

#### SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

#### STERLING SCALE 20950 Boening Dr. Southfield, MI 40875 Keith Bonka Phone: 248 358 0590

### CALIBRATION

Valid To: May 31, 2019

Certificate Number: 1448.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations<sup>1</sup>:

#### I. Mechanical

Parameter/Equipment	Range	$\mathrm{CMC}^2\left(\pm\right)$	Comments
Verification of Scales (Including Truck, Fluor, and Crane Scales) <sup>3</sup> –	Vitho	Iraw	n
Class III	(0 to 20) lb (20 to 50) lb (50 to 500) lb (500 to 1000) lb (1000 to 5000) lb (5000 to 10 000) lb (10 000 to 20 000) lb (20 000 to 40 000) lb	0.002 lb 0.002 lb 0.005 lb 0.05 lb 0.10 lb 0.58 lb 1 lb 2 lb	Verification using Handbook 44 with class F weights
Class IIIL	(40 000 to 100 000) lb (100 000 to 200 000) lb	5 lb 10 lb	

Parameter/Equipment	Range	$CMC^{2}(\pm)$	Comments
Verification of Precision Scales –			
Class I	(0 to 100) g (100 to 200) g	0.001 mg 0.002 mg	Class 1 weights
Class II	(200 to 500) g 500 g to 2 kg (2 to 10) kg (10 to 30) kg	0.01 mg 10 mg 22 mg 0.10 g	Class 1 and 2 weights

<sup>1</sup> This laboratory offers commercial calibration service and field calibration service.

- <sup>2</sup> Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of k = 2. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.
- <sup>3</sup> Field calibration error is available for this caloration and the latorator mets A2LA R104 General Requirements: accreate on of Feel Tes in and the d Valuration Laboratories for these calibrations. Please note the actual reastrenent uncertained accreate on a customer's site can normally be expected to be larger than the CMC found on the A2LA Scope. Allowance must be made for aspects such as the environment at the place of calibration and for other possible adverse effects such as those caused by transportation of the calibration equipment. The usual allowance for the actual uncertainty introduced by the item being calibrated, (e.g. resolution) must also be considered and this, on its own, could result in the actual measurement uncertainty achievable on a customer's site being larger than the CMC.

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## **Accredited Laboratory**

A2LA has accredited

# **STERLING SCALE**

Southfield, MI

for technical competence in the field of

This laborately is adjected in accordance of the incode content of a laboratories. This laboratory also meets R205 – Specific Requirements: Calibration Laboratory Accreditation Program. 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 8 January 2009).



Presented this 28<sup>th</sup> day of March 2017.

Vice President, Accreditation Services For the Accreditation Council Certificate Number 1448.01 Valid to May 31, 2019 Revised April 8, 2019

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.