



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

Certificate of Calibration

Customer: SUPERIOR MATERIALS 2
SUP1048 20565 HOOVER

Certificate ID: 72113-a190816115928

Test Date: 08/16/2019

DETROIT, MI

ISO Number: MS-FM-CEM-001

(*)Make: ALKON Model : COMMAND SN#: 72113-a Capacity: 10000 LB Graduation: 5 LB

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
08/16/2019	02/15/2020	Semi-Annually	72113-a	III
SCALE LOCATION		EQUIPMENT CONDITIONS		
		Working	Clean	
SELECT NUMBER OF PM DAYS:		CAPACITY	10000 UOM	LB INCREMENT 5

AS FOUND TEST USING TEST WEIGHTS

Weight Applied	Reading	Error
0	LB 0	LB 0
6000	LB 5985	LB -15
0	LB 0	LB 0
	LB	LB
	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
	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

OVERALL TEST RESULTS N/A



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Certificate ID: 72113-b190816120413

Test Date: 08/16/2019

DETROIT, MI

ISO Number: MS-FM-CEM-001

(*)Make: ALKON Model : COMMAND SN#: 72113-b Capacity: 40000 LB Graduation: 40 LB

CALIBRATION DATE	DUE DATE	TEST INTERVAL	SCALE ID	SCALE CLASS
08/16/2019	02/15/2020	Semi-Annually	72113-b	III L
SCALE LOCATION		EQUIPMENT CONDITIONS		
		Working	Clean	
SELECT NUMBER OF PM DAYS:		CAPACITY	40000 UOM	LB INCREMENT 40

AS FOUND 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 TEST USING TEST WEIGHTS

Weight Applied	Reading	Error
	LB	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
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 30000	LB 32000	LB 0
4000	LB 30000	LB 34000	LB 0
6000	LB 30000	LB 36000	LB 0
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB
	LB	LB	LB

OVERALL TEST RESULTS PASS



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DETROIT, MI

Certificate ID: 72113-b190816120413

Test Date: 08/16/2019

ISO Number: MS-FM-CEM-001

TEST INFORMATION

TEST WEIGHT CLASSIFICATION	EXPANDED UNCERTAINTY
F	27
ENVIRONMENTAL CONDITIONS	TEMPERATURE
Acceptable	80
WAS THE SCALE WITHIN CUSTOMERS REQUIRED ACCURACY?	
Yes	
TEST LOCATION	OVERALL RESULT
Onsite	Pass w/o adjustment

Comments:

Scale on zero load tested, build tested and sealed.

TRACEABILITY CERTIFICATE NUMBERS:

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

Technician(s): ED GORHAM;CAL

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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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:

Scale on zero load tested, calibrated, retested and sealed.

TRACEABILITY CERTIFICATE NUMBERS:

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

Technician(s): ED GORHAM; CAL

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%.