

TMAP Traceable Report

A customer requesting a TMAP Traceable Certificate, needs proof of traceability to NIST, actual mass values and uncertainties. Comparisons must be made between the item being tested and a known standard being used. The laboratory performing the testing must verify that the proper procedures and standards are being used so that the uncertainties are suitable for the test that is required. The known standard and procedure used for the tolerance test is essential to the traceable document.

Prior to the comparison between the known standard and the item(s) submitted for test, the known standard must be sufficiently tested over time to produce predictable measurements. Also, the procedure used to do the comparison must be accurate enough so the uncertainty of the measurement is small enough to generate a valid report.

This report should contain all of the data related to the tolerance test. After testing, a TMAP Traceable Certificate is issued and will include:

- 1 Name and address of the calibration laboratory
- 2 Identification of the calibrated item and serial number, if applicable
- 3 Nominal mass value
- 4 As found condition of the weight
- 5 As left condition of the weight
- 6 Tolerance for the specific class
- 7 A statement of the estimated value of uncertainty¹
- 8 Your Traceable Report Number
- 9 NIST Certificate number
- 10 Environmental condition at time of test
- 11 Procedure used

In addition, our NVLAP-accredited lab will also include:

- 12 The NVLAP official logo will be displayed when the documentation meets the scope of accreditation under Lab Code 105001
- 13 Record of the weighing equipment
- 14 Calibration and due date of RLWS standards. This represents the date that the RLWS standard is due for recalibration. This RLWS standard was used to check the performance of your weight. This date in no way reflects an expiration date of the certificate, nor does it infer or specify a recall date. The expiration of the certificate and the specification of a recall date are user assigned responsibilities under NIST H150-1
- 15 Assumed density of the weights being tested
- 16 Contractor name and address
- 17 Client name and address

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

TMAP Traceable Calibration REPORT

Contractor: **16** Rice Lake Weighing Systems
230 W Coleman St
Rice Lake, WI 54968

Purchase Order #: 052208-02
Client: **17** Rice Lake Weighing Systems
Address: 230 W Coleman St

City & State: Rice Lake, WI 54968
Date Received: 22 MAY 2008
Date Calibrated: 28 MAY 2008
Temperature Range: 21.85 to 22.21 °C
Pressure Range: 740.8 to 741.1 mmHg
Relative Humidity Range: **10** 50 to 53 %
Air Density: **8** 1.1589 to 1.1608 mg/cm³
Traceable Report #: **8** SAMPLEII
NIST Certificate #: **9** 822/272801-06
Tested By: **11** 21
Procedure: Mass Dissemination (reference HB 952)

Primary Standard Calibration Date: 11/03/06 Due: 11/03/10
Description of Weights: **2** 100mg-10g Polished Weight Kit, Class *1*, S/N 5888

3	Nominal Value	id.	Conventional Mass Corr.		7	6	13	Standard Set Used	14	15
			As Found (mg)	As Left (mg)						
	100 mg		0.0064	4 0.0064	0.0021	0.010	650Q	T535Q	05-08-08/08-08-08	7.95
	500 mg		0.0020	5 0.0020	0.0018	0.010	650Q	T535Q	05-08-08/08-08-08	7.95
	1 g		0.0150	5 0.0150	0.0032	0.034	650Q	T535Q	05-08-08/08-08-08	7.95
	10 g		0.026	5 0.026	0.012	0.050	1180Q	T535Q	05-08-08/08-08-08	7.95

1 Uncertainties apply to As Left values only
 This report contains data not covered by the NVLAP Accreditation if the box is checked.

Prepared By: **1** RICE LAKE WEIGHING SYSTEMS
230 West Coleman Street
Rice Lake, WI 54968 • USA
TEL: 715-234-9171 • FAX: 715-234-6967

12 NVLAP Lab Code 105001

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¹ A reported value without all required parameters cannot be used in any link of traceability. Therefore, a traceable report without an uncertainty statement is useless.

To place an order call **800-472-6703** or visit **ricelake.com/precision**

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