



# Laboratory Accreditation Bureau

## Certificate of Accreditation

**ISO/IEC 17025:2005**

**Certificate Number L2090-1**

**Tru-Cal, Inc.  
207 Ash Run Road  
Louisville, KY 40245**

has met the requirements set forth in L-A-B's policies and procedures, and all requirements of ISO/IEC 17025:2005 "General Requirements for the competence of Testing and Calibration Laboratories." This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated January 2009).

**Accreditation valid through May 12, 2013**

**R. Douglas Leonard, Jr., Managing Director  
Laboratory Accreditation Bureau  
Presented the 28<sup>th</sup> of July 2010**

**\*Laboratory Accreditation Bureau is found to be in compliance with ISO/IEC 17011:2004 and recognized by ILAC (International Laboratory Accreditation Cooperation) and NACLA (National Cooperation for Laboratory Accreditation).**

## Scope of Accreditation For Tru-Cal, Inc.

207 Ash Run Road  
Louisville, KY 40245  
Nathan Wright  
(877) TRU-CAL-2

In recognition of a successful assessment to ISO/IEC 17025:2005, accreditation is granted to **Tru-Cal, Inc.** to perform the following **Calibrations**:

Accreditation granted through: **May 12, 2013**

### Calibration

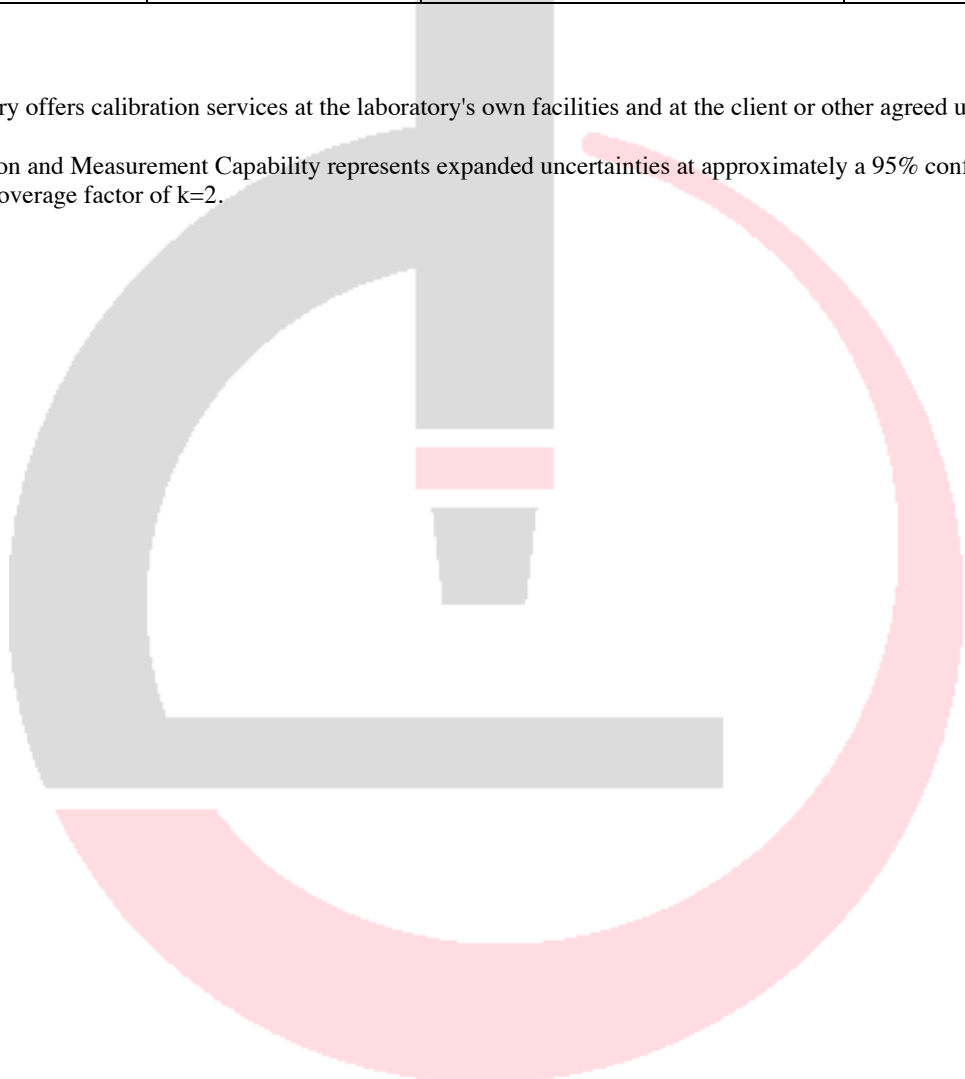
#### Electricity and Magnetism – Electrical Temperature Simulation<sup>1</sup>

Calibration Parameter/Equipment	Range	Calibration and Measurement Capability(+/-) <sup>2</sup>	Remarks
Simulation Temperature	(-346 to -292) °F	0.9 °F	Calibrations performed with a Universal Thermocouple Calibrator or equivalent and electronic thermometer
Type J	(-292 to -58) °F	0.8 °F	
	(-58 to 932) °F	0.7 °F	
	(932 to 2192) °F	0.8 °F	
Type K	(-382 to -148) °F	1.4 °F	
	(-148 to 1922) °F	0.8 °F	
	(1922 to 2500) °F	0.9 °F	
Type R	(-1 to 482) °F	2.6 °F	
	(482 to 1382) °F	1.4 °F	
	(1382 to 2912) °F	1.2 °F	
	(2912 to 3214) °F	1.4 °F	
Type S	(-1 to 212) °F	2.5 °F	
	(212 to 752) °F	1.8 °F	
	(752 to 3092) °F	1.4 °F	
	(3092 to 3214) °F	1.7 °F	
Type N	(-382 to -292) °F	2.2 °F	
	(-292 to -58) °F	1.3 °F	
	(-58 to 2012) °F	0.8 °F	
	(2012 to 2372) °F	0.9 °F	

Calibration Parameter/Equipment	Range	Calibration and Measurement Capability(+/-) <sup>2</sup>	Remarks
Type T	(-436 to -328) °F (-328 to -58) °F (-58 to 32) °F (32 to 752) °F	2.2 °F 1.3 °F 0.8 °F 0.7 °F	Calibrations performed with a Universal Thermocouple Calibrator or equivalent and electronic thermometer

**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 a 95% confidence level using a coverage factor of k=2.



Approved by:  Date: July 20, 2010  
R. Douglas Leonard  
Chief Technical Officer