

# 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

#### **Temperature, III**

65.556 °C to 0 °C

150 °F to 32 °F

#### **Time**

Stopwatches

3 h

#### **AC Energy—Watt-hour Calibration**

240 V to 120 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*