



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

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MECHANICAL

Valid To: June 30, 2026

Certificate Number: 7256.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following tests on automotive, electrical, electronic, and mechanical components and assemblies:

<u>Test:</u>	<u>Test Methods:</u>
Dynamic test (sine vibration)	IEC 60068-2-6 ISO 16750-3 ISO 16750-3 (Superseded 2015) LV 124-2 MBN LV 124-2 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 PSA B21 7120 Renault: 36-00-802 Renault: 36-00-802 (Superseded 2013) Fiat CS.00056 TPJLR 18.125 CNH ENS0310 MIL STD 810, MIL-STD-167-1 <sup>a</sup> , MIL-STD D999 -01 ASTM D4169-23 STANAG 4370 AECTP 400 EN 60945 DNV-CG-0339-2021 LLOYD'S TEST SPECIFICACION NUMER 1-2020 RTCA/DO 160 EUROCAE/ED-14G ETSI EN 300 019-2

<b><u>Test:</u></b>	<b><u>Test Methods:</u></b>
Dynamic test (random vibration)	IEC 60068-2-64 ISO 16750-3 ISO 16750-3 (Superseded 2015) ISO 13355 LV 124-2 MBN LV 124-2 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 PSA B21 7120 Renault: 36-00-802 Renault: 36-00-802 (Superseded 2013) Fiat CS.00056 TPJLR 18.125 CNH ENS0310 MIL STD 810, MIL STD 4728-17 ASTM D4169-23 STANAG 4370 AECTP 400 ETSI EN 300 019-2
Dynamic test (shock)	IEC 60068-2-27 ISO 16750-3 ISO 16750-3 (Superseded 2015) LV 124-2 MBN LV 124-2 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 Renault: 36-00-802 Renault: 36-00-802 (Superseded 2013) Fiat CS.00056 TPJLR 18.125 CNH ENS0310 MIL STD 810 STANAG 4370 AECTP 400 RTCA/DO 160 EUROCAE/ED-14G ETSI EN 300 019-2
Dynamic test (SRS)	IEC 60068-2-81 MIL STD 810 STANAG 4370 AECTP 400

<b><u>Test:</u></b>	<b><u>Test Methods:</u></b>
Dynamic test (mixed mode)	IEC 60068-2-64 ISO 16750-3 ISO 16750-3 (Superseded 2015) LV 124-2 MBN LV 124-2 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 PSA B21 7120 Renault: 36-00-802 Renault: 36-00-802 (Superseded 2013) Fiat CS.00056 TPJLR 18.125 CNH ENS0310 STANAG 4370 AECTP 400 MIL STD 810
Combined climatic and dynamic	IEC 60068-2-53 ISO 16750-3 ISO 16750-3 (Superseded 2015) LV 124-2 MBN LV 124-2 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 PSA B21 7120 Renault: 36-00-802 Renault: 36-00-802 (Superseded 2013) Fiat CS.00056 TPJLR 18.125 CNH ENS0310 MIL STD 810 STANAG 4370 AECTP 400

<b><u>Test:</u></b>	<b><u>Test Methods:</u></b>
Free fall test	IEC 60068-2-31 ISO 16750-3 ISO 16750-3 (Superseded 2015) LV 124-2 MBN LV 124-2 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 PSA B21 7120 Renault: 36-00-802 Renault: 36-00-802 (Superseded 2013) Fiat CS.00056 TPJLR 18.125 CNH ENS0310 MIL STD 810 STANAG 4370 AECTP 400 ETSI EN 300 019-2
Acoustic test	ISO 3744, ISO 3746, ISO 11201 V2, ISO 11202 V2, ISO 11204 V2
Temperature exposure (cold)	IEC 60068-2-1 ISO 16750-4 ISO 16750-4 (Superseded 2010) LV 124-2 MBN LV 124-2, MBN 10306 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 Renault: 36-00-802 Renault: 36-00-802 (Superseded 2013) Fiat CS.00056 TPJLR 18.125 CNH ENS0310 28400NDS00 PV1200 EG-812-22611 MIL-STD-810 AECTP 300 RTCA/DO 160 SAE J903, SAE J1455 PSA B21 7130

