

**United States Department of Commerce
National Institute of Standards and Technology**

~ **Certificate of Measurement Traceability** ~
for

Hawaii

**a participant in the NIST Weights and Measures
Measurement Assurance Program for the Year(s)**

2011 - 2012

The State standards are traceable to NIST and the laboratory has demonstrated* measurement proficiency through training and interlaboratory comparisons compliant to NIST HB 143:2007 (ISO/IEC 17025:2005).



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for the National Institute of Standards and Technology*

Chief, Weights and Measures Division
Title

January 1, 2011 to December 31, 2012
Effective Date



***Demonstrated
Areas of Proficiency**

Mass

Echelon I

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

Echelon II

20 kg - 1 mg
50 lb - 0.001 lb

Echelon III

20 kg - 1 mg
2,500 lb - 0.001 lb
8 oz - 0.03125 oz

Volume

Gravimetric, I

20 L - 50 mL
25 gal - 2 fl oz

Volume transfer, II

1,500 gal - 5 gal

Length

Steel tapes

100 ft - 1 ft

Time

Stopwatches

≤ 24 hrs