200	Conforms
USP 921 Water (n)	L-1021	0 =< Value =< .02 % wt.
ACS Free Chlorine (c)	L-365	Pass
USP 621 Assay GC TCD & FID	L-185	99 =< Value =< 100 wt. %
USP 841 Sp. Gravity 25C (n)	L-195	1.318 =< Value =< 1.322
USP Limit of hydrogen chloride	L-1004	Pass
USP Lim. of Nonvolatile Residue	L-1220	0 =< Value =< .002 wt. %
USP 231 Heavy Metal (n)	L-1040	0 =< Value =< 1 ppm
Color of Halogenated Solvents	L-021	0 =< Value =< 10 APHA (Pt-Co)
ACS Titrable Acid (c)	L-235	0.0003meg/g max
ACS Free Halogens (c)	L-260	Pass
ACS Residue After Evap. (c)	L-220	0.002% max
USP 831 Refractive Index 25C n	L-190	1.415 =< Value =< 1.425 (n)

Part No.	Size	Pkg	Qty
PR200-009	20L	Metal Pail	1/ea
PR200-010	55gal	Metal Drum	1/ea



### Food Grade Siphon Pump

Made with Virgin Polyethylene for use with food products. Delivers 7 gallons per minute fits in standard 55 gallon drums or tube may be cut to fit into smaller containers like a 15 or 30 gallon drum. Comes standard with 2" fine thread bung adapter and 4 foot discharge hose. Assembled in clean room and bagged for cleanliness.

Part No.	Description	Qty
4004-FDA	Siphon Pump	1/ea



# Ethyl Acetate

## Ethyl Acetate

### Ethyl Acetate 99%



FCC

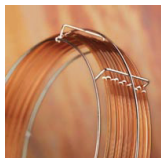
CAS #: 141-78-6

Ethyl Acetate, 3, UN1173, PGII (Flammable Liquid)

TEST	TEST ID	REQUIRMENTS
Appearance (c)	L-460	Clear
USP 191 Identification	L-1060	Conforms
USP 621 Assay GC TCD&FID	L-185	99 =< Value =< 100 wt.%
USP 841 Sp. Gravity 25C (n)	L-195	.894 =< Value =< .898
FCC Acid Value (n)	L-055-5-1	0 =< Value =< 5
USP 831 Refractive Index 20C n	L-191	1.37 =< Value =< 1.375 (n)
Distillation Range (c)	L-455	Distillation range- 76C to 77.5C
Limit Of Methyl Compounds (c)	L-1095	Pass
USP 271 Carbonizable Substance	L-1090	Pass
USP Lim. of Nonvolatile Residue	L-1220	0 =< Value =< .02 wt.%
Color (n)	L-020	0 =< Value =< 10 APHA
Water in volatile solvents (n)	L-036	0 =< Value =< .2 %

Part No.	Size	Pkg	Qty
PR200-011	.....20L.....	Metal Pail	..... 1/ea
PR200-012	.....55gal.....	Lined Metal Drum	..... 1/ea

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# Ethyl Alcohol

## Ethyl Alcohol 160 Proof Grain Derived Ethanol



Ethyl Alcohol

USP/NF/ACS

CAS #: 64-17-5

UN1170, Ethanol Solution, 3, PGIII (Flammable Liquid)

Manufactured with Alcohol that meets USP/NF/ACS Monographs

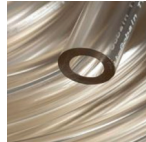
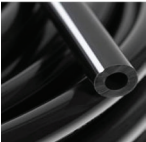
TEST	SPECIFICATION	TYPICAL RESULT
Specific Gravity	Lot Analysis @ 20°C	0.8606
Appearance	Clear liquid, free from sediment	Pass
Color (Pt-Co)	10 max.	<10

Part No.	Size	Pkg	Qty
PR300-008	20L	Shelf Sitter	1/ea
PR300-009	55gal	New Metal Drum	1/ea

