



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

AUSTEST LABORATORIES
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MECHANICAL

Valid To: November 30, 2025

Certificate Number: 2765.03

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory at the location listed above to perform the following environmental and mechanical tests on products, components and materials used in aerospace, naval, defence, space, automotive, mining, rail, medical, industrial, consumer goods, electronics, electrical, scientific, packaging, transportation, lighting, household, building and agriculture applications:

Test Technology:

***Climactic
(temperature,
humidity, thermal
shock)***

Test Method(s):

IEC/EN/AS 60068-2-2; IEC/EN/AS 60068-2-30;
IEC/EN/AS 60068-2-14; IEC/EN/AS 60068-2-1;
IEC/EN/AS 60068-2-78; IEC/EN/AS 60068-2-38;
IEC/EN/AS 60068-2-39; IEC/EN/AS 60068-2-66;
IEC/EN/AS 60068-2-67;
IEC/EN 50155:2007; 2017; 2021;
MIL-STD-810 D, E, F, G, G w/Change 1, H, H w/Change 1;
AECTP 300 (Edition 3);
MIL-STD-202G;
DEF STAN 00-035 2006, 2017;
DEF(AUST)5681:1998; DEF(AUST)5168 / Issue 2:2009;
RTCA DO160G;
ISTA Series 1-7;
ASTM F2825; ASTM D4332;
EN 50125-3;
AS/NZS 1158.6;
ISO/AS 7240.2;
GMW14650;
ISO 16750-4;
SAE-J1455;
AREMA C&S Manual;
AS3789:2014; AS4607:1999;
ST/AG/AC.10/11/Rev. 6:2015;
BS/EN 45502-1; BS/EN 45502-2-3;
AS/ISO 14708.1;
IATA PI968;
IEC 61243-2;
ISO15003;
GMW3172; GMW14650;
Ford CETP 00.00-E-412;
SAE/USCAR-2;
CS.00056;
DEF(AUST)1000 Part 4

**Fluids
(susceptibility,
exposure,
contamination)**

IEC/EN/AS 60068-2-74;
MIL-STD-810 D, E, F, G, G w/Change 1, H, H w/Change 1;
AECTP 300 (Edition 3);
DEF STAN 00-035 2006, 2017;
DEF(AUST)5681:1998;
RTCA DO160G;
EN 50125-3;
ISO15003

Icing / Freezing

MIL-STD-810 D, E, F, G, G w/Change 1, H, H w/Change 1;
AECTP 300 (Edition 3);
DEF STAN 00-035 2006, 2017;
EN 50125-3;
ISO15003

**Mechanical
vibration
(Sinusoidal,
random, S-o-R, R-o-
R, asynchronous,
bounce)**

IEC/EN/AS 60068-2-6; IEC/EN/AS 60068-2-64;
IEC/EN/AS 60068-2-55; IEC/EN/AS 60068-3-3;
MIL-STD-810 D, E, F, G, G w/Change 1, H, H w/Change 1;
AECTP 400 (Edition 3);
DEF STAN 00-035:2006, 2017;
MIL-STD-167 -1, -1A, Type I – Environmental;
MIL-STD-202G;
ISTA Series 1-6;
ASTM D4169-09, -14, -16, -22, -23; ASTM D7386;
ASTM D4728; ASTM D999;
IEC 60255-21-1; IEC 60255-21-2; IEC 60255-21-3;
ISO 16750-3;
DEF(AUST)5681:1998;
RTCA DO160G;
IEC/EN 61373:2010;
IEC/EN 50155:2007; 2017; 2021;
AS/NZS 3439.5; AS/NZS 1158.6;
ISO/AS 7240.2;
GMW3172;
SAE-J1455;
ANSI C136.31;
AREMA C&S Manual;
IEC 61243-2;
IATA PI968;
EN 50125-3;
ST/AG/AC.10/11/;
BS/EN 45502-1;
IEEE 344-8;
BS/EN 45502-1; BS/EN 45502-2-3;
AS/ISO 14708.1;
ISO15003;
IEC 60601-1-11;
SAE/USCAR-2;
CS.00056;
GMW3172;
Ford CETP 00.00-E-412;
DEF(AUST)1000C Part 9 / Issue 3;
DEF(AUST)1000 Part 4;
GSFC-STD-7000B;
SpaceX Rideshare User Guide

