



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

# Certificate of Calibration

**Customer:** SUPERIOR MATERIALS 102  
 SUP1112 44922 GRAND RIVER AVE

**Certificate ID:** 105134 CEMENT181212121948

**Test Date:** 12/12/2018

NOVI, MI 48375

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

(\*)Make: ALKON Model : COMMAND SN#: 105134 CEMENT Capacity: 10000 lb Graduation: 5 lb

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
12/12/2018	06/13/2019	Semi-Annually	105134 CEMENT	III
SCALE LOCATION		EQUIPMENT CONDITIONS		
		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
lb		lb	0	lb	0
lb		lb	6000	lb	6000
lb		lb	0	lb	0
lb		lb	1000	lb	1000
lb		lb	2000	lb	2000
lb		lb	3000	lb	3000
lb		lb	4000	lb	4000
lb		lb	5000	lb	5000
lb		lb	6000	lb	6000
lb		lb	0	lb	0

### AS LEFT BUILD TEST

Test Weight Applied	Material Weight Applied	Reading	Error
6000	lb 3400	lb 9400	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
	lb	lb	lb
	lb	lb	lb
	lb	lb	lb
	lb	lb	lb

**OVERALL TEST RESULTS PASS**

**Customer:** SUPERIOR MATERIALS 102  
 SUP1112 44922 GRAND RIVER AVE  
 NOVI, MI 48375

**Certificate ID:** 105134 CEMENT181212121948  
**Test Date:** 12/12/2018  
**ISO Number:** MS-FM-CEM-001

**TEST INFORMATION**

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	3.68
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	30
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	Pass adjustment needed

**Comments:**

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):** RON EVANS; 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 102  
 SUP1112 44922 GRAND RIVER AVE

**Certificate ID:** 105134 AGG181212122211

**Test Date:** 12/12/2018

NOVI, MI 48375

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

(\*)Make: ALKON Model : COMMAND SN#: 105134 AGG Capacity: 40000 lb Graduation: 20 lb

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
12/12/2018	06/13/2019	Semi-Annually	105134 AGG	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

## AS LEFT TEST USING TEST WEIGHTS

Weight Applied	Reading	Error	Weight Applied	Reading	Error
0	lb 0	lb 0		lb	lb
6000	lb 6000	lb 0		lb	lb
0	lb 0	lb 0		lb	lb
1000	lb 1000	lb 0		lb	lb
2000	lb 2000	lb 0		lb	lb
3000	lb 3000	lb 0		lb	lb
4000	lb 4000	lb 0		lb	lb
5000	lb 5000	lb 0		lb	lb
6000	lb 6000	lb 0		lb	lb
0	lb 0	lb 0		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 32000	lb 34000	lb 0
4000	lb 32000	lb 36000	lb 0
6000	lb 32000	lb 38000	lb 0
	lb	lb	lb
	lb	lb	lb
	lb	lb	lb
	lb	lb	lb

**OVERALL TEST RESULTS PASS**

**Customer:** SUPERIOR MATERIALS 102  
 SUP1112 44922 GRAND RIVER AVE  
 NOVI, MI 48375

**Certificate ID:** 105134 AGG181212122211  
**Test Date:** 12/12/2018  
**ISO Number:** MS-FM-CEM-001

**TEST INFORMATION**

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	15
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	30
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	Pass w/o adjustment

**Comments:**

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):** RON EVANS; Joe bielarz

**Signature:**



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# Certificate of Calibration

**Customer:** SUPERIOR MATERIALS 102  
 SUP1112 44922 GRAND RIVER AVE

**Certificate ID:** 105134 WATER181212122508

**Test Date:** 12/12/2018

NOVI, MI 48375

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

(\*Make: ALKON Model : COMMAND SN#: 105134 WATER Capacity: 3000 lb Graduation: 5 lb

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
12/12/2018			105134 WATER	III
SCALE LOCATION		EQUIPMENT CONDITIONS		
		Working	Clean	
<b>SELECT NUMBER OF PM DAYS:</b>		<b>CAPACITY</b>	3000 UOM lb	<b>INCREMENT</b> 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
3000	lb	3005	lb	5	lb	3000	lb	3000	lb	0	lb
0	lb	0	lb	0	lb	0	lb	0	lb	0	lb
	lb		lb		lb	1000	lb	1000	lb	0	lb
	lb		lb		lb	2000	lb	2000	lb	0	lb
	lb		lb		lb	3000	lb	3000	lb	0	lb
	lb		lb		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	
	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		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** N/A

**Customer:** SUPERIOR MATERIALS 102  
 SUP1112 44922 GRAND RIVER AVE  
 NOVI, MI 48375

**Certificate ID:** 105134 WATER181212122508  
**Test Date:** 12/12/2018  
**ISO Number:** MS-FM-CEM-001

**TEST INFORMATION**

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	3.39
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	30
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	Pass adjustment needed

**Comments:**

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):** RON EVANS; Joe bielarz



**Signature:**

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