

# 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), maintains a documented calibration program, documented measurement uncertainties, uses documented measurement procedures, successfully completed training and proficiency tests, submitted a quality management system, and has 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 17025:2017.



2022 to 2023

### 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 to 5000 lb

#### Volume Gravimetric, I

2 L to 100 mL

25 gal to 0.5 pt

#### Volume Gravimetric, I SVP

30 gal to 5 gal

#### Volume Transfer, II

2000 gal to 5 gal

#### Volume Transfer, II LPG

100 gal to 20 gal

A handwritten signature in black ink, appearing to read "K. Lippa".

*Katrice Lippa, Chief  
NIST Office of Weights and Measures*

*Effective Dates: 2022-02-01 to 2024-02-01*

*NOTE: Amended 2023-01-31 to update  
header for Volume Gravimetric, I SVP*