

United States Department of Commerce

National Institute of Standards and Technology

Certificate of Metrological Traceability For:

Minnesota

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.

Scope

Mass Echelon I

20 kg to 1 mg

Mass Echelon II

5 kg to 1 mg

2500 lb

1000 lb, 500 lb

50 lb to 0.001 lb

Mass Echelon III

30 kg to 1 mg

3000 lb to 200 lb

100 lb to 0.001 lb

4 oz to 0.03125 oz

Weight Carts

5000 lb to 2000 lb

Wheel Load Weighers

12 000 lb to 2000 lb

Railroad Test Cars/Carts

110 000 lb to 80 000 lb

10 000 lb to 8000 lb

Volume Gravimetric, I

20 L to 10 mL

100 gal to 0.25 gal

12 fl oz

1 gal slicker

Volume Transfer, II

1500 gal to 5 gal

Volume Transfer, II LPG

200 gal to 25 gal



2022 to 2023

*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 Mass II, Mass III scope and add 1 gal slicker to Volume Gravimetric I