

## Coarse Sieve Calibration Worksheet

Equipment ID: _____	Date: _____
Manufacturer: _____	Performed By: _____
Model #: _____	Last Calibration: _____
Serial #: _____	Next Calibration Due: _____
Storage Location: _____	

Calibration Item: Verify physical condition and critical dimensions for # 4 (4.75 mm)  
and larger sieves

Calibration Procedure: In-House Procedure for Verifying Coarse Sieves

Calibration Equipment: Caliper readable to at least 0.01 mm

Caliper I.D. \_\_\_\_\_

Sieve Opening Size: \_\_\_\_\_ Frame:  Round  Rectangular Frame Size: \_\_\_\_\_

### Sieve Condition

Label	<input type="checkbox"/> Sieve Size	<input type="checkbox"/> Manufacturer	<input type="checkbox"/> Serial Number		
Frame	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	
Joint	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	
Cloth Uniformity	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	
Cloth Tightness	<input type="checkbox"/> Excellent	<input type="checkbox"/> Good	<input type="checkbox"/> Fair	<input type="checkbox"/> Poor	

Opening	Horizontal	Vertical	Tolerance ( $\pm X$ )	Pass / Fail	
1				<input type="checkbox"/> Pass	<input type="checkbox"/> Fail
2				<input type="checkbox"/> Pass	<input type="checkbox"/> Fail
3				<input type="checkbox"/> Pass	<input type="checkbox"/> Fail
4				<input type="checkbox"/> Pass	<input type="checkbox"/> Fail
5				<input type="checkbox"/> Pass	<input type="checkbox"/> Fail
6				<input type="checkbox"/> Pass	<input type="checkbox"/> Fail
7				<input type="checkbox"/> Pass	<input type="checkbox"/> Fail
8				<input type="checkbox"/> Pass	<input type="checkbox"/> Fail

			Tolerance ( $\pm Y$ )	Pass / Fail	
Avg. Opening				<input type="checkbox"/> Pass	<input type="checkbox"/> Fail

*Table 1, ASTM E11 (condensed)*

Standard Sieve Size (mm)	U.S. Alternative Sieve Size	$\pm Y$ Variation for Avg. Opening (mm)	$\pm X$ Max Variation for Opening (mm)
50	2 in.	1.34	2.06
37.5	1 1/2 in.	1.01	1.67
25	1 in.	0.682	1.24
19	3/4 in.	0.522	1.01
12.5	1/2 in.	0.346	0.75
9.5	3/8 in.	0.265	0.61
4.75	No. 4	0.135	0.37

Pass / Fail \_\_\_\_\_  
Initial By \_\_\_\_\_