SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

NTS Labs, LLC Tinton Falls
New Jersey Facility
36 Gilbert Street South
Tinton Falls, NJ 07701
Eric Loucks Phone: 732 936 0800

MECHANICAL

Valid to: September 30, 2023 Certificate Number: 0214.21

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following Environmental Simulation tests:

Test Description/Equipment Parameters:	**Test Standard(s)/Method(s) [1]:**
Explosive Atmosphere[2] *40,000 ft. max*	MIL-STD-810* (Method 511.5); RTCA DO 160 (Section 9)
Thermal Shock[2] *(-50 to 148.7) °C*	MIL-STD-810* (Method 503)
High/Low Temperature[2] *(-80 to 175) °C*	MIL-STD-202* (Methods 103, 106, 107, 108); MIL-STD-810* (Methods 501, 502, 509, 507); GR-63-CORE* (Section 5.1)
Temp & Temp/Humidity[2] *(25 to 70) °C* *(5 °C per minute ramp)* *(30 to 95) %RH*	MIL-STD-883* (Methods 1004, 1005, 1008, 1010, 1011, 1012, 1013); RTCA DO 160* (Sections 5, 6); GR-63-CORE* (Section 5.1)
Temperature/Altitude[2] *(-65 to 80) °C* *90,000 ft.*	MIL-STD-810* (Methods 500, 520); RTCA DO 160* (Section 4); GR-63-CORE* (Section 5.1)
Blowing Rain[2] *(up to 100 mph)* *(up to 6 inches per hour)*	MIL-STD-810* (Method 506) Procedure I
Fungus Resistance	MIL-STD-810* (Method 508); GR-487; RTCA DO 160* (Section 13); ASTM G21
Salt Fog/Spray	MIL-STD-810* (Method 509); RTCA DO 160* (Section 14); ASTM B117

5202 Presidents Court, Suite 220 | Frederick, MD 21703-8515 | Phone: 301 644 3248 | Fax: 240 454 9449 | www.A2LA.org

Test Description/Equipment Parameters:	**Test Standard(s)/Method(s) [1]:**
Resistance to Solvents	MIL-STD-202* (Method 215)
Fluid Susceptibility	RTCA DO 160* (Section 11); MIL-STD-810G Method 504.2
Icing/Freezing Rain	MIL-STD-810* (Method 521)
Hail/Ballistic Impact	ASTM E822; ASTM F320; ANSI Z87.1; MIL-PRF-31013
Waterproofness	RTCA DO 160* (Section 10)
Leakage (Immersion)	MIL-STD-810* (Method 512)
Sand and Dust	MIL-STD-810* (Method 510.5); MIL-STD-202* (Method 110A); ETSI EN 300 019* (Sections 2-1, 2-2, 2-3, 2-4); RTCA DO 160* (Section 12)

On the Following Product Types:
Aerospace, Defense, Telecommunications, Electrical, Electronics, Automotive, Information Processing, Scientific Instruments, and Commercial

*Note: The laboratory's accreditation includes all revisions of the standards identified by this mark above.

[1] When the date, edition, version, etc. is not identified in the scope of accreditation, laboratories may use the version that immediately precedes the current version for a period of one year from the date of publication of the standard measurement method, per part C., Section 1 of A2LA *R101 - General Requirements- Accreditation of ISO-IEC 17025 Laboratories*.

[2] Also using customer specific test methods utilizing any combination of test equipment parameters listed.

Accredited Laboratory

A2LA has accredited

NTS LABS, LLC TINTON FALLS

Tinton Falls, NJ

for technical competence in the field of

Mechanical Testing

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 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 2019*).

Presented this 17th day of January 2022.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 0214.21
Valid to September 30, 2023
Revised September 19, 2022

For the types of tests to which this accreditation applies, please refer to the laboratory's Mechanical Scope of Accreditation.