



SOUTHWEST RESEARCH INSTITUTE®

6220 Culebra Road, P.O. Drawer 28510
Institute Quality Systems
Institute Calibration Laboratory
Phone: 210-522-5215 Fax 210-522-4834



Calibration Laboratory
Certificate #0972-01

Certificate of Calibration

Cost Center: DIV20

Mail Stop: B51

Customer: DON BANNON

Manufacturer/Model: TROEMNER / 1G

Description: WEIGHT, CLASS 2

Serial Number: 66665

Asset Number: 011115

Procedure: WEIGHTS - 10 DEC 07

Work Order: 303083915

Date Issued: 17-Oct-2008

Date Calibrated: 17-Oct-2008

***Date Due :** 17-Apr-09

****Results:** FOUND-LEFT

Temperature: 68°F

Humidity: 42 %

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 customer 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: 1000.004 5mg UNC +/-0.003 9mg. CLASS 2 TOL +/-0.054mg.

Standards Used

<u>Asset #</u>	<u>Manufacturer</u>	<u>Model</u>	<u>Description</u>	<u>Cal Date</u>	<u>Due Date</u>
007102	TROEMNER	IMG TO 100G	WEIGHT SET, CLASS E1	3-Dec-2007	3-Dec-2008
012067	SARTORIUS	CC6	MASS COMPARATOR	29-Jul-2008	29-Jan-2009

Reviewed By: (✓) srk () mar () wgh

Laboratory Quality Manager

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Calibrated By: MARK ANTHONY ROMERO

Metrology Technician