



Chemicals • Laboratory Supplies • Equipment
Fox
Scientific, Inc. *est. 1988*



ADVANTECH

TEST SIEVES & SHAKERS



Advantech Manufacturing offers
U.S. Standard Testing Sieves
available in 8" and/or 12" diameter
sieves, full height, half height,
brass and/or stainless steel.

Need your sieve certified?

No problem, we can get the service added to your order for
any new sieve purchases!

Need your sieve recertified?

Contact your customer service or sales representative to get
the process going!



Sieve Inspection and Calibration Certification Services are traceable to
NIST. This add-on service provides a detailed report including specific
measurements taken from each serialized sieve proving it's
conformance to the ASTM E11 standards.

Two options available:

200C – Inspection Grade

300C – Calibration Grade

CENTERLINE[®]

TEST SIEVE CERTIFICATION SERVICES



CENTERLINE[®]

CERTIFICATION BY ADVANTECH

When accuracy and traceability are vital components of your Quality Management System, certified sieves assure compliance with the ASTM E11 (American Society for Testing and Materials) specifications. Our Centerline[®] certification reports contain statistical data that is linked to each serialized sieve and provides detailed measurements traceable to the NIST (National Institute of Standards and Technology).

Certification Grade Levels

200C – INSPECTION

Certificate contains inspection data from a percentage of apertures measured based on the ASTM E11 standards table providing a confidence level of **99.0%** that each sieve is within the specifications.

300C – CALIBRATION

Certificate data contains at least twice as many apertures measured than "Inspection" grade sieves, thereby providing the highest confidence level available of **99.73%**.

ASTM E11 Certifications

"Inspection" Grade
"Calibration" Grade

Compliance

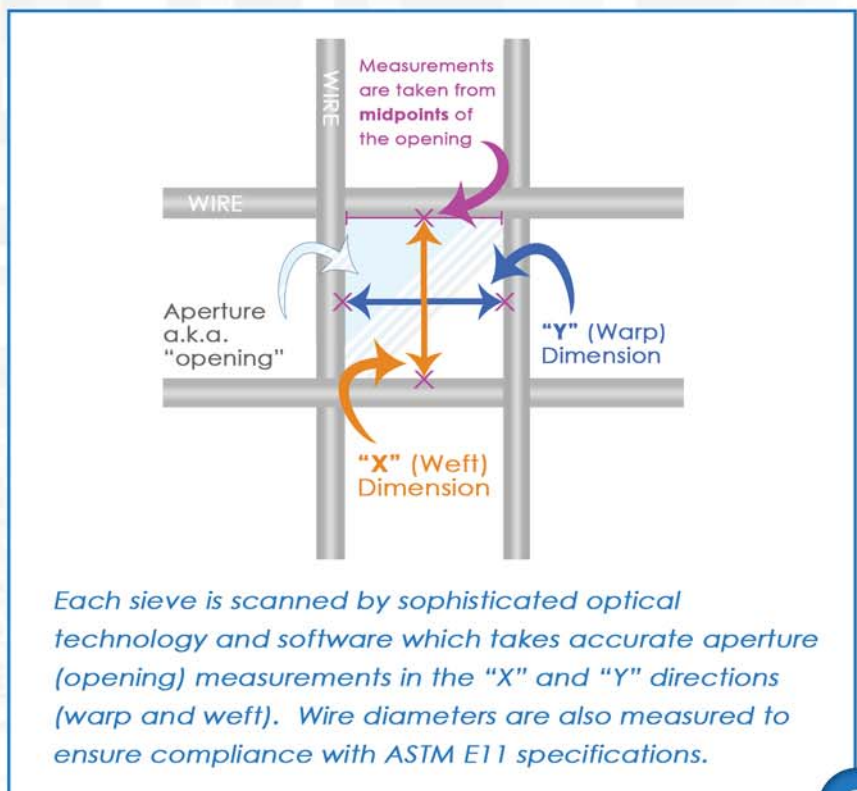
QMS (Quality Management Systems)

Measurements

NIST Traceable

Certificate Report Data

Pass/Fail Rating
Aperture Sizes
Wire Diameters
Means
Standard Deviations
Min/Max Values
Tolerance Range
Histogram
Sieve Serial Number
Certification Level
Customer Information
Certification Date



CENTERLINE® RECERTIFICATION



As with other precision lab instruments, periodic recertification is recommended to ensure the continued accuracy and conformance of your sieve(s). Working sieves that are used regularly will eventually suffer wear, which may produce inaccurate test results. The intervals for sieve re-certification greatly depend upon the properties of your test media, frequency of use, handling and cleaning practices along with your QMS (Quality Management System) requirements. Frequency of certification is determined by the mesh size and usage, which is typically on a semi-annual basis.

