



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

## Certificate of Calibration

**Customer:** SUPERIOR MATERIALS 35  
 SUP1104 39001 W HURON RD

**Certificate ID:** 62821-b180905021303

**Test Date:** 09/05/2018

ROMULUS, MI 48174

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

(\*Make: ALKON Model: COMMAND SN#: 62821-b Capacity: 40000 LB Graduation: 20 LB

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
09/05/2018	03/07/2019	Semi-Annually	62821-b	III L
SCALE LOCATION	EQUIPMENT CONDITIONS			
	Working		Clean	
SELECT NUMBER OF PM DAYS:	CAPACITY	40000 UOM	LB	INCREMENT 20

### AS FOUND TEST USING TEST WEIGHTS

Weight Applied	Reading	Error
0	LB 0	LB 0
1000	LB 1000	LB 0
2000	LB 1980	LB -20
3000	LB 2980	LB -20
4000	LB 3960	LB -40
5000	LB 4960	LB -40
6000	LB 5940	LB -60
0	LB 0	LB 0
	LB	LB
	LB	LB

### AS LEFT 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 BUILD TEST

Test Weight Applied	Material Weight Applied	Reading	Error
2000	LB 8000	LB 10000	LB 0
4000	LB 8000	LB 12000	LB 0
6000	LB 8000	LB 14000	LB 0
2000	LB 16000	LB 18000	LB 0
4000	LB 16000	LB 20000	LB 0
6000	LB 16000	LB 22000	LB 0
2000	LB 24000	LB 25980	LB -20
4000	LB 24000	LB 27980	LB -20
6000	LB 24000	LB 29980	LB -20
2000	LB 32000	LB 33980	LB -20
4000	LB 32000	LB 35980	LB -20
6000	LB 32000	LB 37980	LB -20
	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  
 29540 CALAHAN RD.  
 ROSEVILLE, MI 48066  
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 ROMULUS, MI 48174

**Certificate ID:** 62821-b180905021303  
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**TEST INFORMATION**

TEST WEIGHT CLASSIFICATION EXPANDED UNCERTAINTY  
 F 15  
 ENVIRONMENTAL CONDITIONS TEMPERATURE  
 Acceptable 90  
 WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?  
 Yes  
 TEST LOCATION OVERALL RESULT  
 Onsite Pass w/o adjustment

**Comments:**

Test and cal scale clean around scale Adjust pivots check all mechanical parts

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):** MIKE GLADSTONE; Joe bielarz

**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 35  
 SUP1104 39001 W HURON RD

**Certificate ID:** 62821-a180905021301

**Test Date:** 09/05/2018

ROMULUS, MI 48174

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

(\*)Make: ALKON Model: COMMAND SN#: 62821-a Capacity: 10000 LB Graduation: 10 LB

CALIBRATION DATE 09/05/2018	DUE DATE 03/07/2019	TEST INTERVAL Semi-Annually	SCALE ID 62821-a	SCALE CLASS III
SCALE LOCATION Cement	EQUIPMENT CONDITIONS Working                      Clean			
SELECT NUMBER OF PM DAYS:	CAPACITY	10000 UOM	LB	INCREMENT                      10

**AS FOUND 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
	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
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
	LB	LB

**AS LEFT BUILD TEST**

Test Weight Applied	Material Weight Applied	Reading	Error
6000	LB 3300	LB 9300	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
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OVERALL TEST RESULTS PASS



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**Test Date:** 09/05/2018

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**TEST INFORMATION**

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	6.68
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	90
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	Pass w/o adjustment

**Comments:**

Test scale,sealed.

**TRACEABILITY CERTIFICATE NUMBERS:**

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Description			
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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			

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