

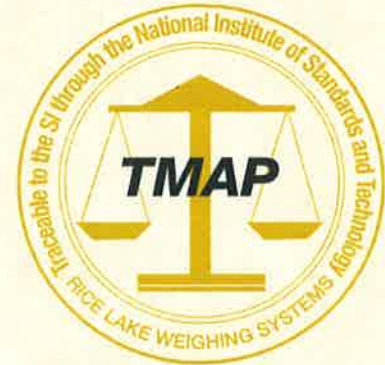
# Certificate of Weight Calibration

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

**Traceable Certificate Number:** 2652076  
**Contractor:** KOENIG SCALE  
 4779 E MARGARET DR  
 TERRE HAUTE, IN 47803-9303

**Purchase Order Number:** 20204  
**Client:** KOENIG SCALE  
 4779 E MARGARET DR  
 TERRE HAUTE, IN 47803-9303

**Date Received:** 02 Oct 2017  
**Date Calibrated:** 06 Oct 2017  
**Recall Date:** 06 Oct 2018  
**Temperature Range:** 21.29 °C  
**Pressure Range:** 732.45 mmHg  
**Relative Humidity Range:** 53.48 %  
**Air Density Range:** 1.1497 mg/cm<sup>3</sup>  
**NIST Certificate Number:** 684/286541-15 & 684/284451-14



\* 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

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

Nominal Value	ID or S/N	As Found			As Left			Unc. (mg)	k	MPE* (mg)	Balance Used	Standard Set Used	Assumed Density (g/cm <sup>3</sup> )
		Conv. Mass	Conv. Mass Corr (mg)	MPE Pass	Conv. Mass	Conv. Mass Corr (mg)	MPE Pass						
50 lb 14ZX *		50.000009		4 Y	50.000009		4 Y	12	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 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 06 Oct 2017**

*Dan Demers*  
 Dan Demers, Metrologist



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.

10/18/2017

*Chris D. Bradford*