

United States Department of Commerce

National Institute of Standards and Technology

Certificate of Metrological Traceability For:

North Carolina

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

30 kg to 1 mg

50 lb to 0.001 lb

Mass Echelon II

250 kg to 1 mg

2500 lb to 0.001 lb

Mass Echelon III

1000 kg to 1 mg

2500 lb to 0.001 lb

8 oz to 0.03125 oz

Weight Carts

6000 lb to 3000 lb

Lottery Balls

2.65 g

Volume Gravimetric, I

400 L to 100 mL

100 gal to 1 gill

10 ft³ to 0.5 ft³

Volume Gravimetric, I SVP

30 gal to 5 gal

Volume Transfer, II

650 L to 20 L

2000 gal to 5 gal

Volume Transfer, II LPG

500 gal to 24 gal

Length

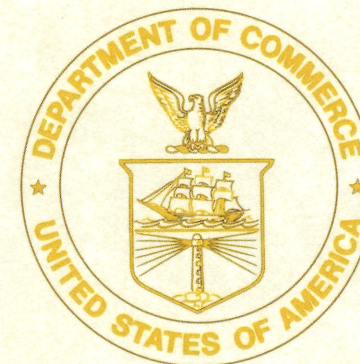
Lottery Balls

1.4 in to 1.5 in

Thermometry

660 °C to -30 °C

1220 °F to -22 °F



2019

Douglas A. Olson

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

Effective Dates: 2019-05-01 to 2020-02-01

NOTE: This Scope does not cover calibration at remote locations.

Amended: Scope was amended to restore gravimetric volume calibrations and extend range for Mass Echelon II to 2500 lb.