



GREAT LAKES SCALE COMPANY  
 29540 CALAHAN RD.  
 ROSEVILLE, MI 48066  
 Phone: (586) 776-0517

## Certificate of Calibration

Customer: SUPERIOR MATERIALS PLANT 20  
 SUP1142 65300 NORTH DORT HWY

Certificate ID: 62822A171127106754

Test Date: 11/27/2017

FLINT, MI 48505

ISO Number: MS-FM-CEM-001

(\*)Make: ALKON Model: COMMAND SN#: 62822A Capacity: 0 Graduation: 0

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
11/27/2017			62822A	II
SCALE LOCATION			EQUIPMENT CONDITIONS	
Aggregate			Working	
SELECT NUMBER OF FM DAYS:	CAPACITY	40000 UOM	Lb	INCREMENT
				20

### AS FOUND TEST USING TEST WEIGHTS

### AS LEFT TEST USING TEST WEIGHTS

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

### AS LEFT BUILD TEST

Test Weight Applied	Material Weight Applied	Reading	Error
6000	6000	12000	0
6000	12000	18000	0
6000	18000	24000	0
6000	24000	30000	0
6000	32000	38000	0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0
			0

OVERALL TEST RESULTS PASS



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**Customer:** SUPERIOR MATERIALS PLANT 20  
SUP1142 65300 NORTH DORT HWY  
FLINT, MI 48505

**Certificate ID:** 000224171127106754  
**Test Date:** 11/27/2017  
**ISO Number:** MS-FM-CEM-001

**TEST INFORMATION**

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	15 lb
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	42
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	

**Comments:**

Scale on zero load tested to 6000 lb build tested to 30000 lb axeled

TRACEABILITY CERTIFICATE NUMBERS:				
Kit	NIST	Date	Date Due	
Description				
GL1504	MI-03-17-13117	3/22/2017	3/22/2019	
TRUCK 15 - 1000 LB				
GL1502	MI-03-17-13117	3/22/2017	3/22/2019	
TRUCK 15 - 1000 LB				
GL1503	MI-03-17-13117	3/22/2017	3/22/2019	
TRUCK 15 - 1000 LB				
GL1505	MI-03-17-13117	3/22/2017	3/22/2019	
TRUCK 15 - 1000 LB				
GL1506	MI-03-17-13117	3/22/2017	3/22/2019	
TRUCK 15 - 1000 LB				
GL1501	MI-06-17-13260	6/15/2017	6/15/2019	
TRUCK 15 - 1000 LB				

Technician(s): RENTE EVANS;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%.



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## Certificate of Calibration

**Customer:** SUPERIOR MATERIALS PLANT 20  
 SUP1142 65300 NORTH DORT HWY

**Certificate ID:** 62822C171127105151

**Test Date:** 11/27/2017

FLINT, MI 48505

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

(\*Make: ALKON Model: COMMAND SN#: 62822C Capacity: 0 Graduation: 0

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
11/27/2017			62822C	II
SCALE LOCATION		EQUIPMENT CONDITIONS		
Cement		Working		
SELECT NUMBER OF FM DAYS:		CAPACITY	10000 UOM	Lb INCREMENT 5

### 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	0	lb 0	lb 0
2000	lb 2000	lb 0	2000	lb 2000	lb 0
4000	lb 4000	lb 0	4000	lb 4000	lb 0
6000	lb 5995	lb -5	6000	lb 6000	lb 0
4000	lb 4000	lb 0	4000	lb 4000	lb 0
2000	lb 2000	lb 0	2000	lb 2000	lb 0
0	lb 0	lb 0	0	lb 0	lb 0
	lb	lb 0		lb	lb 0
	lb	lb 0		lb	lb 0
	lb	lb 0		lb	lb 0

### AS LEFT BUILD TEST

Test Weight Applied	Material Weight Applied	Reading	Error
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0
lb		lb	0

OVERALL TEST RESULTS PASS



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Phone: (586) 776-0517

**Customer:** SUPERIOR MATERIALS PLANT 20  
SUP1142 65300 NORTH DORT HWY  
  
FLINT , MI 48505

**Certificate ID:** 03820171127105151  
**Test Date:** 11/27/2017  
**ISO Number:** MS-FM-CEM-001

**TEST INFORMATION**

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	3.68 lb
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	42
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	Pass adjustment needed

**Comments:**

Scale on zero. Load tested calibrated intended and passed.

**TRACEABILITY CERTIFICATE NUMBERS:**

Kit	NIST	Date	Date Due
Description			
GL1504	MI-03-17-13117	3/22/2017	3/22/2019
TRUCK 15 - 1000 LB			
GL1502	MI-03-17-13117	3/22/2017	3/22/2019
TRUCK 15 - 1000 LB			
GL1503	MI-03-17-13117	3/22/2017	3/22/2019
TRUCK 15 - 1000 LB			
GL1505	MI-03-17-13117	3/22/2017	3/22/2019
TRUCK 15 - 1000 LB			
GL1506	MI-03-17-13117	3/22/2017	3/22/2019
TRUCK 15 - 1000 LB			
GL1501	MI-06-17-13280	6/15/2017	6/15/2019
TRUCK 15 - 1000 LB			

**Technician(s):** RENTE EVANS;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%.