



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

## Certificate of Calibration

**Customer:** SUPERIOR MATERIALS 2  
 SUP1048 20565 HOOVER

**Certificate ID:** 72113-a180830093007

**Test Date:** 08/30/2018

DETROIT, MI

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

(\*)Make: ALKON Model : COMMAND SN#: 72113-a Capacity: 10000 LB Graduation: 5 LB

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
08/30/2018	03/01/2019	Semi-Annually	72113-a	III
SCALE LOCATION	EQUIPMENT CONDITIONS			
	Working		Clean	

SELECT NUMBER OF PM DAYS: \_\_\_\_\_ CAPACITY 10000 UOM LB INCREMENT 5

### AS FOUND TEST USING TEST WEIGHTS

Weight Applied	Reading	Error
0	LB 0	LB 0
6000	LB 6025	LB 25
0	LB 0	LB 0
	LB	LB
	LB	LB
	LB	LB
	LB	LB
	LB	LB
	LB	LB
	LB	LB

### AS LEFT TEST USING TEST WEIGHTS

Weight Applied	Reading	Error
0	LB 0	LB 0
2000	LB 2000	LB 0
4000	LB 4000	LB 0
6000	LB 6000	LB 0
4000	LB 4000	LB 0
2000	LB 2000	LB 0
0	LB 0	LB 0
	LB	LB
	LB	LB
	LB	LB

### AS LEFT BUILD TEST

Test Weight Applied	Material Weight Applied	Reading	Error
6000	LB 3450	LB 9450	LB 0
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB

OVERALL TEST RESULTS PASS



GREAT LAKES SCALE COMPANY  
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 ROSEVILLE, MI 48066  
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DETROIT, MI

**Certificate ID:** 72113-a180830093007

**Test Date:** 08/30/2018

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

**TEST INFORMATION**

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	3.68
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	80
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	Pass adjustment needed

**Comments:**

scale, tested and calibrated, sealed.

TRACEABILITY CERTIFICATE NUMBERS:

Kit	NIST	Date	Date Due
Description			
GL0601	MI-06-17-13260	6/15/2017	6/15/2019
TRUCK 6 - 1000 LB			
GL0602	MI-06-17-13260	6/15/2017	6/15/2019
TRUCK 6 - 1000 LB			
GL0603	MI-06-17-13260	6/15/2017	6/15/2019
TRUCK 6 - 1000 LB			
GL0604	MI-06-17-13260	6/15/2017	6/15/2019
TRUCK 6 - 1000 LB			
GL0605	MI-06-17-13260	6/15/2017	6/15/2019
TRUCK 6 - 1000 LB			
GL0606	MI-06-17-13260	6/15/2017	6/15/2019
TRUCK 6 - 1000 LB			

**Technician(s):** RICH KOTHE;

**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%.



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## Certificate of Calibration

**Customer:** SUPERIOR MATERIALS 2  
 SUP1048 20565 HOOVER

**Certificate ID:** 72113-b180830093247

**Test Date:** 08/30/2018

DETROIT, MI

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

(\*)Make: ALKON Model : COMMAND SN#: 72113-b Capacity: 40000 LB Graduation: 40 LB

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
08/30/2018	03/01/2019	Semi-Annually	72113-b	III L
SCALE LOCATION		EQUIPMENT CONDITIONS		
		Working Clean		
SELECT NUMBER OF PM DAYS:	CAPACITY	40000 UOM	LB	INCREMENT 40

### AS FOUND TEST USING TEST WEIGHTS

Weight Applied	Reading	Error
0	LB 0	LB 0
1000	LB 1000	LB 0
2000	LB 2000	LB 0
3000	LB 3000	LB 0
4000	LB 4000	LB 0
5000	LB 5000	LB 0
6000	LB 6000	LB 0
0	LB 0	LB 0
	LB	LB
	LB	LB

### AS LEFT TEST USING TEST WEIGHTS

Weight Applied	Reading	Error
	LB	LB
	LB	LB
	LB	LB
	LB	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
2000	LB 6000	LB 8000	LB 0
4000	LB 6000	LB 10000	LB 0
6000	LB 6000	LB 12000	LB 0
2000	LB 12000	LB 14000	LB 0
4000	LB 12000	LB 16000	LB 0
6000	LB 12000	LB 18000	LB 0
2000	LB 18000	LB 20000	LB 0
4000	LB 18000	LB 22000	LB 0
6000	LB 18000	LB 24000	LB 0
2000	LB 24000	LB 26000	LB 0
4000	LB 24000	LB 28000	LB 0
6000	LB 24000	LB 30000	LB 0
2000	LB 30000	LB 32000	LB 0
4000	LB 30000	LB 34000	LB 0
6000	LB 30000	LB 36000	LB 0
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB

**OVERALL TEST RESULTS PASS**



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**TEST INFORMATION**

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	27
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	80
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	Pass w/o adjustment

**Comments:**

Test scale Now ok

TRACEABILITY CERTIFICATE NUMBERS:

Kit	NIST	Date	Date Due
Description			
GL0601	MI-06-17-13260	6/15/2017	6/15/2019
TRUCK 6 - 1000 LB			
GL0602	MI-06-17-13260	6/15/2017	6/15/2019
TRUCK 6 - 1000 LB			
GL0603	MI-06-17-13260	6/15/2017	6/15/2019
TRUCK 6 - 1000 LB			
GL0604	MI-06-17-13260	6/15/2017	6/15/2019
TRUCK 6 - 1000 LB			
GL0605	MI-06-17-13260	6/15/2017	6/15/2019
TRUCK 6 - 1000 LB			
GL0606	MI-06-17-13260	6/15/2017	6/15/2019
TRUCK 6 - 1000 LB			

**Technician(s):** RICH KOTHE;

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