

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

**\*Demonstrated  
Areas of Proficiency**

**Mass**

Echelon I  
1 kg - 1 mg  
Echelon II  
30 kg - 1 mg  
1,000 lb - 500 lb  
Echelon III  
30 kg - 1 mg  
10,000 lb - 0.001 lb  
4 oz - 0.005 oz  
Weight Carts  
6,000 lb - 3,000 lb

**Volume**

Gravimetric, I  
250 L - 60 L  
100 gal - 5 gal, 2 fl oz  
Volume Transfer, II  
5 L - 100 mL  
1,800 gal - 5 gal (provers)  
1 gal - 1 gill (glassware)  
105 gal - 20 gal LPG

**Length**

Rigid rules 48 in - 1 in

**Time**

Stopwatches 3 hr

**Temperature**

Echelon II 95 °C - 5 °C

~ Certificate of Measurement Traceability ~  
for

**Maryland**

**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*

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*Title*

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*Effective Date*

