



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Steinhoffer Scale Company, Inc.

**55645 Currant Road
Mishawaka, IN 46545**

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

CALIBRATION

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 20 December 2022

Certificate Number: L1131-1



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

Steinhoffer Scale Company, Inc.

55645 Currant Road
Mishawaka, IN 46545
Brian Lannoo
574-259-5425

CALIBRATION

Valid to: **December 20, 2022**

Certificate Number: **L1131-1**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method, and/or Equipment
Analytical Balance	(0 to 230) g	$0.76R + 0.000$ 4% of applied load	ASTM E617 Class I Weights Capacity and NIST Handbook 44 utilized for the calibration of the Weighing System to Full Capacity
Precision Balance	(0 to 1 100) g	$0.76R + 0.000$ 4% of applied load	
Laboratory Balance	(0 to 2 200) g	$0.76R + 0.000$ 4% of applied load	
Industrial Balance	(0 to 12 500) g	$0.76R + 0.001$ 3% of applied load	ASTM E617 Class III Weights Capacity and NIST Handbook 44 utilized for the calibration of the Weighing System to Full Capacity
Industrial Scales	(0 to 500 000) lb	$0.71R + 0.02\%$ of applied load	NIST Class F Weights and NIST Handbook 44 utilized for the calibration of the Weighing System to Full Capacity
Vehicle Scales	(0 to 30 000) lb	$0.71R + 0.02\%$ of applied load	NIST Class F Weights, Cart and NIST Handbook 44 utilized for the calibration of the Weighing System to Full Capacity

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-) ²	Reference Standard, Method, and/or Equipment
Vehicle Scales	(30 000 to 350 000) lb	0.71R + 0.02% of applied load	NIST Class F Weights, Cart and NIST Handbook 44 utilized for the calibration of the Weighing System to Full Capacity
Force Gages and Transducers (Tension and Compression)	(0 to 500) lb	0.58R + 0.034% of applied load	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. R = Resolution of the unit under test.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. L1131-1.



R. Douglas Leonard Jr., VP, PILR SBU