

United States Department of Commerce  
National Institute of Standards and Technology

**\*Demonstrated  
Areas of Proficiency**

**Mass**

Echelon I

30 kg - 1 mg  
1,000 lb - 1 µlb

Echelon II

30 kg - 1 mg  
4 oz - 0.03125 oz

Echelon III

100 kg - 1 mg  
1,000 lb - 0.001 lb  
8 oz - 0.03125 oz

Weight Carts

5,000 lb - 2,000 lb

Wheel Load Weighers

40,000 lb - 5,000 lb

**Volume**

Gravimetric, I

200 L - 1 L  
125 gal - 1 gill

Volume transfer, II

5,000 L - 19 L  
1,500 gal - 5 gal  
300 gal - 20 gal LPG

**Length**

Steel tapes

90 m - 10 cm  
100 ft - 1 ft

Rigid rules 72 in - 6 in

Special (shellfish) 6 in - 1 in

**Frequency**

Tuning forks 60 m/hr

**Time**

Stopwatches  
> 3 hr

~ Certificate of Measurement Traceability ~  
for

**Maine**

**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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*Title*

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