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# Glycerin

Glycerin

## Glycerin - Kosher

USP/NF/FCC

CAS #: 56-81-5

Not Regulated

SPECIFICATIONS	MONO- GRAPH	LIMITS	TYPICAL ANALYSIS
Assay on anhydrous basis	USP/FCC	99.0-101.0%	99.9%
Identification Test A	USP/FCC	Conforms to Infrared Spectra	Pass
Identification test B	USP	Ethylene Glycol, NMT 0.1%	<0.1%
	FCC	Diethylene Glycol, NMT 0.1%	<0.1%
Identification Test C	FCC	Conforms to sample solution	Pass
	USP	Matches GC scan	Pass
Specific Gravity	USP	NLT 1.249 @ 25°C	1.262
	FCC	NLT 1.259 @ 25°C	
Inorganic Impurities - Chloride and Sulfate (as Chloride)	USP	NMT 10ppm	<10 ppm
Inorganic Impurities - Chloride and Sulfate (as Sulfate)	USP	NMT 20ppm	<10 ppm
Inorganic Impurities - Lead	FCC	NMT 1 mg/kg	<1 mg/kg
	USP	Individual Impurities NMT 0.1%	
Organic Impurities - Related Compounds	USP	Total Impurities NMT 1.0%	Pass
	FCC		
Organic Impurities – Limit of Chlorinated Compounds (as Cl)	USP	NMT 30ppm of Cl	<30 ppm
	FCC	NMT 0.003%	
Organic Impurities - Fatty Acids and Esters	USP	NMT 1mL of 0.5N NaOH is consumed	Pass
	FCC	NMT 4mL of 0.5N NaOH is consumed	
Color	USP/FCC	To Pass Test	Pass
Readily Carbonizable Substances	FCC	To Pass Test	Pass
Water	USP	NMT 5.0%	0.09%
	FCC	NMT 1.0%	
Residue on Ignition	USP	NMT 0.01%	<0.005%
	FCC	NMT 0.01%	

Part No.	Size	Pkg	Qty
PR300-014	20L	Poly w/Riecke Spout	1/ea
PR300-015	55gal	New Metal Drum	1/ea



# Hexanes

Hexanes

## Hexanes

CALL FOR OTHER GRADES

FCC

CAS #: 110-54-3

UN1208, HEXANES, 3, PGII



### TEST

Benzene

Color (APHA)

Distillation Range

Heavy Metals (as Pb)

Nonvolatile Residue

Specific Gravity @ 25C

Sulfur

### SPECIFICATIONS

0.05% max.

10 max.

64 -71C

1 mg/kg max.

10 mg/kg max.

0.655 -0.675

5 mg/kg max.

Part No.	Size	Pkg	Qty
PR300-041	55gal	Metal Drum	1/ea

Fox Offers a Large Variety of Pumps to Meet All of Your Laboratory Needs.



# Hydrochloric Acid

## Hydrochloric Acid

FCC

CAS #: 7647-01-0

UN1789, HYDROCHLORIC, 8, PGII

**CALL FOR OTHER GRADES**



Hydrochloric Acid

TEST	SPECIFICATIONS	TYPICAL RESULT
Assay (by weight)	36.5 - 38.0%	37.0%
Identification – Chloride	To Pass Test	Pass
Inorganic Impurities – Iron (Fe)	NMT 5 mg/kg	< 0.05 mg/kg
Inorganic Impurities – Lead (Pb)	NMT 1 mg/kg	< 0.0001 mg/kg
Inorganic Impurities – Mercury (Hg)	NMT 0.10 mg/kg	< 0.0001 mg/kg
Inorganic Impurities – Oxidizing Substances (as Cl <sub>2</sub> )	NMT 0.003%	< 0.0001%
Inorganic Impurities – Reducing Substances (as SO <sub>2</sub> )	NMT 0.007%	< 0.0001%
Inorganic Impurities – Sulfate	NMT 0.5%	< 0.0001%
Organic Impurities – Total Non-Fluorine Containing Organic Compounds	NMT 5 mg/kg including NMT 0.05 mg/kg Benzene	< 0.001 mg/kg
Organic Impurities – Total Fluorine Containing Organic Compounds	NMT 0.0025%	< 0.0001 mg/kg
Color	To Pass Test	Pass
Degree Baume	23°	23°
Non-Volatile Residue	NMT 0.5%	< 0.1%
Specific Gravity @ 15.6°C	1.1856 – 1.1924	1.1885

Part No.	Size	Pkg	Qty
PR300-012	55gal	Poly Drum	1/ea



### Stainless Steel Pail Pump

Dispense liquids from pails without messy spills or drips. Recommended for flammables, solvents and aggressive chemicals. Type 316 stainless steel and PTFE. Includes 2 5/8" pail adapter and 2" bung adapter. FDA compliant.