***Mechanical shock
(classical, SRS) and
bump***

IEC/EN/AS 60068-2-27;
IEC/EN/AS 60068-2-31;
IEC/EN/AS 60068-2-81;
MIL-STD-810 D, E, F, G, G w/Change 1, H, H w/Change 1;
DEF STAN 00-035:2006, 2017;
MIL-STD-202G;
ISTA Series 1-6;
ASTM D4169-09, -14, -16, -22, -23;
ASTM D4003;
ASTM D5487;
IEC 60255-21-1; IEC 60255-21-2; IEC 60255-21-3;
ISO 16750-3;
DEF(AUST)5681:1998;
RTCA DO160G;
IEC/EN 61373:2010;
IEC/EN 50155:2007; 2017; 2021;
AS/NZS 3439.5;
GMW3172;
SAE-J1455;
AREMA C&S Manual;
IATA PI968;
EN 50125-3;
ST/AG/AC.10/11/;
BS/EN 45502-1; BS/EN 45502-2-3;
AS/ISO 14708.1;
MAP 01-470:2012;
DEF(AUST)5000-Vol 07 Pt 23 Sec 03-Iss 01;
ISO15003;
IEC 60601-1-11;
SAE/USCAR-2;
CS.00056;
GMW3172;
Ford CETP 00.00-E-412;
DEF(AUST)1000C Part 9 / Issue 3;
DEF(AUST)1000 Part 4;
GSFC-STD-7000B;
SpaceX Rideshare User Guide

***Drop
(free-fall, vertical,
topple, roll, edge,
rotational)***

MIL-STD-810 D, E, F, G, G w/Change 1, H, H w/Change 1;
AECTP 400 (Edition 3);
DEF STAN 00-035:2006, 2017;
MIL-STD-202G;
ISTA Series 1-6;
ASTM D4169-09, -14, -16, -22, -23;
ASTM D6179;
ASTM D5276;
ISO 16750-3;
DEF(AUST)5681:1998;
GMW3172;
IEC 61243-2;
BS/EN 45502-1;
BS/EN 45502-2-3;
AS/ISO 14708.1;
IEC600601-1;
IEC 60601-1-11;
DEF(AUST)1000 Part 9 / Issue 3;
DEF(AUST)1000 Part 4

Impact

IEC 62262;
IEC/EN/AS 60068-2-75;
AECTP 400 (Edition 3)
DEF STAN 00-035:2006, 2017:
ISTA Series 1-6;
ASTM D4169-09, -14, -16, -22, -23;
ASTM D880; ASTM D4003;
ASTM D5265; ASTM D6344;
AS/NZS 1158.6;
ISO/AS 7240.2;
DEF(AUST)5681:1998;
AS/NZS 3439.5;
ISO/AS 7240.2;
GMW3172;
GMW14650;
IEC 61243-2;
IATA PI968;
ST/AG/AC.10/11/;
AS/NZS 3013;
BS/EN 45502-2-3;
ISO15003;
IEC600601-1;
DEF(AUST)1000C Part 9 / Issue 3;
DEF(AUST)1000 Part 4

**Force
(static, dynamic,
tension,
compression, push,
fatigue)**

AECTP 400 (Edition 3);
DEF STAN 00-035:2006, 2017:
ISTA Series 1-6;
ASTM D4169-09, -14, -16, -22, -23;
AS/NZS 1158.6; AS/NZS 3439.5;
AZ/NZS 4387.5; AZ/NZS 4387.6;
AZ/NZS 4387.7; AZ/NZS 4387.6;
AS/NZS 3013;
IEC600601-1;
DEF(AUST)1000C Part 9 / Issue 3;
DEF(AUST)1000 Part 4

