Scope of Accreditation
For
Rogan Incorporated

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In recognition of a successful assessment to ISO/IEC 17025:2005, accreditation is granted to **Rogan Incorporated** to perform the following Calibrations:

Accreditation granted through: **July 6, 2012**

Calibration

Mass – Scale and Balances[1]

Calibration Parameter/Equipment	Range	Best Measurement Capability(+/-) [2]	Remarks
Balance (0.1 µg resolution) (100 µg resolution) (1 mg resolution) (0.01 g resolution) (0.1 g resolution)	 0 g to 5 g 0 g to 320 g 0 g to 2200 g 0 g to 10 000 g 0 g to 64 000 g	 1 µg 200 µg 0.0012 g 0.01 g 0.083 g	Class I Weights in accordance with ASTM E617 and NIST Handbook 44 utilized for the calibration of the weighing system
Balances (0.01 g resolution) (0.02 g resolution) (0.1 g resolution) (0.5 g resolution) (1 g resolution) (2 g resolution)	 0 g to 10 000 g 0 g to 20 000 g 0 g to 32 000 g 0 g to 50 000 g 0 g to 150 000 g 0 g to 300 000 g	 0.01 g 0.02 g 0.08 g 0.37 g 0.75 g 1.6 g	Class II Weights in accordance with ASTM E617 and NIST Handbook 44 utilized for the calibration of the weighing system
Scales (0.0002 lb resolution) (0.0005 lb resolution) (0.001 lb resolution) (0.002 lb resolution) (0.005 lb resolution) (0.01 lb resolution) (0.02 lb resolution) (0.05 lb resolution) (0.1 lb resolution) (0.2 lb resolution)	 0 lb to 2 lb 0 lb to 5 lb 0 lb to 10 lb 0 lb to 20 lb 0 lb to 50 lb 0 lb to 132 lb 0 lb to 200 lb 0 lb to 500 lb 0 lb to 1000 lb 0 lb to 2000 lb	 0.0002 lb 0.0004 lb 0.0008 lb 0.001 lb 0.004 lb 0.008 lb 0.01 lb 0.03 lb 0.07 lb 0.1 lb	Class F weights in accordance with NIST 105-1 and NIST Handbook 44 utilized for the calibration of the weighing system

Calibration Parameter/Equipment	Range	Best Measurement Capability(+/-) [2]	Remarks
(0.5 lb resolution)	0 lb to 5000 lb	0.3 lb	Class F weights in accordance with NIST 105-1 and NIST Handbook 44 utilized for the calibration of the weighing system
(1 lb resolution)	0 lb to 10 000 lb	0.7 lb	
(2 lb resolution)	0 lb to 20 000 lb	1.6 lb	
(5 lb resolution)	0 lb to 50 000 lb	4 lb	
(10 lb resolution)	0 lb to 100 000 lb	8 lb	
(20 lb resolution)	0 lb to 200 000 lb	16 lb	
(50 lb resolution)	0 lb to 500 000 lb	40 lb	
(100 lb resolution)	0 lb to 500 000 lb	82 lb	
(200 lb resolution)	0 lb to 500 000 lb	163 lb	

Mass – Mass Standards

Calibration Parameter/Equipment	Range	Best Measurement Capability(+/-) [2]	Remarks
Industrial Weight Test and Calibration	25 lb	0.0029 lb	Sop 8 Modified Substitution and SOP 7 Single Substitution Rogan Incorporated Procedures
	50 lb	0.003 lb	
	500 lb	0.8 lb	SOP 7 Single Substitution Rogan Incorporated Procedures
	1000 lb	1.4 lb	

Notes:

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

2) Best uncertainties, expressed as a percentage of the applied test load, represent expanded uncertainties at approximately the 95% confidence level using a coverage factor of k=2.

Approved by: _____ Date: December 04, 2009

R. Douglas Leonard Jr.
Chief Technical Officer

Re-Issued: 10/9/09 Revised: 10/12/09 Revised 12/04/2009