Part No.	Fits	Qty
H-4897	..... 3.5 - 7 gal. container	..... 1/ea

# Hydroxylammonium Sulfate

## Hydroxylammonium Sulfate

### Hydroxylammonium Sulfate



Tech  
CAS #: 10039-54-0  
MARINE POLLUTANT, 8, UN2865, PGIII

TEST	REQUIREMENTS
Assay	96.0% min
Insoluble matter	0.02% max
Residue after ignition	0.05% max
Heavy metals	0.001% max
Iron	0.005% max

Part No.	Size	Pkg	Qty
PR600-005	6.5 gal	Poly Pail w/Screw Cap/Lid	1/ea

### Vactrap™

Foxx Life Sciences' Vactrap™ is the world's most advanced vacuum trap system, adhering to the strictest CDC recommendations for laboratory safety. Ideal for protecting vacuum lines and users, Vactrap™ safely contains waste produced during supernatant removal, chemical separation, and cell or tissue culture media aspiration. Best of all, Vactrap™ comes ready to use, and fully assembled. Simply attach to your vacuum source and begin your experiment.



# Isopropyl Alcohol

## Isopropyl Alcohol 70%

USP

CAS #: 67-63-0

Flammable Liquid N.O.S., 3, UN1993, PGII



TEST	TEST ID	REQUIREMENTS
Appearance (c)	L-460	Clear
USP 851 Identity IR Spectra	L-200	Conforms
USP 841 Sp. Gravity 20C (n)	L-196	.872 =< Value =< .883
USP 831 Refractive Index 25C (n)	L-190	1.37 =< Value =< 1.374 (n)
USP 621 Assay GC TCD & FID	L-185	68 =< Value =< 72 wt. %
USP 921 Water (n)	L-1021	28 =< Value =< 32 % wt.
USP Acidity	L-198	Pass
USP Lim. of Nonvolatile Residue	L-1220	0 =< Value =< .01 wt. %
Color (n)	L-020	0 =< Value =< 5 APHA

Isopropyl Alcohol

Part No.	Size	Pkg	Qty
PR200-025	20L	Metal Pail	1/ea
PR200-026	55gal	Lined Metal Drum	1/ea

## EZBio® Gamma Sterilized Carboys



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 2.5L, 5L, 10L, 20L, 40L, 75L  
 in choice of  
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# Lead Acetate

## Lead Acetate

### Lead Acetate

ACS

CAS #: 6080-56-4

Lead Acetate, 6.1, UN1616, PGIII



#### TEST

Assay ((CH<sub>3</sub>COO)<sub>2</sub>Pb•3H<sub>2</sub>O)

Insoluble Matter

Nitrate and Nitrite (as NO<sub>3</sub>)

Chloride (Cl)

Iron (Fe)

Copper (Cu)

Sodium (Na)

Potassium (K)

Calcium (Ca)

#### SPECIFICATIONS

99.0 - 103.0%

Max. 0.01%

Max. 0.005%

Max. 5 ppm

Max. 0.001%

Max. 0.002%

Max. 0.01%

Max. 0.005%

Max. 0.005%

Part No.	Size	Pkg	Qty
L425-50	50KG	Cardboard Drum	1/ea

### Safety Cans

safety cans made from polyethylene material and designed for laboratory safety. These safety cans prevent spillage and conveniently transfer liquids from one container to another to maximize solvent collection.





