# RICE LAKE Certificate of Weight Calibration

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

**Traceable Certificate Number:** 2943414B
**Contractor:** ADVANCED SCALE INC
13 DELTA DR UNIT 6
LONDONDERRY, NH 03053

**Purchase Order Number:** 9064
**Client:** ADVANCED SCALE INC
13 DELTA DR UNIT 6
LONDONDERRY, NH 03053

**Date Received:** 21 Aug 2019
**Date Calibrated:** 22 Aug 2019
**Recall Date:** 22 Aug 2020
**Temperature Range:** 21.05 °C
**Pressure Range:** 733.67 mmHg to 733.68 mmHg
**Relative Humidity Range:** 46 % to 50 %
**Air Density Range:** 1.1531 mg/cm$^3$ to 1.1535 mg/cm$^3$
**NIST Certificate Number:** 684/291344-18 & 684/292805-19
If there are two NIST numbers, one or both may apply
**Calibrated By:** 17
**Procedure:** Inter-comparison Method (WI05-0095 Rev. C)
**Condition of Weights:** Acceptable for Calibration
**Description of Weights:** 2 - 200 g Polished Weights, ASTM Class 1

| Nominal Value | ID or S/N | As Found Conv. Mass | As Found Conv. Mass Corr (mg) | As Found MPE Pass | As Left Conv. Mass | As Left Conv. Mass Corr (mg) | As Left MPE Pass | Unc. (mg) | k | MPE* (mg) | Balance Used | Standard Set Used | Assumed Density (g/cm$^3$) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 200 g | 69M8 | 200.000151 | 0.151 | Y | **200.000151** | **0.151** | Y | 0.047 | 2 | 0.50 | 699Q | L595Q | 7.95 |
| 200 g | 69M9. | 200.000154 | 0.154 | Y | **200.000154** | **0.154** | Y | 0.047 | 2 | 0.50 | 699Q | 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. Results relate only to weights calibrated. 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 (2019), NIST Handbook 105-1 (1990), ASTM E617-18 or OIML R111-1 (2004), manufacturer specifications or customer specifications.

Prepared By:
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Definitions: http://certs.ricelake.com/certs/DefinitionsV2.docx

Dated 22 Aug 2019

Dan Demers, Metrologist



NVLAP CALIBRATION NVLAP LAB CODE 100001-0 ilac-MRA



ilac-MRA A2LA ACCREDITED Certificate #4063.01