



PERRY JOHNSON LABORATORY ACCREDITATION, INC.

Certificate of Accreditation

Perry Johnson Laboratory Accreditation, Inc. has assessed the Laboratory of:

GESTLABS S.r.l.

Via Lecco, 61 Ingresso da Via Kennedy, Gate 2, 20871 Vimercate (MB), Italy

*(Hereinafter called the Organization) and hereby declares that Organization is accredited
in accordance with the recognized International Standard:*

ISO/IEC 17025:2017

This accreditation demonstrates technical competence for a defined scope and the
operation of a laboratory quality management system
(as outlined by the joint ISO-ILAC-IAF Communiqué dated April 2017):

***Electrical Tests on Electronic Components, Thermal Test in Climatic Chambers,
and Mechanical Tests on Packaging and Electronic Components
(Shipping Tests)
(As detailed in the supplement)***

Accreditation claims for such testing and/or calibration services shall only be made from addresses referenced within this certificate. This Accreditation is granted subject to the system rules governing the Accreditation referred to above, and the Organization hereby covenants with the Accreditation body's duty to observe and comply with the said rules.

For PJLA:

Tracy Szerszen
President/Operations Manager

Initial Accreditation Date:

April 20, 2019

Issue Date:

April 20, 2019

Expiration Date:

April 30, 2021

Accreditation No.:

100622

Certificate No.:

L19-221

Perry Johnson Laboratory
Accreditation, Inc. (PJLA)
755 W. Big Beaver, Suite 1325
Troy, Michigan 48084

*The validity of this certificate is maintained through ongoing assessments based on a
continuous accreditation cycle. The validity of this certificate should be
confirmed through the PJLA website: www.pjllabs.com*



Certificate of Accreditation: Supplement

GESTLABS S.r.l.

Via Lecco, 61 Ingresso da Via Kennedy, Gate 2, 20871 Vimercate (MB), Italy
Contact Name: Sig. Ettore Agostoni Phone: 039/89085164

Accreditation is granted to the facility to perform the following testing:

FIELD OF TEST	ITEMS, MATERIALS OR PRODUCTS TESTED	SPECIFIC TESTS OR PROPERTIES MEASURED	SPECIFICATION, STANDARD METHOD OR TECHNIQUE USED	RANGE (WHERE APPROPRIATE) AND DETECTION LIMIT
Electrical ^F	Electronic Components	Test B: Dry Heat	CEI EN 60068-2-2	D.L. = 180 °C
		Test N: Change of temperature (Na Test)	CEI EN 60068-2-14	-70 °C to 180 °C T transfer = < 30 sec -60 °C to 180 °C Gradient = 1 °C/min -40 °C to 180 °C ± Gradient = 3 °C/min -60 °C to 180 °C Gradient = 10 °C/min -60 °C to 170 °C Gradient = 15 °C/min
		Test Db: Damp heat, cyclic (12 h + 12 h cycle) Variant 1	CEI EN 60068-2-30	5 °C to 95 °C 10 % RH to 98 % RH
		Test Db: Damp heat, cyclic (12 h + 12 h cycle) Variant 2	CEI EN 60068-2-30	5 °C to 95 °C 20 % RH to 95 % RH
		Test Z/AD: Composite temperature/humidity cyclic test (Exposure to humidity followed by exposure to cold)	CEI EN 60068-2-38	-60 °C to 180 °C 10 % RH to 98 % RH
		Test Cab: Damp heat, steady state	CEI EN 60068-2-78	5 °C to 95 °C 10 % RH 98 % RH
Mechanical ^F	Packaging	Manual Handling, Warehouse Stacking, Vehicle Stacking, Stacked Vibration, Vehicle Vibration, Concentrated Impact (Flexible)	ASTM D4169	Maximum: 400 kg
		Random test with and without top load	ISTA 3A: Test Block 4	Maximum: 500 kg Frequency: 1 Hz to 300 Hz Displacement: 65 mm
		Vibration Random	ISTA 3E: Test Block 6	
		Compression: Machine Apply & Release, Machine Apply & Hold + Vibration: Fixed + Shock: Drop Test with Shock Machine + Vibration: Random	ISTA 2A: Test Block 3 + Test Block 4 + Test Block 5 + Test Block 6	4 Cells: 10 N, 100 N, 1 kN, 100 kN



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Accreditation is granted to the facility to perform the following testing:

1. The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer ^F would mean that the laboratory performs this testing at its fixed location.

