

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

~ **Certificate of Measurement Traceability** ~  
for

**South Carolina**

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

**2007-2008**

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



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for the National Institute of Standards and Technology*

**Chief, Weights and Measures Division**

*Title*

**January 1, 2008**

*Effective Date Updated*



**\*Demonstrated  
Areas of Proficiency**

**Mass**

Echelon I

30 kg - 1 mg

Echelon II

30 kg - 1 mg

50 lb - 1  $\mu$ lb

Echelon III

500 kg - 1 mg

1000 lb - 0.001 lb

8 oz - 0.03125 oz

**Volume**

Gravimetric, I

5 L - 100 mL

1 gal - 1 gill

Volume transfer, II

1500 gal - 5 gal

**Length**

Steel tapes            100 ft - 0 ft

Rigid rules            1 m - 0 mm

12 in - 0 in

**Grain Moisture**

23 % - 13 %

**Wheel Load Weighers**

$\leq$  40 000 lb