

# 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 17025:2005.

2017 to 2018

### 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

20 L to 100 mL  
5 gal to 1 gill

#### Volume Transfer, II

1000 gal to 1 gal  
100 gal to 25 gal LPG

#### Length

Steel Tapes, Tape to Tape  
100 ft to 1 ft

Steel Tapes, Bench  
25 ft to 1 ft

#### Temperature, III

65.56 °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  
100 gal to 25 gal LPG

A handwritten signature in cursive script, reading "Georgia L. Harris".

Georgia L. Harris, Acting Chief  
NIST Office of Weights and Measures

Effective Dates: 2017-01-01 to 2018-12-31