



The American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

CINCINNATI SUB-ZERO PRODUCTS TESTING DIVISION, INC.

Cincinnati, OH

for technical competence in the field of

Mechanical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *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 8 January 2009).



Presented this 2nd day of August 2010.



Peter Meyer

President & CEO
For the Accreditation Council
Certificate Number 0503.01
Valid to July 31, 2012

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



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

CINCINNATI SUB-ZERO PRODUCTS TESTING DIVISION, INC.

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Cincinnati, OH 45241

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MECHANICAL

Valid To: July 31, 2012

Certificate Number: 0503.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the tests listed on the following products or types of products: Aircraft, automotive, computer, electronics and transit systems; commercial assemblies/components; metals and alloys; heat exchangers; packaging and containers; plastics and polymers; medical assemblies; paints and coatings.

Test Description:

Test Method(s)/Standard(s):

Environmental/Durability Simulation

High/Low Temperature: (-75 to 190)°C

Humidity: (10 to 95)%RH

Thermal Shock: (-75 to 190)°C

Shock: Up to 100 g's, 11 msec.

Vibration: (5 to 3000) Hz with Combined
Environmental Temperature: (-73 to 190)°C;
Humidity: (10 to 95)%RH

Sine: 8,000 force-lbs.

Random: 6,000 force-lbs.

Salt Spray

Altitude Simulation: Up to 92,000 feet

Drop Test

Radiator Testing: Thermal and Pressure

ASTM D5516 (Section 7.1.2);
Hyundai ES84500-14; Chrysler PF9007;
MIL-STD-810F Methods 501.4 and 502.4
ASTM D5516 (Section 7.1.2); SAE USCAR-24;
MIL-STD-810F Method 507.4
Chrysler PF9007; GMW3112;
MIL-STD-810F Method 503.4
IEC 60068-2-27; GMW3118; SAE USCAR-24;
MIL-STD-810F Method 516.5
IEC 60068-2-6; IEC 68-2-35; SAE USCAR-24;
MIL-STD-810F Method 520.2

ASTM B117; SAE USCAR-24;
MIL-STD-810F Method 509.4; MIL-STD 331B
AK-LV-03; MIL-STD-810F Method 520.2;
RTCA/DO160

SAE USCAR-24; AK-LV-03; Chrysler PF9007;
MIL-STD-810F Method 516.5

PF7435; SAE J1542

Test Description:

Test Method(s)/Standard(s):

Pre and Post Analysis:

Auto Test Leak Detection
(2×10^{-10} to 10) cc/sec – Helium
Electrical Properties
Weight

SAE USCAR-24; AK-LV-03

SAE USCAR-24
AK-LV-03

Also using customer specific test methods utilizing any combination of test equipment parameters listed above.