



GREAT LAKES SCALE COMPANY  
 35380 UNION LAKE RD.  
 HARRISON TOWNSHIP, MI 48045  
 Phone: (586) 776-0517

# Certificate of Calibration

**Certificate ID:** 23635-aa190906104904

**Customer:** SUPERIOR MATERIALS 39  
 SUP1148 6750 SIMS DR

**Test Date:** 8/30/2019

STERLING HEIGHTS, MI 48313

**ISO Number:** MS-FM-CEM-001

(\*Make: ALKON Model : COMMAND SN#: 23635-aa Capacity: 10000 lb Graduation: 5 lb

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
8/30/2019	02/29/2020	Semi-Annually	23635-aa	III
SCALE LOCATION		EQUIPMENT CONDITIONS		
CEMENT		Working	Clean	
SELECT NUMBER OF PM DAYS:	CAPACITY	10000 UOM	lb	INCREMENT
				5

## AS FOUND TEST USING TEST WEIGHTS

## AS LEFT TEST USING TEST WEIGHTS

AS FOUND TEST USING TEST WEIGHTS						AS LEFT TEST USING TEST WEIGHTS					
Weight Applied	Reading		Error			Weight Applied	Reading		Error		
0	lb	0	lb	0	lb	0	lb	0	lb	0	lb
2000	lb	2000	lb	0	lb	2000	lb	2000	lb	0	lb
4000	lb	4000	lb	0	lb	4000	lb	4000	lb	0	lb
6000	lb	6000	lb	0	lb	6000	lb	6000	lb	0	lb
4000	lb	4000	lb	0	lb	4000	lb	4000	lb	0	lb
2000	lb	2000	lb	0	lb	2000	lb	2000	lb	0	lb
0	lb	0	lb	0	lb	0	lb	0	lb	0	lb
	lb		lb		lb		lb		lb		lb
	lb		lb		lb		lb		lb		lb
	lb		lb		lb		lb		lb		lb

## AS LEFT BUILD TEST

Test Weight Applied	Material Weight Applied		Reading		Error	
6000	lb	3140	lb	9140	lb	0
	lb		lb		lb	
	lb		lb		lb	
	lb		lb		lb	
	lb		lb		lb	
	lb		lb		lb	
	lb		lb		lb	
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	lb		lb		lb	
	lb		lb		lb	
	lb		lb		lb	
	lb		lb		lb	
	lb		lb		lb	

**OVERALL TEST RESULTS PASS**



**Customer:** SUPERIOR MATERIALS 39  
 SUP1148 6750 SIMS DR

**Certificate ID:** 23635-cc190906110046

**Test Date:** 8/30/2019

STERLING HEIGHTS, MI 48313

**ISO Number:** MS-FM-CEM-001

**TEST INFORMATION**


TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	1.59
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	50
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	Pass w/o adjustment

**Comments:**

Found scale on zero load tested to 4000 lb and sealed.

TRACEABILITY CERTIFICATE NUMBERS:			
Kit	NIST	Date	Date Due
Description			
GLSK20	MI-06-19-14306	6/26/2019	
6/26/2021	TRUCK 109 - 1000 LB		
GLSK19	MI-06-19-14306	6/26/2019	
6/26/2021	TRUCK 109 - 1000 LB		
GLSK18	MI-06-19-14306	6/26/2019	
6/26/2021	TRUCK 109 - 1000 LB		
GLSK17	MI-06-19-14306	6/26/2019	
6/26/2021	TRUCK 109 - 1000 LB		

**Technician(s):** RAY MCCREARY; Edward G Gorham

**Signature:** 

Devices were calibrated with the certified test weights. Adjustments made to restore and/or maintain the accuracy of the device conform to the tolerances established by NIST or Manufacturers Specifications. Best measurement of uncertainty calculated using a coverage factor of K=2. This provides confidence level of 95%.



**Customer:** SUPERIOR MATERIALS 39  
 SUP1148 6750 SIMS DR

**Certificate ID:** 23635-bb190906104943

**Test Date:** 8/30/2019

STERLING HEIGHTS, MI 48313

**ISO Number:** MS-FM-CEM-001

**TEST INFORMATION**

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	15
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	50
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	Pass w/o adjustment

**Comments:**

Found scale on zero load tested and sealed.

TRACEABILITY CERTIFICATE NUMBERS:				
Kit	NIST	Date	Date Due	
Description				
GLSK20	MI-06-19-14306	6/26/2019	6/26/2021	
TRUCK 109 - 1000 LB				
GLSK19	MI-06-19-14306	6/26/2019	6/26/2021	
TRUCK 109 - 1000 LB				
GLSK18	MI-06-19-14306	6/26/2019	6/26/2021	
TRUCK 109 - 1000 LB				
GLSK17	MI-06-19-14306	6/26/2019	6/26/2021	
TRUCK 109 - 1000 LB				
GLSK16	MI-06-19-14306	6/26/2019	6/26/2021	
TRUCK 109 - 1000 LB				
GLSK15	MI-06-19-14306	6/26/2019	6/26/2021	
TRUCK 109 - 1000 LB				

**Technician(s):** RAY MCCREARY; Edward G Gorham

**Signature:** 

Devices were calibrated with the certified test weights. Adjustments made to restore and/or maintain the accuracy of the device conform to the tolerances established by NIST or Manufacturers Specifications. Best measurement of uncertainty calculated using a coverage factor of K=2. This provides confidence level of 95%.

**Customer:** SUPERIOR MATERIALS 39  
 SUP1148 6750 SIMS DR

**Certificate ID:** 23635-aa190906104904

**Test Date:** 8/30/2019

STERLING HEIGHTS, MI 48313

**ISO Number:** MS-FM-CEM-001

**TEST INFORMATION**

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	3.68
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	50
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	Pass adjustment needed

**Comments:**

Found scale on zero load tested and sealed.

TRACEABILITY CERTIFICATE NUMBERS:				
Kit	NIST	Date	Date Due	Description
GLSK20	MI-06-19-14306	6/26/2019	6/26/2021	TRUCK 109 - 1000 LB
GLSK19	MI-06-19-14306	6/26/2019	6/26/2021	TRUCK 109 - 1000 LB
GLSK18	MI-06-19-14306	6/26/2019	6/26/2021	TRUCK 109 - 1000 LB
GLSK17	MI-06-19-14306	6/26/2019	6/26/2021	TRUCK 109 - 1000 LB
GLSK16	MI-06-19-14306	6/26/2019	6/26/2021	TRUCK 109 - 1000 LB
GLSK15	MI-06-19-14306	6/26/2019	6/26/2021	TRUCK 109 - 1000 LB

**Technician(s):** RAY MCCREARY; Edward G Gorham

**Signature:** 

Devices were calibrated with the certified test weights. Adjustments made to restore and/or maintain the accuracy of the device conform to the tolerances established by NIST or Manufacturers Specifications. Best measurement of uncertainty calculated using a coverage factor of K=2. This provides confidence level of 95%.