

Scope of Accreditation For Caley & Whitmore Corp.

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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, 2012**

Calibration

Mass – Scale and Balances

Calibration Parameter/Equipment ¹	Range	Calibration and Measurement Capability(+/-) ²	Remarks
Analytical Balances (0.1 mg Resolution)	0 g to 200 g	0.33 mg	Class 1 weights in accordance with ASTM E617
Balances (1 mg Resolution)	0 mg to 10 kg	2.93 mg	
Scales (1g Resolution)	0 g to 200 kg	3.33 g	Class F weights in accordance with NIST 105-1
Scales (1g Resolution)	200 kg to 400 kg	5.48 g	

Electricity and Magnetism – Electrical Temperature Simulation

Calibration Parameter/Equipment ¹	Range	Calibration and Measurement Capability(+/-) ²	Remarks
Thermocouple Simulation Type J	-210 °C to -180 °C	0.36 °C	Thermocouple Calibrator
	-180 °C to -50 °C	0.28 °C	
	-50 °C to 500 °C	0.26 °C	
	500 °C to 1200 °C	0.32 °C	
Type K	-230 °C to -100 °C	0.64 °C	Thermocouple Calibrator
	-100 °C to 1050 °C	0.32 °C	
	1050 °C to 1371 °C	0.4 °C	

Calibration Parameter/Equipment ¹	Range	Calibration and Measurement Capability(+/-) ²	Remarks
Type T	-260 °C to -200 °C -200 °C to -50 °C -50 °C to 0 °C 0 °C to 400 °C	1.02 °C 0.53 °C 0.27 °C 0.21 °C	Thermocouple Calibrator

Thermodynamic - Thermocouples

Calibration Parameter/Equipment ¹	Range	Calibration and Measurement Capability(+/-) ²	Remarks
Thermocouple Calibration Type J	-180 °C to -50 °C -50 °C to 500 °C 500 °C to 1200 °C	0.54 °C 0.46 °C 0.78 °C	Fluke 51/52
Type K	-100 °C to 1050 °C	0.6 °C	
Type T	-200 °C to -50 °C -50 °C to 0 °C 0 °C to 400 °C	0.72 °C 0.4 °C 0.44 °C	

Notes:

- 1) Laboratory offers calibration services at the laboratory's own facilities and at the client or other agreed upon facilities.
- 2) Calibration and Measurement Capability represents 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: February 10, 2010

Reissued: 12/15/09

Revised: 2/10/10