

United States Department of Commerce

National Institute of Standards and Technology

Certificate of Metrological Traceability For:

California

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 17025:2017.



2020 to 2021

Scope

Mass Echelon II

2 kg to 1 mg

Mass Echelon III

30 kg to 1 mg

1000 lb to 0.001 lb

8 oz to 0.01 oz

Volume Gravimetric, I

5 gal to 1 gill

Volume Transfer, II

1000 gal to 1 gal

Volume Transfer, II LPG

100 gal to 25 gal

Length

Steel Tapes, Tape to Tape

100 ft to 1 ft

Steel Tapes, Bench

25 ft to 1 ft

Temperature, III

65.556 °C to 0 °C

150 °F to 32 °F

Time

Stopwatches

3 h

AC Energy—Watt-hour Calibration

120 V to 240 V

Range 250 mA to 50 A

(0° Phase Angle)

Field Calibrations

Mass Echelon III

50 lb to 25 lb

Volume Transfer, II

500 gal to 5 gal

Volume Transfer, II LPG

100 gal to 25 gal

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

Effective Dates: 2020-02-01 to 2022-02-01