



CERTIFICATE OF ACCREDITATION

ANSI National Accreditation Board

11617 Coldwater Road, Fort Wayne, IN 46845 USA

This is to certify that

Memphis Scale Works, Inc

3418 Cazassa Rd.

Memphis, TN 38116

(and satellite locations as shown on the scope)

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

ISO/IEC 17025:2017

while demonstrating technical competence in the field of

CALIBRATION

Refer to the accompanying Scope of Accreditation for information regarding the types of activities to which this accreditation applies

AC-1132

Certificate Number


ANAB Approval

Certificate Valid Through: 08/17/2020
Version No. 016 Issued: 08/22/2019



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

Memphis Scale Works, Inc.
3418 Cazassa Rd., Memphis, TN 38116
Kelly Michie
901-332-5070 Ext. 102

Memphis Scale Works, Inc.
3212 Herb Street
Jonesboro, AR 72401

Memphis Scale Works, Inc.
314 Lake Lane, Little Rock, AR 72117

**Memphis Scale Works, Inc., dba
American Weighing Systems**
4831 Bryant Rd, Buford, GA 30518

**Memphis Scale Works, Inc., dba
Ohio Scale Systems**
4600 Middle Drive, Youngstown, OH 44505

**Memphis Scale Works, Inc., dba
Alabama Scale Systems**
2401 Pawnee Village Road, Birmingham, AL 35217

Memphis Scale Works, Inc.
2000 Creekview, Fayetteville, AR 72704



CALIBRATION

Valid to: **August 17, 2020**

Certificate Number: **AC-1132**

Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Low Range Balances ¹	Up to 300 g (0.001 g) Up to 1 200 g (0.005 g)	1.5 mg 5.8 mg	Class 1 Weights
Low Range Balances ¹	Up to 300 g (0.001 g) Up to 1 200 g (0.005 g)	1.7 mg 6 mg	Class 2 Weights
Lab Balance ¹	Up to 300 g (0.001 g) Up to 1 200 g (0.005 g)	4.4 mg 5.8 mg	Class 3 Weights
Small Balance ¹	Up to 300 g (0.01 g) Up to 1 200 g (0.05 g)	0.093 g 0.22 g	Class F Weights
Medium Range Balances ¹	Up to 3 kg (0.1 g) Up to 5 kg (0.5 g)	0.36 g 0.86 g	Class F Weights
High Range Balances ¹	Up to 10 Kg (1 g) Up to 20 Kg (2 g) Up to 50 Kg (5 g) Up to 500 kg (0.1 kg) Up to 1 000 kg (0.2 kg) Up to 5 000 kg (0.5 kg) Up to 10 000 kg (1 kg)	1.4 g 2.9 g 7 g 0.13 kg 0.26 kg 0.65 kg 1.3 kg	Class F Weights
Bench Scales ¹	Up to 50 lb (0.01 lb) Up to 100 lb (0.05lb)	0.013 lb 0.065 lb	Class F Weights
Low Range Scales ¹	Up to 500 lb (0.1 lb) Up to 2 000 lb (0.2 lb)	0.14 lb 0.29 lb	Class F Weights
Floor Scales ¹	Up to 2 000 lb (0.2 lb) Up to 5 000 lb (0.5 lb) Up to 10 000 lb (1 lb) Up to 20 000 lb (2 lb) Up to 40 000 lb (5 lb)	0.29 lb 0.66 lb 1.4 lb 2.9 lb 6.9 lb	Class F Weights
Hopper/Tank Scales ¹	Up to 5 000 lb (1 lb) Up to 15 000 lb (2 lb) Up to 30 000 lb (5 lb)	1.7 lb 4.3 lb 8.7 lb	Class F Weights
Crane Scales ¹	Up to 2 000 lb (1 lb) Up to 5 000 lb (2 lb) Up to 10 000 lb (5 lb) Up to 50 000 lb (10 lb) Up to 70 000 lb (20 lb) Up to 100 000 lb (50 lb) Up to 200 000 lb (100 lb)	1.3 lb 2.6 lb 6.6 lb 13 lb 26 lb 65 lb 130 lb	Class F Weights



Mass and Mass Related

Parameter/Equipment	Range	Expanded Uncertainty of Measurement (+/-)	Reference Standard, Method, and/or Equipment
Vehicle Scales ¹	Up to 100 000 lb (10 lb) Up to 200 000 lb (20 lb)	14 lb 26 lb	Class F Weights
Vehicle Scales ¹ With test Cart	Up to 100 000 lb (10 lb) Up to 200 000 lb (20 lb)	13 lb 26 lb	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. Numbers in parenthesis represent balance or scale resolution.
3. This scope is formatted as part of a single document including Certificate of Accreditation No. AC-1132.



Vice President

