

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

~ **Certificate of Measurement Traceability** ~  
for

**California**

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

**2009 - 2010**

**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, 2009 to December 31, 2010  
Updated Effective Date



**\*Demonstrated  
Areas of Proficiency**

**Mass**

Echelon II  
2 kg - 1 mg  
Echelon III  
30 kg - 1 mg  
2500 lb - 0.001 lb  
8 oz - 0.03125 oz

**Volume**

Gravimetric, I  
20 L - 100 mL  
5 gal - 1 gill  
Volume transfer, II  
20 L - 100 mL  
1000 gal - 1 gill

**Length**

Steel tapes, Tape to Tape  
100 ft - 0 ft

**Temperature**

III 48.89 °C - 0 °C  
120 °F - 32 °F

**Time**

Stopwatches  
3 hr