

Scope of Accreditation For Steinhoffer Scale Company, Inc.

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In recognition of a successful assessment to ISO/IEC 17025:2005 to the following Calibration and Measurement Capabilities, accreditation has been granted to **Steinhoffer Scale Company, Inc.** for the following:

Accreditation granted through: **December 20, 2019**

Calibration

Mass – Scales and Balances

Calibration Parameter/Equipment ¹	Range	Expanded Uncertainty of Measurement (+/-)	Remarks
Analytical Balance (0.01 mg Resolution)	(0 to 230) g	0.99 mg	ASTM E617 Class I Weights Capacity and NIST Handbook 44 utilized for the calibration of the Weighing System to Full Capacity
(0.1 mg Resolution)		1 mg	
Precision Balance (1 mg Resolution)	(0 to 1 100) g	4.8 mg	
Laboratory Balance (2 mg Resolution)	(0 to 2 200) g	9.8 mg	
(5 mg Resolution)		12 mg	
(10 mg Resolution)		18 mg	
Industrial Balance (0.01 g Resolution)	(0 to 12 500) g	0.22 g	
(0.02 g Resolution)		0.22 g	
(0.05 g Resolution)		0.23 g	
(0.1 g Resolution)		0.26 g	

Calibration Parameter/Equipment ¹	Range	Expanded Uncertainty of Measurement (+/-)	Remarks
Industrial Scales (0.005 lb Resolution)	(0 to 50) lb	0.014 lb	NIST Class F Weights and NIST Handbook 44 utilized for the calibration of the Weighing System to Full Capacity
(0.01 lb Resolution)	(0 to 100) lb	0.027 lb	
(0.02 lb Resolution)	(0 to 200) lb	0.054 lb	
(0.05 lb Resolution)	(0 to 500) lb	0.14 lb	
(0.1 lb Resolution)	(0 to 1 000) lb	0.27 lb	
(0.2 lb Resolution)	(0 to 2 000) lb	0.54 lb	
(0.5 lb Resolution)	(0 to 5 000) lb	1.4 lb	
(1 lb Resolution)	(0 to 10 000) lb	2.7 lb	
(2 lb Resolution)	(0 to 20 000) lb	5.4 lb	
(5 lb Resolution)	(0 to 50 000) lb	14 lb	
(10 lb Resolution)	(0 to 90 000) lb	25 lb	
(10 lb Resolution)	(0 to 100 000) lb	37 lb	NIST Class F Weights and NIST Handbook 44 utilized for the calibration of the Weighing System with Build Up
(20 lb Resolution)	(0 to 200 000) lb	97 lb	
(50 lb Resolution)	(0 to 500 000) lb	372 lb	
Vehicle Scales (10 lb Resolution)	(0 to 30 000) lb	19 lb	NIST Class F Weights, Cart and NIST Handbook 44 utilized for the calibration of the Weighing System to Full Capacity
(20 lb Resolution)		31 lb	
(50 lb Resolution)		72 lb	
(100 lb Resolution)		143 lb	
Vehicle Scales (10 lb Resolution)	(30 000 to 100 000) lb	94 lb	NIST Class F Weights, 6000 lb Cart and NIST Handbook 44 utilized for the calibration of the Weighing System with Build Up
(20 lb Resolution)	(30 000 to 200 000) lb	188 lb	
(50 lb Resolution)	(30 000 to 350 000) lb	795 lb	
(100 lb Resolution)		1 572 lb	

Mass – Force

Calibration Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Remarks
Force Gages and Transducers (Tension and Compression)			
(0.005 lb Resolution)	(0 to 50) lb	0.017 lb	NIST 105-1 Class F Weights
(0.01 lb Resolution)	(0 to 100) lb	0.036 lb	
(0.02 lb Resolution)	(0 to 200) lb	0.072 lb	
(0.05 lb Resolution)	(0 to 500) lb	0.18 lb	

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and remarks. The expanded uncertainty of measurement is expressed as the standard uncertainty of the measurement multiplied by a coverage factor of 2 (k=2), corresponding to a confidence level of approximately 95%.

Notes:

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

Approved by: 
R. Douglas Leonard
Chief Technical Officer

Date: December 20, 2016