

Wire Cloth Size Verification Report

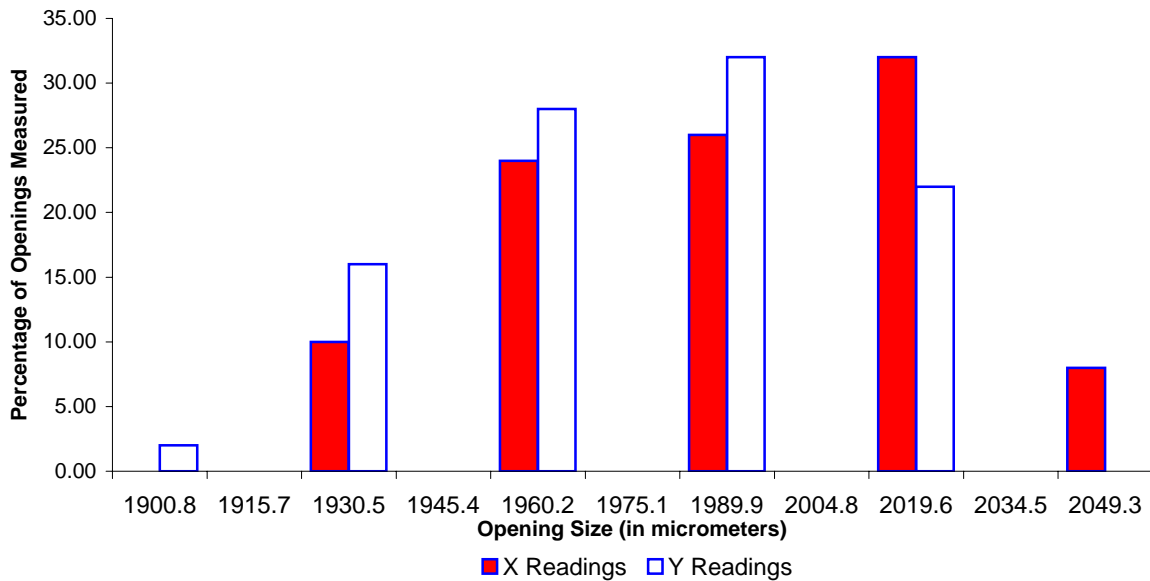
Report Number: 123456-xxxxx
Customer: XYZ Company
Selected Sieve Number: 123456
Date: x/xx/xxxx
U.S. Standard Sieve Number: 10S
Operator:
Openings Measured: 50
Wire Diameters Measured: 30

Specification Data From ASTM E 11

Nominal Opening: 2000 μ m
Opening Tolerance: \pm 70 μ m
Intermediate Tolerance: +135 μ m
Maximum Tolerance: 2215 μ m
Wire Diameter: 0.900 mm
Wire Diameter Tolerance: \pm 15%

Statistics and Specification Pass/Fail Status of Measured Openings

	X	Y		X	Y
Mean (μm)	1991.1	1976.8	1. Does the average opening size pass the E-11 test?:	PASS	PASS
Standard Deviation (μm)	33.9	31.8	2. Does the sample pass the maximum opening size test for E-11?:	PASS	PASS
Minimum Reading (μm)	1930.5	1900.8	3. Does the sample pass the E-11 intermediate tolerance test?:	PASS	PASS
Maximum Reading (μm)	2049.3	2019.6	4. Does the sample pass Advantech lower intermediate limit test*?:	PASS	PASS
Range (μm)	118.8	118.8	(*Range lies within nominal \pm intermediate tolerance value)		
Wire Diameter (mm)	0.883	0.884	5. Does the sample pass the wire diameter test?:	PASS	PASS



Measurement System Calibration and Traceability Statement

- This sieve/wire cloth has been inspected for compliance with all applicable specifications using an optical measurement system (image analyzer) per the current ASTM E-11 Standard Specification for Wire Cloth and Sieves for Testing Purposes.
- Calibration and gage stability analyses are performed daily.
- Measurements are traceable to the National Institute of Standards and Technology (NIST) via trace number 821/257908-97.

