

United States Department of Commerce National Institute of Standards and Technology

***Demonstrated Areas of Proficiency**

Mass

Echelon I

1 kg - 1 mg

Echelon II

20 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

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

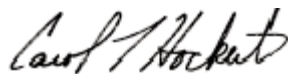
~ Certificate of Measurement Traceability ~
for

Maryland

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

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).



Carol T. Hockert,
for the National Institute of Standards and Technology

Chief, Weights and Measures Division

Title

January 1, 2011 to December 31, 2012

Effective Date

