

# United States Department of Commerce

## National Institute of Standards and Technology

### Certificate of Metrological Traceability For:

# Michigan

This laboratory has demonstrated evidence of an unbroken chain of metrological traceability of its standards to the international system of units (SI), documented measurement uncertainties, uses documented measurement procedures, successfully completed training and proficiency tests, documented calibration intervals, submitted a quality management system, and demonstrated suitable measurement assurance for the Scope listed on this certificate.

The Office of Weights and Measures Program assesses laboratories to NIST Handbook 143 - Program Handbook for State Weights and Measures Laboratories and ISO/IEC 17025:2005.

#### *Scope*

**Mass Echelon I**

20 kg to 1 mg

**Mass Echelon II**

20 kg to 1 mg

50 lb to 0.001 lb

8 oz to 0.03125 oz

**Mass Echelon III**

500 kg to 1 mg

1000 lb to 0.001 lb

8 oz to 0.03125 oz

Weight Carts

6000 lb to 3000 lb

Wheel Load Weighers

≤ 20 000 lb

**Volume Gravimetric, I**

2 L to 100 mL

25 gal to 0.5 pt

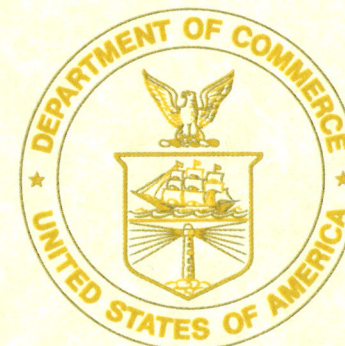
**Volume, SVP**

30 gal to 5 gal

**Volume Transfer, II**

2000 gal to 5 gal

100 gal to 20 gal LPG



2018 to 2019

*Douglas A. Olson*

Douglas A. Olson, Chief

NIST Office of Weights and Measures

Effective Dates: 2018-01-01 to 2019-12-31