

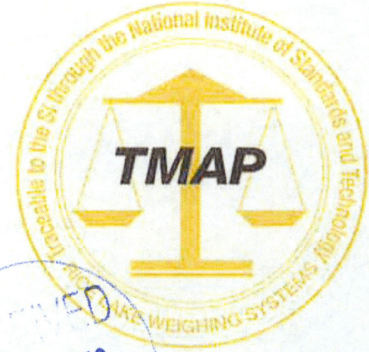
Traceable Certificate Number: 2686339A
Contractor: KENNEDY SCALES INC
 11485 XEON ST NW
 COON RAPIDS, MN 55448

Purchase Order Number: 7129-SVC
Client: KENNEDY SCALES INC
 11485 XEON ST NW
 COON RAPIDS, MN 55448

Date Received: 27 Dec 2017
Date Calibrated: 29 Dec 2017 to 03 Jan 2018
Recall Date: 31 Dec 2018
Temperature Range: 21.06 °C to 21.27 °C
Pressure Range: 731.45 mmHg to 738.22 mmHg
Relative Humidity Range: 46 % to 58 %
Air Density Range: 1.1496 mg/cm³ to 1.1593 mg/cm³
NIST Certificate Number: 684/286541-15 & 684/285268-14

Although there are two NIST numbers, one or both may apply

Calibrated By: 03, 17, 24
Procedure: Inter-comparison Method (WI05-0095)
Condition of Weights: Acceptable for Calibration
Description of Weights: 10 mg to 5 kg Polished Weight Kit, ASTM Class 1, S/N M12



BOM 1/8/18



Nominal Value	ID or S/N	As Found			As Left			Unc. (mg)	k	MPE* (mg)	Balance Used	Standard Set Used	Assumed Density (g/cm ³)
		Conv. Mass	Conv. Mass Corr (mg)	MPE Pass	Conv. Mass	Conv. Mass Corr (mg)	MPE Pass						
10 mg	M12	10.00324	0.00324	Y	10.00324	0.00324	Y	0.00087	2	0.010	650Q	L595Q	7.95
500 mg	M12	499.9974	-0.0026	Y	499.9974	-0.0026	Y	0.0010	2	0.010	650Q	L595Q	7.95
1 g	M12	1.0000114	0.0114	Y	1.0000114	0.0114	Y	0.0012	2	0.034	650Q	L595Q	7.95
2 g	M12	2.0000233	0.0233	Y	2.0000233	0.0233	Y	0.0016	2	0.034	650Q	L595Q	7.95
2 g	M12.	2.0000063	0.0063	Y	2.0000063	0.0063	Y	0.0016	2	0.034	650Q	L595Q	7.95
5 g	M12	5.0000107	0.0107	Y	5.0000107	0.0107	Y	0.0036	2	0.034	650Q	L595Q	7.95
10 g	M12	10.0000112	0.0112	Y	10.0000112	0.0112	Y	0.0066	2	0.050	1470Q	L595Q	7.95
20 g	M12	20.0000096	0.0096	Y	20.0000096	0.0096	Y	0.0063	2	0.074	1470Q	L595Q	7.95
20 g	M12.	19.9999846	-0.0154	Y	19.9999846	-0.0154	Y	0.0063	2	0.074	1470Q	L595Q	7.95
50 g	M12	50.0000025	0.025	Y	50.0000025	0.025	Y	0.011	2	0.12	1470Q	L595Q	7.95
100 g	M12	99.999899	-0.101	Y	99.999899	-0.101	Y	0.020	2	0.25	1470Q	L595Q	7.95
200 g	M12	200.000302	0.302	Y	200.000302	0.302	Y	0.030	2	0.50	699Q	L595Q	7.95
200 g	M12.	200.000162	0.162	Y	200.000162	0.162	Y	0.030	2	0.50	699Q	L595Q	7.95
500 g	M12	500.000386	0.386	Y	500.000386	0.386	Y	0.060	2	1.2	699Q	L595Q	7.95
1 kg	M12	1.000000720	0.720	Y	1.000000720	0.720	Y	0.096	2	2.5	699Q	L595Q	7.95
2 kg	M12	2.00000216	2.16	Y	2.00000216	2.16	Y	0.27	2	5.0	208Q	L595Q	7.95
2 kg	M12.	2.00000144	1.44	Y	2.00000144	1.44	Y	0.27	2	5.0	208Q	L595Q	7.95
5 kg	M12	5.00000525	5.25	Y	5.00000525	5.25	Y	0.79	2	12	208Q	L595Q	7.95
5 kg	M12.	5.00000474	4.74	Y	5.00000474	4.74	Y	0.79	2	12	208Q	L595Q	7.95

This report contains data not covered by the NVLAP Accreditation if the box is checked.

Check with your local state agency for certification of compliance on Legal for Trade items. *The weight accuracy class is referenced in the Description of Weights. Unless otherwise noted, the weights calibrated meet the requirements of the accuracy class. The Uncertainty of Measurement is included in the determination of Maximum Permissible Error (MPE) Pass/Fail Criteria. The specifications for Maximum Permissible Error (MPE) can be found in NIST Handbook 105-1 (1990), ASTM E617-13 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

Prepared By: Rice Lake Weighing Systems
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 Definitions: <http://certs.ricelake.com/certs/DefinitionsV2.docx>

Dated 05 Jan 2018

Debbie Schieff
 Deb Schieffer, Lab Supervisor



The Uncertainty assigned to the Conventional Mass values are the result of the root-sum-square of the type A and type B components, calculated in accordance with NIST SOP 29 and ISO GUM, with a coverage factor (k), to express the expanded uncertainty with an approximate 95.45 % confidence level. This Report is not to be used to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the U.S. Government. This document shall not be reproduced, except in full, without the written approval of Rice Lake Weighing Systems' Metrology Laboratory.