



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

Certificate of Calibration

Customer: SUPERIOR MATERIALS 38
 SUP1193 901 S WAGNER RD

Certificate ID: 102559cem180702083403

Test Date: 07/02/2018

ANN ARBOR, MI 48103

ISO Number: MS-FM-CEM-001

(*)Make: ALKON Model : COMMAND SN#: 102559cem Capacity: 10000 lb Graduation: 5 lb

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
07/02/2018	01/01/2019	Semi-Annually	102559cem	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	lb	Reading	lb	Error	lb	Weight Applied	lb	Reading	lb	Error	lb
0	lb	0	lb	0	lb	0	lb	0	lb	0	lb
1000	lb	1000	lb	0	lb	1000	lb	1000	lb	0	lb
2000	lb	2000	lb	0	lb	2000	lb	2000	lb	0	lb
3000	lb	3005	lb	5	lb	3000	lb	3000	lb	0	lb
4000	lb	4005	lb	5	lb	4000	lb	4000	lb	0	lb
5000	lb	5010	lb	10	lb	5000	lb	4995	lb	-5	lb
6000	lb	6010	lb	10	lb	6000	lb	5995	lb	-5	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

AS LEFT BUILD TEST

Test Weight Applied	lb	Material Weight Applied	lb	Reading	lb	Error	lb
6000	lb	3500	lb	9500	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		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 38
 SUP1193 901 S WAGNER RD

Certificate ID: 102559cem180702083403

Test Date: 07/02/2018

ANN ARBOR, MI 48103

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:

Test and cal scale scale within maint tolerance

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): JOE BIELARZ;ed 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 38
 SUP1193 901 S WAGNER RD

Certificate ID: 102559agg180702083937

Test Date: 07/02/2018

ANN ARBOR, MI 48103

ISO Number: MS-FM-CEM-001

(*)Make: ALKON Model : COMMAND SN#: 102559agg Capacity: 40000 lb Graduation: 20 lb

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
07/02/2018	01/01/2019	Semi-Annually	102559agg	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
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
	lb	lb		lb	lb
	lb	lb		lb	lb

AS LEFT BUILD TEST

Test Weight Applied	Material Weight Applied	Reading	Error
0	lb 0	lb 0	lb 0
2000	lb 10000	lb 12000	lb 0
4000	lb 10000	lb 14000	lb 0
6000	lb 10000	lb 16000	lb 0
2000	lb 20000	lb 22000	lb 0
4000	lb 20000	lb 24000	lb 0
6000	lb 20000	lb 26000	lb 0
2000	lb 33000	lb 35000	lb 0
4000	lb 33000	lb 37000	lb 0
6000	lb 33000	lb 39000	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

OVERALL TEST RESULTS PASS

Customer: SUPERIOR MATERIALS 38
 SUP1193 901 S WAGNER RD

Certificate ID: 102559agg180702083937

Test Date: 07/02/2018

ANN ARBOR, MI 48103

ISO Number: MS-FM-CEM-001

TEST INFORMATION

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	15
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 within maint tolerance

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			

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