

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

## **\*Demonstrated Areas of Proficiency**

### **Mass**

Echelon II  
25 kg - 1 mg  
50 lb - 1  $\mu$ lb  
2,500 lb - 500 lb (Internal Only)  
Echelon III  
1,000 kg - 1 mg  
2,500 lb - 0.001 lb  
8 oz - 0.03125 oz  
Lottery Balls  
80 g - 3 g  
Weight Carts  
5,000 lb - 3,000 lb

### **Volume**

Gravimetric, I  
20 L  
10 gal - 2 fl oz  
Volume Transfer, II  
120 L - 20 L  
2,000 gal - 1 gill  
100 gal - 25 gal LPG  
Dry Measures (mulch boxes)  
 $\leq 3 \text{ ft}^3$

### **Length**

Steel tapes  
60 m - 0.1 m, 210 ft - 1 ft  
Fabric tapes  
300 ft - 1 ft, 12 yd - 0.25 yd  
Rigid rules  
24 in - 0.5 in, 16 ft - 1 ft

### **Temperature**

IV 40 °C - 0 °C, 110 °F - 32 °F

### **Time**

Stopwatches  
72 hr - 1 hr

Note: This Scope does not cover calibrations  
at remote locations.

~ Certificate of Measurement Traceability ~  
for

# New York

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

# 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, Office of Weights and Measures  
Title

January 1, 2012 to December 31, 2012  
Effective Date

