# SOUTHWEST RESEARCH INSTITUTE®

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Institute Calibration Laboratory
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## Certificate of Calibration

ACCREDITED
Calibration Laboratory
Certificate #0972-01

**Submitted By:** DIV20
**Address:** B57
**Contact:** DON BANNON
**Manufacturer / Model:** TROEMNER / 1G
**Description:** WEIGHT, CLASS 2
**Serial No:** 66665
**Asset No:** 011115
**Procedure:** WEIGHTS - 4 JAN, 2007

**Work Order:** 303073850
**Date Issued:** Apr 6, 2007
**Calibration Date:** Apr 6, 2007
***Calibration Due:** Oct 6, 2007
**Calibration Location:** Bldg. 64
**Environment:** Temp. 68.0°F Hum. 40 %RH
****Data Type:** FOUND-LEFT
**DivID/Location:** N/A

This certificate documents traceability to the National Institute of Standards and Technology (NIST) and the International System of Units (SI). The Laboratory quality system conforms to ISO/IEC 17025, 2005, ANSI/NCSL Z540-1-1994 and relevant requirements of the ISO 9000-2000 standard. This certificate shall not be reproduced, except in full, without the written approval of the Southwest Research Institute Calibration Laboratory. This certificate shall not be used to claim product endorsement by Southwest Research Institute, American Association for Laboratory Accreditation (A2LA) or any agency of the U. S. Government. Results of this calibration relate only to the instrument described above at the time of calibration and does not imply any long term stability of the instrument.

*Determined by the customer, does not imply the instrument will remain within tolerance as any number of factors may cause an out-of-tolerance condition before this date. **Found/Left = adjustment and/or repair was not required, As Left = adjusted and/or repaired was required. The client has sole responsibility for determination of in-/out-of-tolerance or compliance/noncompliance. See Remarks or attached Measurement Report with the same Work Order number for data.

Reported uncertainty calculated in accordance with the ISO "Guide to the Expression of Uncertainty in Measurement" (GUM) and represents an expanded uncertainty with a coverage factor of k=2 to approximate a 95% confidence level.

**Remarks:** THE CONVENTIONAL MASS VALUE OF THE 1G WEIGHT IS: 1000.007 4mg UNC +/-0.004 1mg. CLASS 2 TOL +/-0.054mg.

### Standards Used

| Asset No. | Serial No. | Manufacturer | Model | Description | Cal Due |
|---|---|---|---|---|---|
| 007102 | 18043 | TROEMNER | 1MG TO 100G | WEIGHT SET, CLASS E1 | Dec 06, 07 |
| 012067 | 14311098 | SARTORIUS | CC6 | MASS COMPARATOR | Aug 12, 07 |

Reviewed by: ( ) wgh ( ) srk (✓) jrg ( ) blt ( ) pwd
Metrology Technician

Measurements by: Mark Romero
Metrology Technician

m:\a2la1.rpt Rev date August 15, 2005