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Calibration Sieve Certificate Wire Cloth Size Verification Report

Report Number: 12345 081010

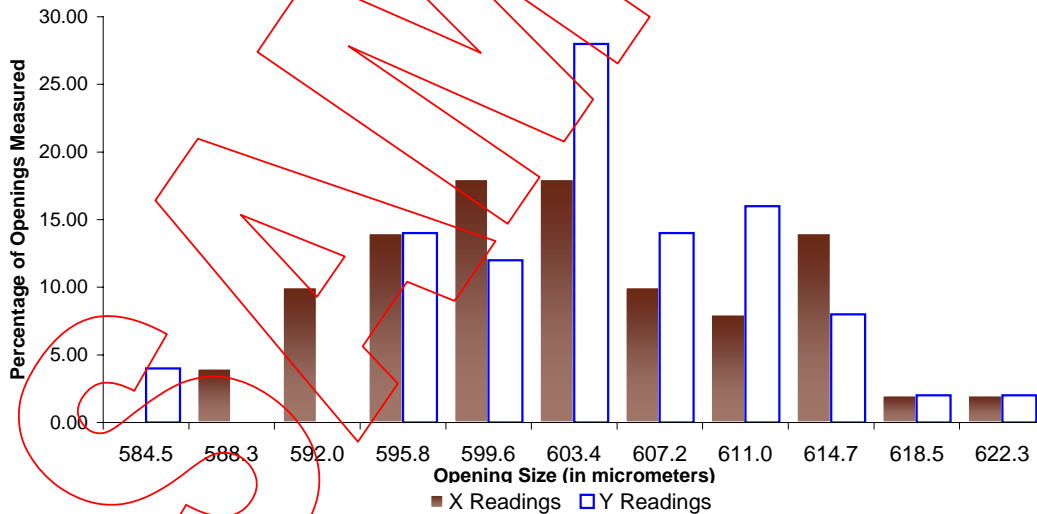
Customer: **XYZ Company**

Specification Data From ASTM E 11-09

Selected Sieve Number: **12345**
 Date: 8/10/10
 U.S. Standard Sieve Number: 30S
 Technician: Jane Smith
 Openings Measured: 100
 Wire Diameters Measured: 10

Nominal Opening 600 µm
 Average Opening Variation ±21.2 µm
 Max. Standard Deviation +31.32 µm
 Maximum Tolerance 701 µm
 Typical Wire Diameter 0.400 mm
 Wire Diameter Tolerance 0.34 - 0.46 mm

Statistics and Specification			Pass/Fail Status of Measured Openings		
	<u>X</u>	<u>Y</u>		<u>X</u>	<u>Y</u>
Mean (µm)	601.72	602.13	1. Does the average opening size pass the E-11 test?:	PASS	PASS
Standard Deviation (µm)	8.93	7.73	2. Does the sample pass the maximum opening size test for E-11?:	PASS	PASS
Minimum Reading (µm)	585.69	584.47	3. Does the sample pass the E-11 max. Standard Deviation test?:	PASS	PASS
Maximum Reading (µm)	622.30	621.26	4. Does the sample pass the wire diameter test?:	PASS	PASS
Range (µm)	36.61	36.79			
Wire Diameter (mm)	0.399	0.399			



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
 SAMPLE REPORT**

Raw Data Readings

		Opening Sizes (µm)						
		X	Y	X	Y	X	Y	
1)	593.83	596.73	41)	601.96	609.00	81)	610.10	604.91
2)	589.76	584.47	42)	606.03	609.00	82)	614.17	609.00
3)	593.83	584.47	43)	614.17	600.82	83)	606.03	609.00
4)	585.69	613.08	44)	597.90	600.82	84)	610.10	604.91
5)	589.76	617.17	45)	606.03	600.82	85)	606.03	604.91
6)	585.69	621.26	46)	601.96	592.65	86)	606.03	613.08
7)	597.90	613.08	47)	614.17	596.73	87)	601.96	600.82
8)	589.76	609.00	48)	597.90	600.82	88)	601.96	596.73
9)	601.96	609.00	49)	614.17	609.00	89)	601.96	604.91
10)	593.83	592.65	50)	597.90	613.08	90)	597.90	609.00
11)	597.90	596.73	51)	593.83	596.73	91)	601.96	609.00
12)	601.96	596.73	52)	589.76	584.47	92)	606.03	609.00
13)	593.83	600.82	53)	593.83	584.47	93)	614.17	600.82
14)	601.96	600.82	54)	585.69	613.08	94)	597.90	600.82
15)	622.30	604.91	55)	589.76	617.17	95)	606.03	600.82
16)	589.76	592.65	56)	585.69	621.26	96)	601.96	592.65
17)	597.90	596.73	57)	597.90	613.08	97)	614.17	596.73
18)	614.17	592.65	58)	589.76	609.00	98)	597.90	600.82
19)	597.90	600.82	59)	601.96	609.00	99)	614.17	609.00
20)	610.10	600.82	60)	593.83	592.65	100)	597.90	613.08
21)	614.17	600.82	61)	597.90	596.73			
22)	597.90	600.82	62)	601.96	596.73			
23)	601.96	604.91	63)	593.83	600.82			
24)	610.10	600.82	64)	601.96	600.82			
25)	593.83	592.65	65)	622.30	604.91			
26)	593.83	592.65	66)	589.76	592.65			
27)	618.23	592.65	67)	597.90	596.73			
28)	589.76	600.82	68)	614.17	592.65			
29)	593.83	604.91	69)	597.90	600.82			
30)	614.17	600.82	70)	610.10	600.82			
31)	610.10	604.91	71)	614.17	600.82	1)	398.60	398.60
32)	614.17	609.00	72)	597.90	600.82	2)	404.64	400.55
33)	606.03	609.00	73)	601.96	604.91	3)	394.53	398.60
34)	610.10	604.91	74)	610.10	600.82	4)	400.55	400.55
35)	606.03	604.91	75)	593.83	592.65	5)	398.60	398.60
36)	606.03	613.08	76)	593.83	592.65	6)	400.55	404.64
37)	601.96	600.82	77)	618.23	592.65	7)	394.53	386.40
38)	601.96	596.73	78)	589.76	600.82	8)	396.46	396.46
39)	601.96	604.91	79)	593.83	604.91	9)	398.60	402.67
40)	597.90	609.00	80)	614.17	600.82	10)	404.64	404.64

Customer: XYZ Company
Selected Sieve Number: 12345
Date: 8/10/10
U.S. Standard Sieve No.: 30S
Temperature: 68°F
Humidity: 39%

Summary Statistics

	<u>X</u>	<u>Y</u>
(in micrometers)		
Mean Opening Size:	601.72	602.13
Standard Deviation:	8.93	7.73
Minimum Opening Size:	585.69	584.47
Maximum Opening Size:	622.30	621.26
Range:	36.61	36.79
(in millimeters)		
Mean Wire Diameter:	<u>X</u> 0.399	<u>Y</u> 0.399
Standard Deviation:	0.004	0.005
Minimum Wire Diameter:	0.395	0.386
Maximum Wire Diameter:	0.405	0.405
Range:	0.010	0.018

Technician: Jane Smith

Signature / Date

Supervisor: John Doe

Signature / Date

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

Date: _____ **Checked:** _____