

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), 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

5 kg to 1 mg

1000 lb to 250 lb

50 lb to 0.001 lb

Mass Echelon III

50 kg to 1 mg

5000 lb to 0.001 lb

4 oz to 0.03125 oz

Weight Carts

5 000 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 8 000 lb

Volume Gravimetric, I

20 L to 10 mL

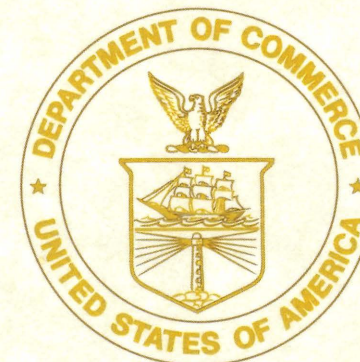
100 gal to 0.25 gal

Volume Transfer, II

1500 gal to 5 gal

Volume Transfer, II LPG

200 gal to 25 gal



2019

Douglas A. Olson

Douglas A. Olson, Chief
NIST Office of Weights and Measures

Effective Dates: 2019-01-01 to 2020-02-01