



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

WESTPAK, INC.
10326 Roselle Street, Suite 101
San Diego, CA 92121
Angela Barber Phone: (858) 623 - 8100

MECHANICAL

Valid To: January 31, 2028

Certificate Number: 2870.02

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory, and the satellite location listed below, to perform the following tests on customer products and package systems:

| <u>Test</u> | <u>Test Method(s)</u> |
|---|---|
| <u>Transport Simulation Performance Testing</u> | |
| Distribution Testing | ASTM D4169, D7386 |
| Mechanical Handling | ASTM D6055 |
| Non-simulation Integrity Performance Testing | ISTA 1A, 1B, 1C, 1D, 1E, 1G, 1H |
| Partial Simulation Performance Testing | ISTA 2A, 2B, 2C |
| General Simulation Performance Testing | ISTA 3A, 3B, 3E, 3F, 3L |
| Packaged Products for Sam's Club | 6-FEDEX-A, 6-FEDEX-B; ISTA 6 SAM'S CLUB |
| Packaged Products for Amazon | ISTA 6-Amazon.com-B, 6-Amazon.com Over Box (OB), 6-Amazon.com Ships in Own Container (SIOC) |
| Cold Chain Temperature Testing | ISTA 7D |
| Thermal Transport Packaging | ISTA 7E |
| <u>Vibration Testing</u> | |
| Sinusoidal Vibration | ASTM D3580; IEC 60068-2-6 |
| Random Vibration | ASTM D4728; IEC 60068-2-64 (1-2,000 Hz), IEC 60601-1-11 (Clause 10.1), IEC 62093 (Clause 11.8); MIL-STD-810 514.8 (Procedures I and II) |
| Loose Load Vibration | ASTM D999 |
| Horizontal Vibration Testing | ASTM D5112 |
| Gross Leak of Threaded or Lug Style Closures | ASTM D5094 |

Test

Test Method(s)

Shock Testing

Shock Testing

ASTM D3332, D5478, D6537;
IEC 60068-2-27,
IEC 60601-1-11 (Clause 10.1),
MIL-STD-810 516.8 (Procedures I-VI)

Drop Testing

Drop Testing
Concentrated Impact Testing
Mechanical Handling of Unitized Loads
Bridge Impact Testing
Incline Impact Testing
Drop Test for Corrugated Containers
Free Fall Repeated

ASTM D5276
ASTM D6344
ASTM D6179
ASTM D5265
ASTM D880
TAPPI T802
IEC 60068-2-31 (Procedure 1)

Tensile Testing

Seal Strength Testing
Peel Adhesion-Tape

ASTM F88; BS EN 868-5 (Annex D)
ASTM D3330

Compression Testing

Compression Testing
Compression Test of Containers
Slow Rate Penetration of Flexible Barrier Films

ASTM D642
TAPPI T804
ASTM F1306

Environmental Conditioning

Environmental Conditioning
Environmental Operating Conditions
High Temperature
Low Temperature
Temperature Shock
Humidity Testing

Temperature Cycling Test

Altitude Testing
Accelerated Aging
Conditioning of Paperboard
Climatic Stressing of Parcels for Delivery
Thermal Insulation Performance of Packages
HALT/HASS

ASTM D4332
IEC 60601-1-11 (Section 4.2.2 & 4.2.3)
MIL-STD-810 501.7
MIL-STD-810 502.7
MIL-STD-810 503.7
IEC 61730-2 (Clause 52),
IEC 62108 (Clause 10.8);
MIL-STD-810 507.6
IEC 60950 (Clause 2.10.9),
IEC 61730-2 (Clause 51),
IEC 62108 (Clause 10.6)
ASTM D6653; MIL-STD-810 500.6
ASTM F1980
TAPPI T402 (+/-2 °C, +/-5% RH)
ASTM F2825
ASTM D3103
HALT and HASS (Section 3), Gregg K.
Hobbs, Ph.D., PE; Hobbs Engineering; 1992.
Accelerated Reliability Engineering: HALT
and HASS (pp. 31-75);

| <u>Test</u> | <u>Test Method(s)</u> |
|--|---|
| <u>Mullen Burst Testing</u> Burst Strength of Corrugated and Solid Fiberboard | TAPPI T810 |
| <u>Medical Packaging Testing</u> Bubble Emission Testing Burst Testing Burst Testing Using Restraining Plates Dye Penetration Testing | ASTM F2096 ASTM F1140 ASTM F2054 ASTM F1929; F3039 |
| <u>Manual Tests Input</u> Visual Inspection of Seals for Flexible Packaging Peel Characteristics of Paper/Paper Laminate Products Aseptic Presentation Evaluation of Medical Device Packaging | ASTM F1886 BS EN 868-5 (Annex E) P-WKI-899 |
| <u>Mechanical Tests (Non-Solar)</u> Abrasion Resistance (Scuff Testing) | ASTM D5264 |

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| <u>Test</u> | <u>Test Method(s)</u> |
|--|--------------------------|
| <u>Environmental Conditioning</u> Accelerated Aging Environmental Conditioning | ASTM F1980 ASTM D4332 |



Accredited Laboratory

A2LA has accredited

WESTPAK, INC.

San Diego, CA

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 11th day of January 2024.

A blue ink signature of Mr. Trace McInturff, written over a horizontal line.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2870.02
Valid to January 31, 2026

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