



Accredited Laboratory

A2LA has accredited

HUNTER ASSOCIATES LABORATORY, INC

Reston, VA

for technical competence in the field of

Calibration

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets R205 – Specific Requirements: Calibration Laboratory Accreditation Program. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).



Presented this 21st day of May 2021.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 6005.01
Valid to April 30, 2023

For the calibrations to which this accreditation applies, please refer to the laboratory's Calibration Scope of Accreditation.



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

HUNTER ASSOCIATES LABORATORY, INC.
11491 Sunset Hills Rd
Reston, VA 20190
Bill Babiarz Phone: 703 471 6870

CALIBRATION

Valid To: April 30, 2023

Certificate Number: 6005.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following calibrations^{1,4}:

I. Optical Quantities

Parameter/Equipment	Range ⁵	CMC ^{2, 3, 6} (±)	Comments
d/8 RSIN Spectral Reflectance Factor – Measuring Equipment	(80 to 100) % R (360 to 400) nm (410 to 720) nm (730 to 780) nm	0.67 % 0.70 % 0.70 %	Reflectance standard tile
d/8 RSEX Spectral Reflectance Factor – Measuring Equipment	(80 to 100) % R (360 to 400) nm (410 to 720) nm (730 to 780) nm	0.69 % 0.70 % 0.70 %	Reflectance standard tile
0/45 Spectral Reflectance Factor – Measuring Equipment	(80 to 100) % R (400 to 420) nm (430 to 680) nm (690 to 700) nm	0.67 % 0.70 % 0.70 %	Reflectance standard tile
0/T Spectral Transmittance Factor – Measuring Equipment	100 % T (400 to 420) nm (430 to 680) nm (690 to 700) nm	0.67 % 0.70 % 0.70 %	Transmission standard filter, ASTM E-1164

¹ This laboratory offers commercial calibration service.

² Calibration and Measurement Capability Uncertainty (CMC) is the smallest uncertainty of measurement that a laboratory can achieve within its scope of accreditation when performing more or less routine calibrations of nearly ideal measurement standards or nearly ideal measuring equipment. CMCs represent expanded uncertainties expressed at approximately the 95 % level of confidence, usually using a coverage factor of $k = 2$. The actual measurement uncertainty of a specific calibration performed by the laboratory may be greater than the CMC due to the behavior of the customer's device and to influences from the circumstances of the specific calibration.

³ In the statement of CMC, percentages are percentage of reading, unless otherwise indicated.

⁴ This scope meets A2LA's *P112 Flexible Scope Policy*.

⁵ In the statement of range, R is defined as reflectance and T is defined as transmittance.

⁶ The type of instrument or material being calibrated is defined by the parameter. This indicates the laboratory is capable of calibrating instruments that measure or generate the values in the ranges indicated for the listed measurement parameter.