

# United States Department of Commerce

## National Institute of Standards and Technology

Certificate of Metrological Traceability For:

# Hawaii

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.



2018 to 2019

### *Scope*

#### **Mass Echelon I**

1 kg to 1 mg  
2 lb to 0.001 lb  
8 oz to 0.03125 oz

#### **Mass Echelon II**

20 kg to 1 mg  
1000 lb to 3 lb

#### **Mass Echelon III**

500 kg  
20 kg to 1 mg  
1000 lb to 0.001 lb  
8 oz to 0.03125 oz

#### **Volume Gravimetric, I**

2 L to 100 mL  
25 gal to 2 fl oz

#### **Volume Transfer, II**

1000 gal to 5 gal

#### **Time**

Stopwatches  
≤ 24 hr

A handwritten signature in dark ink, reading "Douglas A. Olson", is written over a horizontal line.

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

Effective Dates: 2018-01-01 to 2019-12-31