Comments: New Calibration

Raw Data Readings

	Opening Sizes (µm)				Wire Diameters (µm)			
	X	Y	X	Y	X	Y	X	Y
1	1989.90	1930.50	41	2019.60	1989.90	1	861.30	861.30
2	1989.90	1930.50	42	2019.60	1930.50	2	891.00	891.00
3	2019.60	1930.50	43	2019.60	1960.20	3	891.00	891.00
4	1960.20	1930.50	44	2019.60	1960.20	4	891.00	891.00
5	2019.60	1930.50	45	2049.30	1989.90	5	891.00	891.00
6	2019.60	1900.80	46	2019.60	1960.20	6	861.30	891.00
7	1930.50	1989.90	47	1989.90	1989.90	7	861.30	861.30
8	1989.90	1989.90	48	2019.60	1989.90	8	891.00	891.00
9	1960.20	1960.20	49	2019.60	2019.60	9	891.00	920.70
10	1989.90	1960.20	50	2019.60	1989.90	10	891.00	891.00
11	1989.90	1989.90	51	-	-	11	891.00	861.30
12	1930.50	1989.90	52	-	-	12	861.30	891.00
13	1960.20	1989.90	53	-	-	13	891.00	891.00
14	1960.20	1960.20	54	-	-	14	891.00	861.30
15	1989.90	1960.20	55	-	-	15	891.00	861.30
16	1960.20	1960.20	56	-	-	16	861.30	891.00
17	1989.90	1960.20	57	-	-	17	891.00	891.00
18	1960.20	1960.20	58	-	-	18	891.00	891.00
19	1960.20	1989.90	59	-	-	19	891.00	861.30
20	1960.20	1960.20	60	-	-	20	861.30	891.00
21	1960.20	1989.90	61	-	-	21	891.00	891.00
22	1960.20	2019.60	62	-	-	22	891.00	891.00
23	1930.50	2019.60	63	-	-	23	891.00	861.30
24	1930.50	2019.60	64	-	-	24	891.00	891.00
25	1930.50	2019.60	65	-	-	25	861.30	861.30
26	1960.20	2019.60	66	-	-	26	891.00	891.00
27	1960.20	2019.60	67	-	-	27	891.00	891.00
28	1989.90	1989.90	68	-	-	28	891.00	891.00
29	1989.90	1930.50	69	-	-	29	861.30	891.00
30	1989.90	1930.50	70	-	-	30	891.00	891.00
31	2019.60	2019.60	71	-	-	31	-	-
32	2049.30	1989.90	72	-	-	32	-	-
33	1989.90	2019.60	73	-	-	33	-	-
34	2049.30	2019.60	74	-	-	34	-	-
35	1989.90	2019.60	75	-	-	35	-	-
36	2049.30	1989.90	76	-	-	36	-	-
37	2019.60	1960.20	77	-	-	37	-	-
38	2019.60	1960.20	78	-	-	38	-	-
39	2019.60	1960.20	79	-	-	39	-	-
40	2019.60	1989.90	80	-	-	40	-	-

Customer: XYZ Company

Selected Sieve Number: 123456

Date: x/xx/xxxx

U.S. Standard Sieve No.: 10S

Temperature: 68°F

Humidity: 25%

Summary Statistics

(in micrometers)	X	Y
Mean Opening Size:	1991.1	1976.8
Standard Deviation:	33.9	31.8
Minimum Opening Size:	1930.5	1900.8
Maximum Opening Size:	2049.3	2019.6
Range:	118.8	118.8

(in millimeters)	X	Y
Mean Wire Diameter:	0.883	0.884
Standard Deviation:	0.013	0.015
Minimum Wire Diameter:	0.861	0.861
Maximum Wire Diameter:	0.891	0.921
Range:	0.030	0.059

Operator:

Signature / Date

Supervisor:

Signature / Date

**This Sieve CONFORMS with
the Advantech Manufacturing
CENTERLINE® Measurement System
Specifications**

Date: _____ **Checked:** _____