

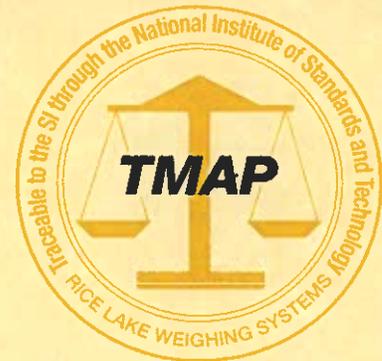
**Traceable Certificate Number:** 2872232  
**Contractor:** ULINE  
 12575 ULINE DR  
 PLEASANT PRAIRIE, WI 53158

**Purchase Order Number:** 7173519  
**Client:** LMI CORP  
 101 N ALLOY DR  
 810-714-5811  
 FENTON, MI 48430

**Date Received:** 27 Feb 2019  
**Date Calibrated:** 04 Mar 2019  
**Recall Date:** 04 Mar 2020  
**Temperature Range:** 21.69 °C  
**Pressure Range:** 733.35 mmHg  
**Relative Humidity Range:** 50 %  
**Air Density Range:** 1.1498 mg/cm<sup>3</sup>  
**NIST Certificate Number:** 684/286541-15

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

**Calibrated By:** 22  
**Procedure:** Inter-comparison Method (WI05-0023)  
**Condition of Weights:** New  
**Description of Weights:** 5 kg Satin Finish Weight, NIST Class F, S/N 813X



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						
5 kg	813X	5.000144	144	Y	5.000144	144	Y	59	2	500	1808Q	D563Q	7.84

ID: LMI CORPORATION - 813X  
 Desc: 5KG Weight  
 By: RICE LAKE WEIGHING SYSTEMS  
 Done: 3/7/2019 Due: 3/7/2024

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](http://www.ricelake.com)  
 Definitions: <http://certs.ricelake.com/certs/DefinitionsV2.docx>

Dated 04 Mar 2019

*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, A2LA 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.

