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Weight Density

Certificate Number 9000000-1

Date of Calibration 01-JAN-2003

SECTION 1: NAME AND ADDRESS OF CUSTOMER

End User

Henry Troemner LLC
201 Wolf Drive
Thorofare, NJ 08086

Client

Henry Troemner LLC
201 Wolf Drive
Thorofare, NJ 08086

SECTION 2: APPROVED SIGNATORY

Joseph Moran

SECTION 3: PERSON PERFORMING WORK

Katharine Ellison

SECTION 4: CERTIFICATE INFORMATION

Description of Masses: Troemner 1kg - 100g - 10g Weights

Order Number : 123456
Construction : One Piece
Material : Stainless Steel

Date Received : 01-JAN-2003
Date of Calibration : 01-JAN-2003
Date of Issue : 01-JAN-2003
Weight Range : 1kg, 100g & 10g

SECTION 5: ENVIRONMENTAL CONDITIONS DURING TEST

Temperature: 20.17°C

Pressure: 767.23

Relative Humidity: 45%

SECTION 6: PERTINENT INFORMATION

Reference standards and balances used to perform the calibration are listed in Section 8.

The weights calibrated for this report have been calibrated in accordance with Troemner's calibration procedure.

This calibration also meets specifications as outlined in ISO 9001, ISO/IEC 17025, ANSI/NCSL Z540-1-1994, NCR Document 10CFR50 Appendix B, and applicable documents.

Calibration Certificate

201 Wolf Drive • P.O. Box 87 • Thorofare, NJ 08086-0087 • Phone:856-686-1600 • Fax:856-686-1601 • www.troemner.com • e-mail: troemner@troemner.com

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SECTION 7: DENSITY CALIBRATION DATA

Nominal Value	Density of Weight (g/cm ³)	Uncertainty (g/cm ³)
1kg	7.8844	0.0024
100g	7.8955	0.0031
10g	7.9599	0.0066

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SECTION 8: DENSITY CALIBRATION PROCEDURE DATA

Nominal Value	Standard Set No.	Balance Used	Procedure Used
1kg	D1	PM5003	CAL-DENSITY
100g	D1	AG245	CAL-DENSITY
10g	D1	AG245	CAL-DENSITY

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SECTION 9: GENERAL INFORMATION

This density calibration was performed in Troemner's Density Laboratory at 201 Wolf Drive, Thorofare, NJ 08086 unless otherwise noted on page one. The Weights listed on this calibration report have been compared to reference density standards that are indirectly traceable to the National Institute of Standards and Technology through the Minnesota Department of Public Service Weights and Measures Metrology Laboratory State test No. 301161 and 302889.

SECTION 10: DEFINITIONS AND TERMS

NOMINAL MASS - The mass value as marked on the weight.

UNCERTAINTY - The error in assignment of the density due to the measurement process. Uncertainty is calculated per NIST Technical Note 1297 using a coverage factor of $k = 2$ ($k = 2$ defines an interval having a level of confidence of approximately 95 percent).