# Methanol

## Methanol



Methanol

FCC

CAS #: 67-56-1

Methyl Alcohol, 3, UN1230, PGI Flammable liquid

SPECIFICATIONS	LIMITS	TYPICAL LOT ANALYSIS
Description	Clear, Colorless, Flammable Liquid	Pass
Specific Gravity @ 20C	Not more than 0.7928	0.7925
Inorganic Impurities: Lead	Not more than 1 mg/kg	<1mg/Kg
Acidity (as Formic Acid)	Not more than 0.0015%	<0.001%
Distillation Range	Within a range of 1°, including 64.6° +/- 0.1°	Pass
Nonvolatile Residue	Not more than 10 mg/kg	< 10mg/Kg
Substances Reducing Permanganate	Pink color is not entirely discharged	Pass
Assay	Not less than 99.85% of CH <sub>3</sub> OH, by weight	99.99%
Specific Gravity @ 25C	Not more than 0.7893	0.7888
Organic Impurities: Acetone and Aldehydes	Not more than 0.003%	<0.003%
Alkalinity (as NH <sub>3</sub> )	Not more than 3 mg/kg	<1mg/Kg
Readily Carbonizable Substances	Sample solution has no more color than the Control solution	Pass
Solubility in Water	Resulting solution is as clear as an equal volume of water	Pass
Water	Not more than 0.1%	0.04%

Part No.	Size	Pkg	Qty
PR300-026	20L	Poly w/Rieke Spout	1/ea
PR300-027	55gal	New Metal Drum	1/ea

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# MCT OIL

MCT OIL

## MCT OIL (Palm Derived, 60/40 Blend)

USP/NF/EP

CAS #: 73398-61-5

Not hazardous according to RID/ADR, IMDG, ICAO/IATA

CHARACTERISTICS	SPECIFICATIONS	
	Min	Max
Fatty Acid Distribution (wt%)	-	-
C6	-	0.5
C8	50.0	65.0
C10	30.0	50.0
C12	-	2.0
C14	-	0.5
Acid Value (mg KOH/g)	-	0.10
Saponification Value (mg KOH/g)	325	340
Iodine Value (g I <sub>2</sub> /100 g)	-	0.30
Moisture (wt%)	-	0.20
Color, APHA	-	50
Cloud point (°C)	-	-5.0
Hydroxyl Value (mg KOH/g)	-	5.0
Peroxide Value (mmole O <sub>2</sub> /kg)	-	1.00
Unsaponifiable matter (wt%)	-	0.50
Refractive Index at 20°C	1.4480	1.4500
Appearance conforms to		Standard
Odour according to		Standard
Taste according to		Standard
* Alkalinity (mL HCl 0.01M)	-	0.15
* Ash (wt%)	-	0.10
* Heavy Metals, as Pb (ppm)	-	10
* Density at 20°C (g/ml)	0.930	0.960
* Viscosity (dyn.) at 20°C (mPas)	27	33
* Rancimat Test at 100°C (h)	100	-
* This value will not be given in the Certificate of Analysis		

<b>Part No.</b>	<b>Size</b>	<b>Pkg</b>	<b>Qty</b>
PR300-043	.....55gal.....	Metal Drum	..... 1/ea



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PVC  
Polyethylene  
Polypropylene  
Nylon

Industrial  
Wipers



# Mineral Spirits

## Mineral Spirits

### Mineral Spirits Regular



CAS #: 8052-41-3

Petroleum Distillates n.o.s. (Naphtha Solvent), 3, UN1268 PGIII

TEST	TEST ID	REQUIREMENTS
Appearance (c)	L-460	Clear
Assay Gas Chromatography (n)	L-099	Conforms
Color~ Saybolt (n)	L-020-1	28 =< Value =< 30 Saybolt
Specific Gravity 15.6C (n)	L-010	.785 =< Value =< .795
Aromatic Content by G.C. (n)	L-065	13 =< Value =< 22 % wt.
Aniline Point (c)	L-052	143 F max
Copper Corrosion (c)	L-470	1.2 Max
Flash Point (n-F)	L-025	105 =< Value =< 115 deg F
IBP Distillation Range (c)	L-455-1	148.9 =< Value =< 210 deg C
DP Distillation Range (c)	L-455-2	0 =< Value =< 210 deg C
Refractive Index 20C (n)	L-001	1.434 =< Value =< 1.4489 (n)
Water in volatile solvents (n)	L-036	0 =< Value =< .02 %
Doctor Test (c)	L-047	Negative

Part No.	Size	Pkg	Qty
PR200-031	20L	Metal Pail	1/ea
PR200-032	55gal	Lined Metal Drum	1/ea



