

# Scope of Accreditation For Caley & Whitmore Corporation

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

Accreditation granted through: **December 15, 2012**

## Calibration

### Mass – Scales and Balances

Calibration Parameter/Equipment <sup>1</sup>	Range	Calibration and Measurement Capability(+/-)	Remarks
Analytical Balances (0.01 mg Resolution)	(0 to 30) g	0.03 mg	Class 1 Weights in accordance with ASTM E617
Analytical Balances (0.1 mg Resolution)	(0 to 200) g	0.26 mg	
Balances (1 mg Resolution)	(0 to 10) kg	2.9 mg	
Scales (1 lb Resolution)	(0 to 400) lb	2 lb	Class F Weights in accordance with NIST 105-1

### Electrical – Voltage

Calibration Parameter/Equipment <sup>1</sup>	Range	Calibration and Measurement Capability(+/-)	Remarks
Type K	(-230 to -100) °C	0.78 °C	Thermocouple Calibrator
	(-100 to 1 050) °C	0.4 °C	
	(1 050 to 1 371) °C	0.55 °C	
Type T	(-260 to -200) °C	1.32 °C	
	(-200 to -50) °C	0.64 °C	
	(-50 to 0) °C	0.36 °C	
	(0 to 400) °C	0.63 °C	

**Thermodynamic – Thermometers and Probes**

<b>Calibration Parameter/Equipment <sup>1</sup></b>	<b>Range</b>	<b>Calibration and Measurement Capability(+/-)</b>	<b>Remarks</b>
Type K	(-100 to 600) °C	0.98 °C	Fluke 51/52
Type T	(-200 to -50) °C	1 °C	
	(-50 to 0) °C	1 °C	
	(0 to 400) °C	1.5 °C	

Calibration and Measurement Capability (CMC) represents expanded uncertainties at approximately a 95% confidence level using a coverage factor of k=2.

Notes:

- 1) Laboratory offers calibration services at the laboratory's own facilities and at the client or other agreed upon facilities.



Approved by:   
 R. Douglas Leonard  
 Chief Technical Officer

Date: April 1, 2011