

**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

1000 lb - 500 lb

Echelon III

30 kg - 1 mg

10 000 lb - 0.001 lb

8 oz - 0.03125 oz

Volume

Gravimetric, I

15 gal - 2 fl oz

Volume transfer, II

1800 gal - 5 gal

Length

Steel tapes 100 ft - 1 ft

Rigid rules 48 in - 1 in

Grain Moisture

25 % - 8 %

Time

Stopwatches 3 hr

Temperature

Echelon II 5 °C - 95 °C

~ Certificate of Measurement Traceability ~
for

Maryland

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

2008

**The State standards are traceable to NIST and the laboratory
has demonstrated* measurement proficiency through training
and interlaboratory comparisons.**



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

Chief, Weights and Measures Division

Title

February 1, 2008

Effective Date