### FoxBrand® Syringe Filters



# Nitric Acid

## Nitric Acid

Technical

CAS #: 7697-37-2

NITRIC ACID, UN2031, 8, (5.1), PG II



Nitric Acid

ITEM	SPECIFICATIONS
Assay (HNO <sub>3</sub> )	67 - 70%
Color	Clear to yellow liquid
Density	Report Actual

Part No.	Size	Pkg	Qty
PR700-006	6056 lb	Drum	1/ea
PR700-007	3000 lb	Tote	1/ea



## Environmental Air Sampling Fox Brand Tedlar® Gas Bags

with Polypropylene or Stainless Steel 2-in-1 Fitting



Tedlar gas sampling bags are made of DuPont's 2mil Tedlar® PVF film. Tedlar® PVF film is tough, durable and considered chemically inert to a wide range of compounds. Bags of Tedlar® film can be used for indoor air sampling, hazardous waste sites, leaking underground storage tanks, stack sampling, soil gas sampling, gas blending, calibration test standards and most other gas sampling needs. All of our stock bags feature an eyelet and our patent-pending single 2-in-1 fittings that combine the valve and septum into one.

Part No.	Description	Qty
B128-000	0.5L PP Fitting 1 Grommet	10/cs
B128-001	1L PP Fitting 1 Grommet	10/cs
B128-003	3L PP	10/cs
B128-004	5L PP Fitting 1 Grommet	10/cs
B128-005	10L PP Fitting	10/cs
B128-014	1L SS Fitting 1 Grommet	10/cs
B128-017	5L SS Fitting 1 Grommet	10/cs

Tedlar® is a registered trademark of E.I. du Pont de Nemours and Company.

# Various Sample Containers Available!



Polystyrene  
Polypropylene  
PTFE



Acrylic/Plexiglass  
Polyethylpentane (TPX)

PVC

ABS

CPVC

PPS

PVDF

HDPE



French Square  
Boston Round  
Straight Side  
Wide Mouth  
Narrow Mouth



Dispensing/Dropping  
Media/Reagent

# *Don't let Spills and Leaks Ruin Your Day!*



2-DRUM



4-DRUM



*Ask us about Spill  
Containment  
Options!*

# Phosphoric Acid 85%

## Phosphoric Acid 85%

### Phosphoric Acid 85%



FCC

CAS #: 7664-38-2

PHOSPHORIC ACID SOLUTION, 8, UN1805, PGIII

TEST	SPECIFICATION	TYPICAL RESULT
Appearance	Clear, Colorless	Pass
Assay ( $H_3PO_4$ ) wt. %	85.0% -86.0%	85.2%
Identification - Phosphate	Passes test	Pass
Inorganic Impurities: Arsenic	NMT 3 mg/kg	<3 mg/kg
Inorganic Impurities: Cadmium	NMT 3 mg/kg	<3 mg/kg
Inorganic Impurities: Fluoride	NMT 10 mg/kg	<10 mg/kg
Inorganic Impurities: Lead	NMT 3 mg/kg	< 3 mg/kg