<b><u>Test:</u></b>	<b><u>Test Methods:</u></b>
Temperature exposure (dry heat)	IEC 60068-2-2 ISO 16750-4 ISO 16750-4 (Superseded 2010) LV 124-2 MBN LV 124-2, MBN 10306 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 Renault: 36-00-802 Renault: 36-00-802 (Superseded 2013) Fiat CS.00056 TPJLR 18.125 CNH ENS0310 PSA B21 7130 26410NDS00, 28400NDS00 PV1200 TPJLR.18.125 EG-812-22611 MIL-STD-810 AECTP 300 RTCA/DO 160 SAE J903, SAE J1455
Thermal shock (air to air)	IEC 60068-2-14 IEC 60068-2-14 (Superseded 2009) ISO 16750-4 ISO 16750-4 (Superseded 2010) LV 124-2 MBN LV 124-2, MBN 10306 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 Renault: 36-00-802 Renault: 36-00-802 (Superseded 2013) Fiat CS.00056 TPJLR 18.125 CNH ENS0310 PSA B21 7130 26410NDS00, 28400NDS00 PV1200 TPJLR.18.125 EG-812-22611 MIL-STD-810 AECTP 300 RTCA/DO 160 SAE J1455

<b><u>Test:</u></b>	<b><u>Test Methods:</u></b>
Humidity test	IEC 60068-2-30, IEC 60068-2-38 ISO 16750-4 ISO 16750-4 (Superseded 2010) LV 124-2 MBN LV 124-2 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 Renault: 36-00-802 Fiat CS.00056 TPJLR 18.125 CNH ENS0310 PSA B21 7130, 7120 26410NDS00, 28400NDS00 PR 308.2 PV1200 TPJLR.18.125 EG-812-22611 MIL-STD-810
Damp heat, Steady stage	IEC 60068-2-78 ISO 16750-4 ISO 16750-4 (Superseded 2010) LV 124-2 MBN LV 124-2 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 Fiat CS.00056 TPJLR 18.125 CNH ENS0310 PSA B21 7130 Renault: 36-00-802
Dust test	ISO 16750-4 ISO 16750-4 (Superseded 2010) ISO 20653 ISO 20653 (Superseded 2013) IEC 60529 LV 124-2 MBN LV 124-2, MBN 10306 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 TPJLR.18.125 Renault: 36-00-802



<b><u>Test:</u></b>	<b><u>Test Methods:</u></b>
Water protection test	ISO 16750-4 ISO 16750-4 (Superseded 2010) ISO 20653 ISO 20653 (Superseded 2013) IEC 60529 LV 124-2 MBN LV 124-2, MBN 10306 VW 80000 VW 80000 (Superseded 2013; 2017) GM: GMW 3172 GMW 3172 (Superseded 2015; 2018) BMW: GS 95024-3-1 TPJLR.18.125 Renault: 36-00-802
Cross section inspection and Visual inspection	ASTM E4, ASTM E340
X-Ray inspection	IPC TM-610
Salt Spray test	ISO 9227 ASTMB117 EN 60068-2-11, EN 60068-2-52 ISO 16750-4 ISO 16750-4 (Superseded 2010) VW 80000 VW 80000 (Superseded 2013; 2017) MBN LV 124-2, MBN 10306 GS 95024-3-1 36-00-802 CS.00056 ENS0310 TPJLR.18.125 SAE J1455
Solar Radiation test	DIN 75220 EN 60068-2-5 ISO 16750-4 ISO 16750-4 (Superseded 2010) ISO 4892-2 MBN LV 124-2, MBN 10306 GS 95024-3-1 CS.00056 ENS0310 TPJLR.18.125 VW 80000, VW 80000 (Superseded 2013; 2017)
Chemical test	ISO 16750-5 MBN LV 124-2, MBN 10306 GS 95024-3-1 CS.00056 TPJLR.18.125 SAE J903



# Accredited Laboratory

A2LA has accredited

## LGAI TECHNOLOGICAL CENTER S.A.

*Bellaterra, SPAIN*

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 19<sup>th</sup> day of June 2024.

A blue ink signature of Mr. Trace McInturff, written in a cursive style.

Mr. Trace McInturff, Vice President, Accreditation Services  
For the Accreditation Council  
Certificate Number 7256.02  
Valid to June 30, 2026

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