

# United States Department of Commerce

## National Institute of Standards and Technology

Certificate of Metrological Traceability For:

# Alaska

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.



2023

### Scope

#### Mass Echelon II

30 kg to 1 mg  
50 lb to 0.001 lb  
8 oz to 0.03125 oz

#### Mass Echelon III

30 kg to 1 mg  
1000 lb to 0.001 lb  
8 oz to 0.03125 oz

#### Weight Carts

5000 lb to 3000 lb

#### Wheel Load Weighers

40 000 lb to 5 000 lb

#### Volume Gravimetric, I

25 gal to 5 gal

#### Volume Transfer, II

1000 gal to 5 gal

#### Frequency

7000 Hz to 1000 Hz

#### Temperature, III

100 °C to -20 °C  
120 °F to -20 °F

#### Field Calibrations:

#### Volume Transfer, II

750 gal to 5 gal

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

*Effective Dates: 2023-02-01 to 2024-02-01*