

# United States Department of Commerce

## National Institute of Standards and Technology

Certificate of Metrological Traceability For:

# Pennsylvania

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.



2014 - 2015

### Scope

#### Mass Echelon II

30 kg to 1 mg  
50 lb to 0.001 lb

#### Mass Echelon III

2500 kg to 1 mg  
5000 lb to 0.001 lb  
8 oz to 0.03125 oz  
200 oz t to 0.005 oz t

Weight Carts  
6000 lb to 2000 lb

Wheel Load Weighers  
≤ 40 000 lb only

#### Volume Gravimetric, I

20 L to 5 L  
10 gal to 1 gal

#### Volume Transfer, II

5000 L to 20 L  
1500 gal to 1 gal

#### Length

Bench, Steel Tapes  
≤ 200 ft only

#### Time

Stopwatches  
≤ 24 h

#### Force

≤ 50 lbf only

A handwritten signature in blue ink that reads "Carol T. Hockert".

Carol T. Hockert, Chief  
NIST Office of Weights and Measures

Effective Dates: 2014-01-01 to 2015-12-31