RECOMMENDED RECERTIFICATION SCHEDULE	MESH SIZES	NUMBER OF USES	MONTHS IN USE
		5" to 1/4"	80
	1/2" to #12	70	30
	#14 to #40	60	24
	#45 to #140	50	18
	#170 to #325	35	12
	#400 to #635	20	6



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APERTURE Measurements in Microns

Report Number: 70001 021220

X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
42.42	40.02	41.42	41.82	42.42	45.58	44.84	49.08	41.81	45.80	-	-	-	-	-	-	-	-	-	-

WIRE Measurements in Millimeters

Report Number: 70001 021220

X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y	X	Y
31.91	33.45	31.91	34.44	33.39	33.42	32.42	32.42	32.42	32.42	-	-	-	-	-	-	-	-	-	-

CERTIFICATE OF SIEVE CALIBRATION

Wire Cloth Size Verification Report
Specification Data For ASTM E11-17

Report Number: 70001 021220

Customer: ABC Corporation
Selected Sieve Number: 70001
Date: 2/12/20
U.S. Sieve Designation: #325
QC Technician: Debbie Kaebisch
Apertures Measured: 250
Wire Diameters Measured: 250

Statistics and Specification	X	Y
Mean µm	43.10	43.71
Standard Deviation µm	1.21	2.37
Minimum Aperture µm	36.30	35.96
Maximum Aperture µm	46.46	48.62
Range µm	8.08	12.66
Wire Diameters mm	0.034	0.034

Pass/Fail Status of Measured Apertures

	X	Y
1. Does the average aperture size pass the testing criteria?	PASS	PASS
2. Does the sample pass the maximum aperture size test?	PASS	PASS
3. Does the sample pass the maximum standard deviation test?	PASS	PASS
4. Does the sample pass the wire diameter test?	PASS	PASS

Measurement System Calibration and Traceability Statement
This sieve/cloth has been inspected for compliance with all applicable specifications using an optical measurement system (Image analyzer) per the ASTM E-11 Standard Specification for Woven Wire Cloth and Test Sieves.
Calibration and gage stability analyses are performed daily.
Measurement results are traceable to National Institute of Standards and Technology (NIST) via trace number 82107906-87.

Serial No. 325558F-300012
Comments: New Certification

CERTIFICATE OF SIEVE CALIBRATION

Wire Cloth Size Verification Report
Specification Data For ASTM E11-17

Report Number: 70001 021220

Customer: ABC Corporation
Selected Sieve No: 70001
Date: 02/12/20
U.S. Sieve Designation: #325
Temperature: 67°F
Humidity: 72%

Summary Statistics

APERTURE SUMMARY DATA	X	Y
Mean Aperture	43.10 µm	43.71 µm
Standard Deviation	1.21 µm	2.37 µm
Minimum Aperture	36.30 µm	35.96 µm
Maximum Aperture	46.46 µm	48.62 µm
Range	8.08 µm	12.66 µm

WIRE SUMMARY DATA	X	Y
Mean Wire Diameter	0.034 mm	0.034 mm
Standard Deviation	0.001 mm	0.001 mm
Minimum Wire Diameter	0.030 mm	0.030 mm
Maximum Wire Diameter	0.038 mm	0.037 mm
Range	0.008 mm	0.008 mm

QC Technician: Debbie Kaebisch
QC Supervisor: Dede Bozch
Date: _____

This Sieve CONFORMS with ASTM E11 Specifications

Date: _____ Checked by: _____

Serial No. 325558F-300012
Comments: New Certification