

United States Department of Commerce
National Institute of Standards and Technology

***Demonstrated
Areas of Proficiency**

Mass

Echelon I
30 kg - 1 mg
Echelon II
50 kg - 1 mg
1,000 lb - 0.001 lb
8 oz - 0.015625 oz
Echelon III
1,000 kg - 1 mg
2,500 lb - 0.001 lb
8 oz - 0.03125 oz
Weight Carts
6,000 lb - 3,000 lb
Wheel Load Weighers
36,000 lb - 12,000 lb

Volume

Gravimetric, I
5 L - 100 mL
5 gal - 0.25 gal
Volume Transfer, II
20 L - 100 mL
1,500 gal - 1 gal
100 gal - 20 gal LPG

Length

Steel tapes 40 m - 1 m
 300 ft - 1 ft
Rigid rule 100 cm - 10 cm
 96 in - 6 in

Grain Moisture

23 % - 13 %

~ Certificate of Measurement Traceability ~
for

South Carolina

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

2012 - 2013

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, 2013
Effective Date

