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
10 kg
1 kg to 1 mg
50 lb and 25 lb
1 lb to 0.001 lb

Mass Echelon II
500 kg
250 kg
100 kg
5 kg to 1 mg
2500 lb
1000 lb
500 lb
250 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

Railroad Test Cars/Carts
110 000 lb to 80 000 lb
10 000 lb to 8000 lb

Volume Gravimetric, I
1 L to 10 mL
100 gal to 0.25 gal
12 fl oz

Volume Transfer and Scale Plate, II
1500 gal to 5 gal

Volume Transfer and Scale Plate, II LPG
200 gal to 25 gal

2026 to 2027

Katrice Lippa, Chief
NIST Office of Weights and Measures

Effective Dates: 2026-02-01 to 2028-01-31

Amendment 8/18/2026: Removed Wheel Load Weigher from scope

(Rev.: September 2021)