

United States Department of Commerce  
National Institute of Standards and Technology

**\*Demonstrated  
Areas of Proficiency**

**Mass**

Echelon II  
2 kg - 1 mg  
Echelon III  
30 kg - 1 mg  
1,000 lb - 0.001 lb  
8 oz - 0.01 oz

**Volume**

Gravimetric, I  
20 L - 100 mL  
5 gal - 1 gill  
Volume Transfer, II  
1,000 gal - 1 gal  
100 gal - 20 gal LPG

**Length**

Steel tapes, Tape to Tape  
100 ft - 1 ft  
Steel tapes, Bench  
25 ft - 1 ft

**Temperature**

III 48.89 °C - 0 °C  
120 °F - 32 °F

**Time**

Stopwatches  
3 hr

**Field Calibrations**

**Mass**

Echelon III  
50 lb - 25 lb

**Volume**

Volume Transfer, II  
500 gal - 5 gal  
100 gal - 20 gal LPG


~ Certificate of Measurement Traceability ~  
for

**California**

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

**2012 - 2013**

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, Office of Weights and Measures  
Title

January 1, 2012 to December 31, 2013  
Effective Date

