



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: 1802300105191118040819

Test Date: 11/18/2019

NOVI, MI 48375

ISO Number: MS-FM-CEM-001

(*)Make: RICELAKE Model : 920i SN#: 1802300105 Capacity: 30000 lb Graduation: 20 lb

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
11/18/2019	05/19/2020	Semi-Annually	1802300105	III
SCALE LOCATION		EQUIPMENT CONDITIONS		
		Working	Clean	
SELECT NUMBER OF PM DAYS:	CAPACITY	30000 UOM	lb	INCREMENT 20

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		lb		lb		lb
6000	lb	6000	lb	0	lb		lb		lb		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
4000	lb	4000	lb	0	lb		lb		lb		lb
5000	lb	5000	lb	0	lb		lb		lb		lb
6000	lb	6000	lb	0	lb		lb		lb		lb
0	lb	0	lb	0	lb		lb		lb		lb

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	23000	29000	0

OVERALL TEST RESULTS PASS



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Customer: SUPERIOR MATERIALS 102
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Certificate ID: 105134 AGG191118040516

Test Date: 11/18/2019

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
11/18/2019	05/19/2020	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



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Certificate of Calibration

Customer: SUPERIOR MATERIALS 102
 SUP1112 44922 GRAND RIVER AVE

Certificate ID: 105134 WATER191118040203

Test Date: 11/18/2019

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
11/18/2019	05/19/2020	Semi-Annually	105134 WATER	III
SCALE LOCATION		EQUIPMENT CONDITIONS		
		Working	Clean	
SELECT NUMBER OF PM DAYS:		CAPACITY	3000 UOM lb	INCREMENT 5

AS FOUND TEST USING TEST WEIGHTS

Weight Applied	Reading		Error	
0	lb	0	lb	0
2000	lb	2000	lb	0
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
0	lb	0	lb	0
1000	lb	1000	lb	0
2000	lb	2000	lb	0
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	
	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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	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
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Certificate ID: 105134 WATER191118040203
Test Date: 11/18/2019
ISO Number: MS-FM-CEM-001

TEST INFORMATION

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	3.39
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	44
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			
GL1517	MI-06-19-14306	6/26/2019	
6/26/2021	TRUCK 15 - 1000 LB		
GL1506	MI-03-19-14172	3/19/2019	
3/19/2021	TRUCK 15 - 1000 LB		

Technician(s): RAY MCCREARY; Ed G

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%.

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

Certificate ID: 105134 AGG191118040516
Test Date: 11/18/2019
ISO Number: MS-FM-CEM-001

TEST INFORMATION

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	15
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	44
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			
GL1517	MI-06-19-14306	6/26/2019	6/26/2021
TRUCK 15 - 1000 LB			
GL1506	MI-03-19-14172	3/19/2019	3/19/2021
TRUCK 15 - 1000 LB			
GL1505	MI-03-19-14172	3/19/2019	3/19/2021
TRUCK 15 - 1000 LB			
GL1504	MI-03-19-14172	3/19/2019	3/19/2021
TRUCK 15 - 1000 LB			
GL1503	MI-03-19-14172	3/19/2019	3/19/2021
TRUCK 15 - 1000 LB			
GL1502	MI-03-19-14172	3/19/2019	3/19/2021
TRUCK 15 - 1000 LB			

Technician(s): RAY MCCREARY; Ed G.

Signature:



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Certificate ID: 1802300105191118040819
Test Date: 11/18/2019
ISO Number: MS-FM-CEM-001

TEST INFORMATION

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	15
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	44
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	Pass w/o adjustment

Comments:

Scale on zero, load tested and sealed.

TRACEABILITY CERTIFICATE NUMBERS:			
Kit	NIST	Date	Date Due
Description			
GL1517	MI-06-19-14306	6/26/2019	6/26/2021
TRUCK 15 - 1000 LB			
GL1506	MI-03-19-14172	3/19/2019	3/19/2021
TRUCK 15 - 1000 LB			
GL1505	MI-03-19-14172	3/19/2019	3/19/2021
TRUCK 15 - 1000 LB			
GL1504	MI-03-19-14172	3/19/2019	3/19/2021
TRUCK 15 - 1000 LB			
GL1503	MI-03-19-14172	3/19/2019	3/19/2021
TRUCK 15 - 1000 LB			
GL1502	MI-03-19-14172	3/19/2019	3/19/2021
TRUCK 15 - 1000 LB			

Technician(s): RAY MCCREARY; Edward G Gorham



Signature:

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