

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

~ Certificate of Measurement Traceability ~  
for

**Pennsylvania**

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

**2010 - 2011**

**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, 2010 to December 31, 2011

*Effective Date*



**\*Demonstrated  
Areas of Proficiency**

**Mass**

Echelon II

30 kg - 1 mg

50 lb - 0.001 lb

Echelon III

2,500 kg - 1 mg

5,000 lb - 0.001 lb

8 oz - 0.03125 oz

200 oz t - 0.005 oz t

Weight Carts

6,000 lb - 2,000 lb

Wheel Load Weighers

40,000 lb - 10,000 lb

**Volume**

Gravimetric, I

20 L

10 gal - 1 gal

Volume transfer, II

20 L

1,500 gal - 5 gal

**Length**

Steel tapes

200 ft - 0 ft

**Time**

Stopwatches

≤ 24 hrs