

## Scope of Accreditation For Caley & Whitmore Corp.

18 Highland Avenue  
Somerville, MA 02143  
William Mueller  
617-623-7430

In recognition of a successful assessment to ISO/IEC 17025:2005, accreditation is granted to **Caley & Whitmore Corp.** to perform the following Calibrations:

Accreditation granted through: **December 15, 2009**

### Calibration

#### Mass – Scale and Balances

Calibration Parameter/Equipment <sup>1</sup>	Range	Best Measurement Capability(+/-) <sup>2</sup>	Remarks
Analytical Balances (0.1 mg Resolution)	0 g to 200 g	0.31 mg	Class 1 weights in accordance with ASTM E617
Balances (1 mg Resolution)	0 mg to 10 kg	3.65 mg	
Scales (1g Resolution)	0 g to 200 kg	5.46 g	Class F weights in accordance with NIST 105-1
Scales (1g Resolution)	200 kg to 400 kg	6.82 g	

#### Electricity and Magnetism – Electrical Temperature Simulation

Calibration Parameter/Equipment <sup>1</sup>	Range	Best Measurement Capability(+/-) <sup>2</sup>	Remarks
Thermocouple Simulation Type J	-210 °C to -180 °C	0.86 °C	Thermocouple Calibrator
	-180 °C to -50 °C	0.86 °C	
	50 °C to 500 °C	0.86 °C	
	500 °C to 1200 °C	0.86 °C	
Type K	-230 °C to -100 °C	0.76 °C	Thermocouple Calibrator
	-100 °C to 1050 °C	0.76 °C	
	1050 °C to 1371 °C	0.76 °C	

<b>Calibration Parameter/Equipment <sup>1</sup></b>	<b>Range</b>	<b>Best Measurement Capability(+/-) <sup>2</sup></b>	<b>Remarks</b>
Type T	-260 °C to -200 °C -200 °C to -50 °C 50 °C to 0 °C 0 °C to 400 °C	0.3 °C 0.3 °C 0.3 °C 0.3 °C	Thermocouple Calibrator

Notes:

- 1) Laboratory offers calibration services at the laboratory's own facilities and at the client or other agreed upon facilities.
- 2) Best uncertainties, expressed as a percentage reading, represent expanded uncertainties at approximately the 95% confidence level using a coverage factor of k=2



Approved by: \_\_\_\_\_  
R. Douglas Leonard Jr.  
Chief Technical Officer

Date: March 24, 2009