



# PERRY JOHNSON LABORATORY ACCREDITATION, INC.

## Certificate of Accreditation

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

**GESTLABS S.r.l.**

*Via Piave nr. 6, 23871 Lomagna (LC), 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):

***Environmental and mechanical tests on electronic components, equipment, other articles and packaged-products***  
*(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

*Initial Accreditation Date:*

April 20, 2019

*Issue Date:*

April 19, 2021

*Expiration Date:*

May 31, 2023

*Accreditation No.:*

100622

*Certificate No.:*

L21-355

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.pjilabs.com](http://www.pjilabs.com)*



# Certificate of Accreditation: Supplement

## GESTLABS S.r.l.

Via Piave nr. 6, 23871 Lomagna (LC), 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  |
|----------------------------|---|---|--|--|
| Environmental <sup>F</sup> | Electronic Components, equipment and other articles | Environmental testing Part 2-1: Tests - Test A: Cold  | CEI EN 60068-2-1                                 | D.L. = -60°C ±5°C  |
|                            |   | Environmental testing Part 2-2: Tests - Test B: Dry heat  | CEI EN 60068-2-2                                 | D.L. = 180°C ±5°C  |
|                            |   | Environmental testing Part 2-14: Tests - Test N: Change of temperature (excluded part 9)  | CEI EN 60068-2-14                                | -70°C ±5°C to +180°C ±5°C<br>T transfer <30 sec<br>Gradient from 1°C/min ±0.2°C/min to 10°C/min ±2°C/min |
|                            |   | Environmental testing Part 2: Tests - Test Db: Damp heat, cyclic (12 h + 12 h cycle)  | CEI EN 60068-2-30                                | From +5°C ±2°C to +95°C ±2°C<br>Humidity from 10% ±3% to 98±3%   |
|                            |   | Environmental testing Part 2: Tests - Test Z/AD: Composite temperature/humidity cyclic test (Exposure to humidity followed by exposure to cold) | CEI EN 60068-2-38                                | From -60 ±5°C to +180 ±5°C<br>Humidity from 10% to 98%   |
|                            |   | Environmental testing Part 2-78: Tests - Test Cab: Damp heat, steady state  | CEI EN 60068-2-78                                | From +5°C ±2°C to +95°C ±2°C<br>Humidity from 10% ±3% to 98% ±3%   |



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|-------------------------|-------------------------------------|---|---|---|
| Mechanical <sup>F</sup> | Packaged-Products                   | Manual Handling + Warehouse Stacking + Stacked Vibration + Loose Load Vibration | ASTM D4169: Schedule A + Schedule B + Schedule D + Schedule F<br>Standard Practice for Performance Testing of Shipping Containers and Systems | Max 500 kg                                    |
|                         |                                     | Random vibration with and without top load                                      | ISTA 3A: Test Block 4-6&7<br>Packaged-Products for Parcel Delivery System Shipment 70 kg (150 lb) or Less                                     | Max 70 kg<br>(Freq. 1÷200 Hz)                 |
|                         |                                     | Random Vibration  | ISTA 3E: Test Block 6<br>Similar Packaged-Products in Unitized Loads for Truckload Shipment   | Max 500 kg<br>(Freq. 1÷200 Hz)                |
|                         |                                     | Random Vibration  | ISTA 2A: Test Block 6<br>Packaged-Products 150lb (68 kg) or Less  | Max 68 kg<br>(Freq. 1÷200 Hz)                 |
|                         |                                     | Random vibration with and without top load                                      | ISTA 6-Amazon.com-SIOC: Test Block 12<br>Ships in Own Container (SIOC) for Amazon.com Distribution System Shipment                            | Max 500 kg<br>(Freq. 1÷200 Hz)                |

- The presence of a superscript F means that the laboratory performs testing of the indicated parameter at its fixed location. Example: Outside Micrometer <sup>F</sup> would mean that the laboratory performs this testing at its fixed location.