**Forklift /
Mechanical
handling
Inclination**

ISTA Series 1-6;
ASTM D4169-09, -14, -16, -22, -23; ASTM D6055;

MIL-HDBK-2036

**Enclosure / Ingress
protection (water,
dust and probes)**

IEC/EN/AS 60068-2-18;
IEC/EN/AS 60068-2-68;
AS/NZS/IEC/EN 60529;
ISO 20653;
IEC/EN 50155:2007; 2017; 2021;
MIL-STD-810 D, E, F, G, G w/Change 1, H, H w/Change 1;
AECTP 300 (Edition 3);
DEF STAN 00-035:2006, 2017;
DEF(AUST)5681:1998;
SAE-J1455;
EN 50125-3;
MIL-STD-202G;
ASTM D951;
ISO15003;
DEF(AUST)1000 Part 4

**Corrosion
(salt-
spray/fog/mist)**

IEC/EN/AS 60068.2.52; IEC/EN/AS 60068-2-11;
ASTM B117 Salt Spray;
RTCA DO160G;
IEC/EN 50155:2007; 2017; 2021;
MIL-STD-810 D, E, F, G, G w/Change 1, H, H w/Change 1;
AECTP 300 (Edition 3);
DEF STAN 00-035:2006, 2017;
DEF(AUST)5681:1998;
SAE-J1455;
MIL-STD-202G;
ISO15003;
GMW3172;
DEF(AUST)1000C Part 9 / Issue 3

**Altitude and
Pressure
(gas, liquid, low,
high, change, de-
compression and
leakage)**

IEC/EN 60068-2-13;
MIL-STD-810 D, E, F, G, G w/Change 1, H, H w/Change 1;
AECTP 300 (Edition 3);
SAE-J1455;
DEF STAN 00-035:2006, 2017;
ISTA – Series 1-6
IATA PI968;
RTCA DO160G;
ASTM F2096, Test Method A; ASTM D6653;
ASTM D4169-09, -14, -16, -22, -23;
DEF(AUST)5681:1998;
EN 50125-3;
MIL-STD-202G;
AS/NZS 3707;
ST/AG/AC.10/11;
BS/EN 45502-1; BS/EN 45502-2-3;
AS/ISO 14708.1;
ISO15003;
DEF(AUST)1000C Part 9 / Issue 3; DEF(AUST)1000 Part 4

Acoustics

IEC 60704-2-14; IEC 60704-1; IEC 60068-2-65;
MIL-STD-1474D; MIL-STD-1474E; MIL-STD-740B;
MIL-STD-740-1; MIL-STD-740-2;
ISO 3744;
AS3789:2014; AS4607:1999

**Ageing
(UV & Solar
Radiation)**

MIL-STD-810 D, E, F, G, G w/Change 1, H, H w/Change 1;
AECTP 300 (Edition 3);
IEC 60068-2-5;
ISO 4892-2; ISO 11341; ISO 105-B02; ISO 105-B04;
ASTM D4459; ASTM D1248; ASTM D2565;
ASTM D4434 / D4434M; ASTM D4798 / D4798M;
ASTM D4799 / D4799M; ASTM D6695; ASTM C1257;
ASTM C1442; ASTM C1501; ASTM C1519; ASTM C732;
ASTM C734; ASTM C793; ASTM D1148; ASTM D3451;
ASTM D4329; ASTM D4587; ASTM D4674-02a; ASTM D5208;
ASTM D5894; ASTM D6577; ASTM D750; ASTM D904;
ASTM D925; ASTM G151; ASTM G154; ASTM G155;
DEF STAN 00-35, Part 3, Issue 4;
ISO 4892-3; ISO 15003;
EN 50125-3;
ASTM G53;
GMW14650



Accredited Laboratory

A2LA has accredited

AUSTEST LABORATORIES

Castle Hill, NSW, Australia

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 2017).



Presented this 16th day of May 2024.

A blue ink signature of Mr. Trace McInturff.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2765.03
Valid to November 30, 2025
Revised May 31, 2024

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