



SCOPE OF ACCREDITATION

NATIONAL ASSOCIATION for PROFICIENCY TESTING
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 Wayzata, MN 55391
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PROFICIENCY TESTING PROVIDER

Valid To: September 30, 2010

Certificate Number: 2337.01

This Proficiency Testing Provider has been found to meet the requirements of ILAC Guide 13:2000 “Guidelines for the Requirements for the Competence of Providers of Proficiency Testing Schemes” (based on ISO/IEC Guide 43-1:1997, relevant elements of ISO/IEC 17025:1999, and relevant ISO 9000 Series requirements). Therefore, in recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this provider to offer the following proficiency testing programs:

DISCIPLINE	SUB-DISCIPLINE	PROPERTIES MEASURED TYPE OF TEST RANGE OF MEASUREMENT <small>(m) = measures, (s) = source</small>
ELECTRICAL DC/LOW FREQUENCY	Current DC	Current _(m) 1 mA to 1 A
	Current AC	Current _(m) 100 mA to 1 A Frequency 50 Hz
	Voltage DC	Voltage _(m) 100 mV to 300 V
	Voltage DC	Voltage _(s) 10 V
	Voltage AC	Voltage _(m) 100mV to 300 V Frequency 50 Hz to 10 kHz
	Inductance	Fixed Inductance _(s) 1 mH to 1H
	Capacitance	Fixed Capacitance _(s) 0.001 μF to 0.5 μF
	Resistance	Resistance _(m) 100Ω to 1 MΩ
	Resistance	Fixed Resistance 1Ω to 1 G Ω
		TC Simulation

DISCIPLINE	SUB-DISCIPLINE	PROPERTIES MEASURED TYPE OF TEST RANGE OF MEASUREMENT <small>(m) = measures, (s) = source</small>
		Type K 0°C to 990°C Process Calibrator _(s) Type E, J, K, and T -250 °C to 1000°C
ELECTRICAL RF MICROWAVE	Attenuation _(s)	Attenuation _(s) 3 db to 30 db Frequency 1 GHz
TIME / FREQUENCY	Frequency	Time Base _(s) 10 MHz Frequency _(m) 100 KHz 5 MHz 10 MHz Sensitivity _(m) 0.1 V _{peak} 1.0 V _{peak} 2.0 V _{peak}
DIMENSIONAL	1D – Portable Gaging and Hand Tools	Digital Micrometers _(m) 0.20680 in to 0.96250 in Calipers _(m) 1.1 in to 6.0 in Dial Indicators _(m) 2.54 mm to 14mm Height Gage _(m) 3 in to 24 in
	1D – Artifacts and Standards and Parts	Gage Block Sets _(s) 0.1 in to 20 in Micrometer Length Standards _(s) 1 in to 7 in Pin Gage Sets _(s) 0.0615 in to 0.2495 in Plug Gage Sets _(s) 1 in to 4 in Cylindrical Ring Gage Sets _(s) 0.5 in to 4 in
	2D – Portable/Fixed Gauging and Hand Tools	Glass Reference Line Scale _(s) 2 in to 16 in, 400mm Stage Micrometer _(s) 0.0003 in to 1.9 in
	3D - Inspection	Artifact _(s) X – Coordinate Y – Coordinate Z – Coordinate Diameter Angle
	Other	Thread Set Gage _(s) Range 0.71 in to 0.95 in Range 7.2 mm to 7.3 mm Thread Wires _(s) 20 TPI to 80 TPI
MECHANICAL	Pressure	Transducer _(m) with Digital Indicator 4.5 psia to 38 psia 10 psig to 900 psig 0 Mpa to 70 Mpa

DISCIPLINE	SUB-DISCIPLINE	PROPERTIES MEASURED TYPE OF TEST RANGE OF MEASUREMENT
		(m) = measure, (s) = source
	Torque Tool	Torque Wrenches _(m) 5 lb in to 540 lb in 20 lb ft to 90 lb ft
	Torque Sensor	Transducers _(m) CW/CCW 0 lb in to 2000 lb in
	Force	Force Gage _(m) 10 lb to 100 lb
		Load Cell _(m) with Digital Indicator Compression and/or Tension 100 lb to 50000 lb
		Load Cell _(m) output in mV/V Compression and/or Tension 100 lb to 50000 lb
	Scales/Balance	Bench Scale _{(m)(1)} 0.5 lb to 20 lb Lab Balance _{(m)(1)} 1 g to 210 g
	Mass	Weight set ASTM Class 6 _(s) 1 g to 100 g
	Vacuum	Guage with Indicator _(m) 0 to 900 mm Hg
THERMODYNAMIC	Temperature	Glass Thermometer _(m) -38 °C to 405 °C
		Type S Thermocouple _(m) 1000°F to 2000 °F
		Thermistor Probe _(m) 0 °C to 100 °C
		Platinum Resistance Thermometer _(m) -190 °C to 410 °C
	Humidity	Humidity Sensor _(m) 10% RH to 95% RH

Note 1: (1) = Available on-site or at regional locations

(m)= Measure

(s)= Source



The American Association for Laboratory Accreditation

World Class Accreditation

Accredited Proficiency Testing Provider

A2LA has accredited

NATIONAL ASSOCIATION FOR PROFICIENCY TESTING

Wayzata, MN

for technical competence as a

Proficiency Testing Provider

This accreditation covers the specific proficiency testing samples listed on the agreed upon Scope of Accreditation. This provider meets the ILAC G-13:2007 Guidelines for the Requirements for the Competence of Providers of Proficiency Testing (comprising ISO Guide 43-1:1997, as well as relevant elements of ISO/IEC 17025:2005 applicable to characterization, homogeneity and stability testing of proficiency testing materials), and the management system requirements of ISO/IEC 17025:2005, which includes the principles of ISO 9000:2005.



Presented this 24th day of March 2006.



President & CEO

For the Accreditation Council
Certificate Number 2337.01
Valid to September 30, 2010
Revised August 2, 2010

For the proficiency testing schemes to which this accreditation applies, please refer to the provider's Scope of Accreditation.