Part No.	Size	Pkg	Qty
PR300-044	55gal	Poly Drum	1/ea



Fox Brand® Acid Spill Kit  
Neutralizer, Indicating 22.7KG  
S850-22



# Potassium Hydroxide Pellets

## Potassium Hydroxide Pellets

ACS/USP/NF/FCC

CAS #: 1310-58-3

POTASSIUM HYDROXIDE, SOLID, 8, UN1813, PGII



Potassium Hydroxide Pellets

SPECIFICATION	MONO GRAPH	LIMITS	TYPICAL RESULTS
Assay	ACS	85.0% min.	
Assay –Total Alkali	NF	NLT 85.0% of total alkali	
Assay –Content of Potassium	NF	NLT 59.9%	87.8%
Assay –Total Alkali	FCC	NLT 85.0% and NMT 100.5% of total alkali, calculated as KOH	
Identification A – Potassium	NF	A solution (1 in 25) meets the requirements	Pass
Identification – Potassium	FCC		
Potassium Carbonate (K <sub>2</sub> CO <sub>3</sub> )	ACS	2.0% max.	
Potassium Carbonate (K <sub>2</sub> CO <sub>3</sub> )	NF	3.5% max.	0.5%
Inorganic Impurities-Carbonate	FCC	NMT 3.5%	
Chloride (Cl)	ACS	0.01% max.	<0.01%
Nitrogen Compounds (as N)	ACS	0.001% max.	<0.0003%
Phosphate (PO <sub>4</sub> )	ACS	5ppm max.	<1ppm
Sulfate (SO <sub>4</sub> )	ACS	0.003% max	<0.0005%
Heavy Metals	ACS	0.001% max.	<0.001%
Iron (Fe)	ACS	0.001% max.	<0.0005%
Nickel (Ni)	ACS	0.001% max.	<0.0005%
Calcium (Ca)	ACS	0.005% max.	<0.0004%
Magnesium (Mg)	ACS	0.002% max.	<0.0005%
Sodium (Na)	ACS	0.05% max.	<0.02%
Inorganic Impurities -Lead (Pb)	FCC	NMT 2 mg/kg	<2.0ppm
Inorganic Impurities -Mercury (Hg)	FCC	NMT 0.1 mg/kg	<0.1ppm
Insoluble Substances	NF FCC	The Sample solution is complete, clear, and colorless.	Pass

Part No. \_\_\_\_\_ Size \_\_\_\_\_ Pkg \_\_\_\_\_ Qty \_\_\_\_\_  
 PR300-045 ..... 50KG .....Fiber Drum..... 1/ea

# Sulfuric Acid

## Sulfuric Acid

### Sulfuric Acid 66° Be'



Technical

CAS #: 7664-93-9

SULFURIC ACID, UN1830, 8, PGII

ITEM	SPECIFICATIONS
Appearance	Clear, colorless to slight yellow liquid
Iron (Fe)	Actual analysis
Assay (H <sub>2</sub> SO <sub>4</sub> )	65.0 - 67.0 deg Be'

Part No.	Size	Pkg	Qty
PR700-008	56 L	Poly Drum	1/ea
PR700-009	19 L	Carboy	1/ea
PR700-010	185 L	Poly Drum	1/ea

### Sulfuric Acid 93%



PC

CAS #: 7664-93-9

SULFURIC ACID, UN1830, 8, PG II

ITEM	SPECIFICATIONS
Color (APHA)	40 max.
Appearance	Clear solution
Assay (H <sub>2</sub> SO <sub>4</sub> )	93.0 - 96.5%
Iron (Fe)	20 ppm max.
Arsenic (As)	1 ppm max.
Copper (Cu)	5 ppm max.
Nickel (Ni)	1 ppm max.
Nitrates (NO <sub>3</sub> )	5 ppm max.
Chloride (Cl)	2 ppm max.
Residue	150 ppm max.

Part No.	Size	Pkg	Qty
PR700-011	19 L	Carboy	1/ea
PR700-012	185 L	Poly Drum	1/ea



# Chemical Compatibility

Chemical	Container Materials					Closure Liner Materials					Closure Materials					Septa, Stopper & Tubing Materials							
	Glass	HDPE	LDPE	PC	PET	PETG	PP	AL Foil	LDPE	Vinyl	PTFE	SBR	Silicone	FBT	Phenolic	PP	Urea	Butyl Rubber	FKM	Natural Rubber	PTFE	Silicone	TPE
Acetic acid, Glacial	A	A	B	C	A	C	A	A	B	A	C	B		C	A	A	D	B	D	B	A	B	B
Acetone	A	D	D	D	C	D	B	A	D	D	A	D	B	D	A	B	A	B	D	B	A	B	D
Acetonitrile	A	A	A	D	B	C	A	A	A	D	A	B	D	-	A	A	-	D	D	D	A	D	D
Dichloromethane (DCM)	A	C	D	D	D	C		D	D	D	A	D	D	D	C	C	B	D	B	D	A	D	D
Ethyl Acetate	A	B	B	D	B	C	C	B	B	D	A	D	C	C	A	C	B	C	D	D	A	C	D
Ethyl Alcohol	A	A	A	A	A	A	A	B	A	B	A	A	B	A	B	A	A	A	A	A	A	A	B
Glycerine	A	A	A	A	-	A	A	A	C	A	A	B		A	A	A	-	A	A	A	A	B	B
Hexane	A	B	D	C	C	B	B	A	D	D	A	D	D	A	B	B	-	D	A	D	A	D	B
Hydrochloric Acid (HCL) 50%	A	A	A	D	B	C	A	D	A	B	A	D	D	C	A	A	D	A	A	B	A	D	B
Isopropyl Alcohol	A	A	A	A	A	A	A	A	A	B	A	B	A	A	A	A	-	A	A	A	A	A	B
Methyl Alcohol	A	A	A	B	B	A	A	A	A	C	A	A	A	B	B	A	A	A	D	A	A	A	A
Nitric Acid 50%	A	C	B	B	C	B	C	D	B	B	A	D	D	C	B	C	D	C	B	C	A	D	B
Phosphoric Acid 50%	A	A	A	A	B	-	A	B	A	B	A	D	D	B	B	A	D	B	A	D	A	D	A
Potassium Hydroxide	D	A	A	D	D	A	A	D	A	A	A	B	C	C	D	A	-	A	B	B	A	C	A
Sulfuric Acid 50%	A	A	A	B	B	C	B	C	A	C	A	D	D	B	C	B	D	D	A	D	A	D	A

