



# Laboratory Accreditation Bureau

## Certificate of Accreditation

ISO/IEC 17025:2005

Certificate Number L2090-1

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Tru-Cal, Inc.

207 Ash Run Road, Louisville, KY 40245

has been accredited for technical competence in the major fields and related disciplines on the approved scope of accreditation. They have 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."

Accreditation effective May 12, 2007 and valid through May 12, 2010

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**R. Douglas Leonard, Jr., Managing Director  
Laboratory Accreditation Bureau**

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

207 Ash Run Road  
Louisville, KY 40245  
Nathan Wright  
317-402-0021

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, 2010**

### Calibration

#### Electricity and Magnetism – Electrical Temperature Simulation

Calibration Parameter/Equipment	Range	Best Measurement Capability(+/-) <sup>2</sup>	Remarks
Thermocouple Temperature Calibrator Type J	-346 °F to -292 °F -292 °F to 58 °F -58 °F to 932 °F 932 °F to 2192 °F	1.7 °F 1.7 °F 1.6 °F 1.7 °F	Calibrations performed with a Universal Thermocouple Calibrator or equivalent and electronic thermometer
Type K	-382 °F to -148 °F -148 °F to 1922 °F 1922 °F to 2500 °F	2 °F 1.6 °F 1.6 °F	
Type R	-1 °F to 482 °F 482 °F to 1382 °F 1382 °F to 2912 °F 2912 °F to 3214 °F	2.6 °F 1.3 °F 1.1 °F 1.3 °F	

Calibration Parameter/Equipment	Range	Best Measurement Capability(+/-) <sup>2</sup>	Remarks
Type S	-1 °F to 212 °F	2.5 °F	Calibrations performed with a Universal Thermocouple Calibrator or equivalent and electronic thermometer
	212 °F to 752 °F	1.7 °F	
	752 °F to 3092 °F	1.3 °F	
	3092 °F to 3214 °F	1.5 °F	
Type N	-382 °F to -292 °F	2.3 °F	
	-292 °F to -58 °F	1.4 °F	
	-58 °F to 2012 °F	1 °F	
	2012 °F to 2372 °F	1.1 °F	
Type T	-436 °F to -326 °F	2.3 °F	
	-328 °F to -58 °F	1.5 °F	
	-58 °F to 32 °F	1.1 °F	
	32 °F to 752 °F	1.1 °F	

**Notes:**

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

Approved by: \_\_\_\_\_



 R. Douglas Leonard  
 Chief Technical Officer

 Date: May 16, 2007

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