RICE LAKE Certificate of Weight Calibration

ANSI/NCSL Z540-1-1994; Part 1 & ISO/IEC 17025:2005 Accredited

Traceable Certificate Number: 2818903
Contractor: KOENIG SCALE
4779 E MARGARET DR
TERRE HAUTE, IN 47803-9303

Purchase Order Number: 20505
Client: KOENIG SCALE
4779 E MARGARET DR
TERRE HAUTE, IN 47803-9303

Date Received: 19 Oct 2018
Date Calibrated: 23 Oct 2018
Recall Date: 23 Oct 2019
Temperature Range: 21.62 °C
Pressure Range: 740.01 mmHg
Relative Humidity Range: 46 %
Air Density Range: 1.1611 mg/cm^3
NIST Certificate Number: 684/286541-15 & 684/290551-18
Although there are two NIST numbers, one or both may apply
Calibrated By: 05
Procedure: Inter-comparison Method (WI05-0095)
Condition of Weights: Acceptable for Calibration
Description of Weights: 50 lb Satin Finish Grip Handle Weight, ASTM Class 1, S/N 14ZX

Traceable to the SI through the National Institute of Standards and Technology — TMAP — RICE LAKE WEIGHING SYSTEMS

✱ Although this test weight has been tested for the tolerance of the class for which it was submitted, it does not meet the finish requirements for that class

		As Found			As Left								
Nominal Value	ID or S/N	Conv. Mass	Conv. Mass Corr (mg)	MPE Pass	Conv. Mass	Conv. Mass Corr (mg)	MPE Pass	Unc. (mg)	*k*	MPE* (mg)	Balance Used	Standard Set Used	Assumed Density (g/cm^3)
50 lb	14ZX ✱	49.999990	-5	Y	**49.999990**	**-5**	Y	13	2	57	1771Q	N568Q	7.84

☐ 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
230 West Coleman Street, Rice Lake, WI 54868 • USA • PN 64787 • 3/18
TEL: 715-234-9171 • FAX: 715-234-6967 • **www.ricelake.com**
Definitions: http://certs.ricelake.com/certs/DefinitionsV2.docx

Dated 23 Oct 2018

Dan Demers, Metrologist

NVLAP CALIBRATION NVLAP LAB CODE 105001-0 — ilac-MRA

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, A2LA or any agency of the U.S. Government.

ilac-MRA — ACCREDITED Certificate #4380.01

Chris Crawford 11/26/2018