(Tests conducted at room temp)

- A - Resistant
- C - Poor Resistance
- Unknown

- Al Foil - aluminum foil
- HDPE - high density polyethylene
- PBT - polybutylene terephthalate
- PET - polyethylene terephthalate
- PP - polypropylene
- SBR - styrene butadiene rubber

Although the information in this chart was acquired from reputable sources, it should only be used as a guide in selecting a container and closure system. Because so many factors can affect the chemical resistance of a material, in-house testing under actual conditions should be performed. WHEATON accepts no responsibility for the accuracy of this data or for any consequences resulting from its use.

- B - Limited Resistance
- D - Not Resistant
- FMK - fluoromastomer
- LDPE - Low Density Polyethylene
- PC - polycarbonate
- PETG - polyethylene terephthalate g copolymer
- PTFE - polytetrafluoroethylene
- TPE - thermoplastic Elastomer, C-Flex



# Periodic Table of the Elements

1 <b>H</b> Hydrogen 1.008	2 <b>He</b> Helium 4.003	3 <b>Li</b> Lithium 6.941	4 <b>Be</b> Beryllium 9.012	5 <b>B</b> Boron 10.811	6 <b>C</b> Carbon 12.011	7 <b>N</b> Nitrogen 14.007	8 <b>O</b> Oxygen 15.999	9 <b>F</b> Fluorine 18.998	10 <b>Ne</b> Neon 20.180	11 <b>Na</b> Sodium 22.990	12 <b>Mg</b> Magnesium 24.305	13 <b>Al</b> Aluminum 26.989	14 <b>Si</b> Silicon 28.086	15 <b>P</b> Phosphorus 30.974	16 <b>S</b> Sulfur 32.065	17 <b>Cl</b> Chlorine 35.453	18 <b>Ar</b> Argon 39.948	19 <b>K</b> Potassium 39.098	20 <b>Ca</b> Calcium 40.078	21 <b>Sc</b> Scandium 44.956	22 <b>Ti</b> Titanium 47.867	23 <b>V</b> Vanadium 50.942	24 <b>Cr</b> Chromium 51.996	25 <b>Mn</b> Manganese 54.938	26 <b>Fe</b> Iron 55.845	27 <b>Co</b> Cobalt 58.933	28 <b>Ni</b> Nickel 58.693	29 <b>Cu</b> Copper 63.546	30 <b>Zn</b> Zinc 65.38	31 <b>Ga</b> Gallium 69.723	32 <b>Ge</b> Germanium 72.631	33 <b>As</b> Arsenic 74.922	34 <b>Se</b> Selenium 78.972	35 <b>Br</b> Bromine 79.904	36 <b>Kr</b> Krypton 84.798	37 <b>Rb</b> Rubidium 85.468	38 <b>Sr</b> Strontium 87.62	39 <b>Y</b> Yttrium 88.906	40 <b>Zr</b> Zirconium 91.224	41 <b>Nb</b> Niobium 92.906	42 <b>Mo</b> Molybdenum 95.94	43 <b>Tc</b> Technetium 98.907	44 <b>Ru</b> Ruthenium 101.07	45 <b>Rh</b> Rhodium 102.906	46 <b>Pd</b> Palladium 106.42	47 <b>Ag</b> Silver 107.868	48 <b>Cd</b> Cadmium 112.411	49 <b>In</b> Indium 114.818	50 <b>Sn</b> Tin 118.710	51 <b>Sb</b> Antimony 121.760	52 <b>Te</b> Tellurium 127.6	53 <b>I</b> Iodine 126.904	54 <b>Xe</b> Xenon 131.294	55 <b>Cs</b> Cesium 132.905	56 <b>Ba</b> Barium 137.328	57 <b>La</b> Lanthanum 138.905	58 <b>Ce</b> Cerium 140.116	59 <b>Pr</b> Praseodymium 140.908	60 <b>Nd</b> Neodymium 144.242	61 <b>Pm</b> Promethium 144.913	62 <b>Sm</b> Samarium 150.36	63 <b>Eu</b> Europium 