



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

WESTPAK, INC.
83 Great Oaks Boulevard
San Jose, CA 95119
Angela Barber Phone: (408) 224 - 1300

MECHANICAL

Valid To: January 31, 2026

Certificate Number: 2870.01

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 types of Mechanical, Acoustical, and Vibration testing on various 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, 3H, 3K, 3L
Packaged Products for Sam's Club	ISTA 6 SAM'S CLUB, 6-FEDEX-A, 6-FEDEX-B
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 (1-2,000Hz)
Loose Load Vibration	ASTM D999
Horizontal Vibration Testing	ASTM D5112
Vibration	MIL-STD-810 514.8 (Procedures I & II only)
<u>Shock Testing</u>	
Shock Testing	ASTM D3332; IEC 60068-2-27; MIL-STD-810 516.8 (Procedures I-VI only)
<u>Instrumented Package Shock Testing for Determination of Package</u>	ASTM D6537

Test**Test Method(s)****Drop Testing**

Drop Testing	ASTM D5276
Concentrated Impact Testing	ASTM D6344
Mechanical Handling of Unitized Loads	ASTM D6179
Bridge Impact Testing	ASTM D5265
Incline Impact Testing	ASTM D880
Horizontal Impact Testing	ASTM D4003
Drop Test for Corrugated Containers	TAPPI T802
Free Fall Repeated	IEC 60068-2-31 Procedure 2

Tensile Testing

Peel Adhesion – Tape	ASTM D3330
Seal Strength Testing	ASTM F88, BS EN 868-5 (Annex D)
Tensile Properties of Plastic Sheeting	ASTM D882
Tensile Strength and Elongation – Tape	ASTM D3759/D3759M

Compression Testing

Compression Testing	ASTM D642
Compression Resistance of Package Under Static Load	ASTM D4577
Flat Crush Test (FCT)	TAPPI T825
Edge Crush Test (ECT) Using Neckdown Sample	TAPPI T838
Creep Properties of Cushion	ASTM D2221
Slow Rate Penetration of Flexible Barrier Films	ASTM F1306

Environmental Conditioning

Environmental Conditioning	ASTM D4332
Environmental Operating Conditions	IEC 60601-1-11 (Section 4.2.3)
High Temperature	MIL-STD-810 501.7
Low Temperature	MIL-STD-810 502.7
Temperature Shock	MIL-STD-810 503.7
Humidity Testing	MIL-STD-810 507.6
Altitude Testing	ASTM D6653
Low Pressure (Altitude)	MIL-STD-810 500.6
Accelerated Aging	ASTM F1980
Salt Fog Testing	MIL-STD-202 101E, MIL-STD-810 509.7
Conditioning of Paperboard	TAPPI T402
Effect of Dry Heat on Properties of Paperboard	TAPPI T453
Effect of Moist Heat on Properties of Paperboard	TAPPI T544
Climatic Stressing of Parcels for Delivery	ASTM F2825
Thermal Insulation Performance of Packages	ASTM D3103
Leak Testing of Containers Using Vacuum Method	ASTM D4991

Mullen Burst Testing

Burst Strength of Paper	TAPPI T403
Burst Strength of Paperboard and Linerboard	TAPPI T807
Burst Strength of Corrugated and Solid Fiberboard	TAPPI T810

Medical Packaging Testing

Test**Test Method(s)**

Bubble Emission Testing
Medical Packaging Testing (continued)
Burst Testing
Dye Penetration Testing
Determination of Leaks in Packages by Bubble Emission
Burst Testing Using Restraining Plates
Gross Leak of Threaded or Lug Style Closures

ASTM F2096
ASTM F1140
ASTM F1929, F3039
ASTM D3078
ASTM F2054
ASTM D5094

Manual Test Input

Visual Inspection of Seals for Flexible Packaging
Peel Characteristics of Paper/Plastic Laminate Products

ASTM F1886
BS EN 868-5 (Annex E)

Mechanical Tests (Non-Solar)

Abrasion Resistance (Scuff Testing)

ASTM D5264

Ultra Violet (UV) Chamber Tests

UV Exposure (QUV)

ASTM G154

WESTPAK, INC.
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San Jose, CA 95119

Test**Test Method(s)****Environmental Conditioning**

Accelerated Aging
Environmental Conditioning

ASTM F1980
ASTM D4332

WESTPAK, INC.
33439 Western Avenue
Union City, CA 94587

<u>Test</u>	<u>Test Method(s)</u>
<u>Drop Testing</u>	
Drop Testing	ASTM D5276
Concentrated Impact Testing	ASTM D6344
Bridge Impact Testing	ASTM D5265
<u>Tensile Testing</u>	
Seal Strength Testing	ASTM F88, BS EN 868-5 (Annex D)
<u>Medical Packaging Testing</u>	
Bubble Emission Testing	ASTM F2096
Dye Penetration Testing	ASTM F1929, F3039
<u>Manual Test Input</u>	
Visual Inspection of Seals for Flexible Packaging	ASTM F1886
Peel Characteristics of Paper/Plastic Laminate Products	BS EN 868-5 (Annex E)
<u>Transport Simulation Performance Testing</u>	
Distribution Testing	ASTM D4169, D7386
Non-simulation Integrity Performance Testing	ISTA 1A, 1G
Partial Simulation Performance Testing	ISTA 2A
General Simulation Performance Testing	ISTA 3F
Packaged Products for Amazon	ISTA 6-Amazon.com Ships in Own Container (SIOC), 6-Amazon.com Over Box (OB)
<u>Vibration Testing</u>	
Sinusoidal Vibration	ASTM D3580; IEC 60068-2-6
Random Vibration	ASTM D4728
Loose Load Vibration	ASTM D999
<u>Compression Testing</u>	
Compression Testing	ASTM D642
<u>Environmental Conditioning</u>	
Environmental Conditioning	ASTM D4332
Environmental Operating Conditions	IEC 60601-1-11 (Section 4.2.3)
Accelerated Aging	ASTM F1980
Climatic Stressing of Parcels for Delivery	ASTM F2825



Accredited Laboratory

A2LA has accredited

WESTPAK, INC.

San Jose, 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.

Mr. Trace McInturff, Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2870.01
Valid to January 31, 2026

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