



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

Steinhoffer Scale Company, Inc.

55645 Currant Road

Mishawaka, IN 46545

has been assessed by ANAB
and meets the requirements of international standard

ISO/IEC 17025:2005

while demonstrating technical competence in the fields of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of calibrations and/or tests to which this accreditation applies.

L1131-1

Certificate Number


ANAB Approval

Certificate Valid: 03/06/2018-12/20/2018
Version No. 001 Issued: 03/06/2018



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 April 2017).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

Steinhoffer Scale Company, Inc.

55645 Currant Road
Mishawaka, IN 46545

Brian Lannoo
574-259-5425

CALIBRATION

Valid to: December 20, 2018

Certificate Number: L1131-1

Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment	
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		ASTM E617 Class III Weights Capacity and NIST Handbook 44 utilized for the calibration of the Weighing System to Full Capacity
(0.02 g Resolution)		0.22 g		
(0.05 g Resolution)		0.23 g		
(0.1 g Resolution)		0.26 g		

Mass and Mass Related

Parameter / Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method and/or Equipment
Industrial Scales			NIST Class F Weights and NIST Handbook 44 utilized for the calibration of the Weighing System to Full Capacity
(0.005 lb Resolution)	(0 to 50) lb	0.014 lb	
(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	
(20 lb Resolution)	(0 to 200 000) lb	97 lb	
(50 lb Resolution)	(0 to 500 000) lb	372 lb	
Vehicle Scales			NIST Class F Weights, Cart and NIST Handbook 44 utilized for the calibration of the Weighing System to Full Capacity
(10 lb Resolution)	(0 to 30 000) lb	19 lb	
(20 lb Resolution)		31 lb	
(50 lb Resolution)		72 lb	
(100 lb Resolution)		143 lb	


Mass and Mass Related

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

Calibration and Measurement Capability (CMC) is expressed in terms of the measurement parameter, measurement range, expanded uncertainty of measurement and reference standard, method, and/or equipment. 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. On-site calibration service is available for this parameter, since on-site conditions are typically more variable than those in the laboratory, larger measurement uncertainties are expected on-site than what is reported on the accredited scope
2. This scope is formatted as part of a single document including Certificate of Accreditation No. L1131-1.



Vice President