151.964	64 <b>Gd</b> Gadolinium 157.25	65 <b>Tb</b> Terbium 158.925	66 <b>Dy</b> Dysprosium 162.500	67 <b>Ho</b> Holmium 164.930	68 <b>Er</b> Erbium 167.259	69 <b>Tm</b> Thulium 168.934	70 <b>Yb</b> Ytterbium 173.055	71 <b>Lu</b> Lutetium 174.967	72 <b>Hf</b> Hafnium 178.49	73 <b>Ta</b> Tantalum 180.948	74 <b>W</b> Tungsten 183.84	75 <b>Re</b> Rhenium 186.207	76 <b>Os</b> Osmium 190.23	77 <b>Ir</b> Iridium 192.227	78 <b>Pt</b> Platinum 195.085	79 <b>Au</b> Gold 196.967	80 <b>Hg</b> Mercury 200.592	81 <b>Tl</b> Thallium 204.383	82 <b>Pb</b> Lead 207.2	83 <b>Bi</b> Bismuth 208.980	84 <b>Po</b> Polonium [209.982]	85 <b>At</b> Astatine 209.987	86 <b>Rn</b> Radon 222.018	87 <b>Fr</b> Francium 223.020	88 <b>Ra</b> Radium 226.025	89 <b>Ac</b> Actinium 227.028	90 <b>Th</b> Thorium 232.038	91 <b>Pa</b> Protactinium 231.036	92 <b>U</b> Uranium 238.029	93 <b>Np</b> Neptunium 237.048	94 <b>Pu</b> Plutonium 244.064	95 <b>Am</b> Americium 243.061	96 <b>Cm</b> Curium 247.070	97 <b>Bk</b> Berkelium 247.070	98 <b>Cf</b> Californium 251.080	99 <b>Es</b> Einsteinium [254]	100 <b>Fm</b> Fermium 257.085	101 <b>Md</b> Mendelevium 288.1	102 <b>No</b> Nobelium 289.101	103 <b>Lr</b> Lawrencium [262]
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Alkali Metal	Alkaline Earth	Transition Metal	Basic Metal	Semimetal	Nonmetal	Halogen	Noble Gas	Lanthanide	Actinide
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# Custom Blends & Other Grades Available

Specifications: Product specifications are subject to change with out notice.

Hazardous shipping charges may apply.



GHS01 Explosive



GHS04 Compressed Gas



GHS07 Harmful



GHS02 Flammable



GHS05 Corrosive



GHS08 Health Hazard



GHS03 Oxidizing



GHS06 Toxic



GHS09 Environmental Hazard

Prices, product appearance and specifications are current at the time of printing and are subject to change without prior notice.

Fox Scientific, Inc. offers a complete line of consistent high quality reagents with minimal lot-to-lot variation. Fox also offers custom solutions to meet your needs.



## Part # Index

## CAS # Index

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Acetone	4	Lead Acetate	16
Acetonitrile	5	Methanol	17
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Dichloromethane	7	Mineral Spirits	20
Ethyl Acetate	8	Nitric Acid	21
Ethyl Alcohol	9	Phosphoric Acid	24
Glycerin	11	Potassium Hydroxide	25
Hexanes	12	Sulfuric Acid	26
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Feel free to contact us with any questions you may have on your account, orders, our catalog or for more product information.

**Office Hours:**  
*Monday - Friday*  
*8:00am - 4:30pm (cst)*



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