

# United States Department of Commerce

## National Institute of Standards and Technology

Certificate of Metrological Traceability For:

# South Carolina

This laboratory has demonstrated evidence of an unbroken chain of metrological traceability of its standards to the international system of units (SI), documented measurement uncertainties, uses documented measurement procedures, successfully completed training and proficiency tests, documented calibration intervals, submitted a quality management system, and demonstrated suitable measurement assurance for the Scope listed on this certificate.

The Office of Weights and Measures Program assesses laboratories to NIST Handbook 143 - Program Handbook for State Weights and Measures Laboratories and ISO/IEC 17025:2005.

### *Scope*

#### **Mass Echelon I**

30 kg to 1 mg

#### **Mass Echelon II**

50 kg to 1 mg

1000 lb to 0.001 lb

8 oz to 0.015625 oz

#### **Mass Echelon III**

1000 kg to 1 mg

2500 lb to 0.001 lb

8 oz to 0.015625 oz

#### **Weight Carts**

6000 lb to 2500 lb

#### **Wheel Load Weighers**

36 000 lb to 12 000 lb

#### **Volume Gravimetric, I**

20 L to 100 mL

5 gal to 1 gal

#### **Volume Transfer, II**

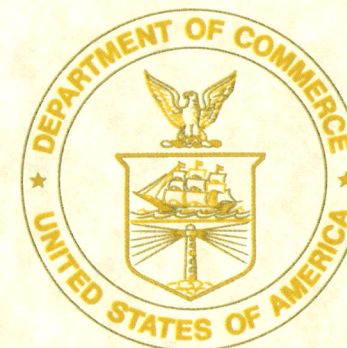
20 L to 1 L

1500 gal to 1 gal

100 gal to 20 gal LPG

#### **Grain Moisture**

23 % to 13 %



2016 to 2018

*Douglas A. Olson*

Douglas A. Olson, Chief  
NIST Office of Weights and Measures

Effective Dates: 2016-01-01 to 2018-06-30

Amended 2017-12-31. Scope dates  
extended for new laboratory facility  
construction.