



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

WESTPAK, INC.
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San Jose, CA 95119
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MECHANICAL

Valid To: January 31, 2024

Certificate Number: 2870.01

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform the following types of Mechanical, Acoustical, and Vibration testing on various customer products and package systems:

Test

Test Method(s)

Transport Simulation Performance Testing

Distribution Testing
Mechanical Handling
Non-simulation Integrity Performance Testing
Partial Simulation Performance Testing
General Simulation Performance Testing
Packaged Products for Sam's Club

ASTM D4169, D7386
ASTM D6055
ISTA 1A, 1B, 1C, 1D, 1E, 1F, 1G, 1H
ISTA 2A, 2B, 2C
ISTA 3A, 3B, 3E, 3F, 3H, 3K
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)

Reusable Container Tests
Cold Chain Temperature Testing
Thermal Transport Packaging

ISTA 7B
ISTA 7D
ISTA 7E

Vibration Testing

Sinusoidal Vibration
Random Vibration
Loose Load Vibration
Horizontal Vibration Testing
Vibration

ASTM D3580; IEC 60068-2-6
ASTM D4728
ASTM D999
ASTM D5112
MIL-STD-810 514.8 (Procedures I & II
only)

Shock Testing

Shock Testing

ASTM D3332;
IEC 60068-2-27;
MIL-STD-810 516.8 (Procedures I-VI
only)

Test**Test Method(s)****Shock Testing (continued)**

Instrumented Package Shock Testing for Determination of Package ASTM D6537

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, D5277
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
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
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

<u>Test</u>	<u>Test Method(s)</u>
<u>Medical Packaging Testing</u>	
Bubble Emission Testing	ASTM F2096
Burst Testing	ASTM F1140
Dye Penetration Testing	ASTM F1929, F3039
Determination of Leaks in Packages by Bubble Emission	ASTM D3078
Burst Testing Using Restraining Plates	ASTM F2054
<u>Manual Test Input</u>	
Visual Inspection of Seals for Flexible Packaging	ASTM F1886
<u>Mechanical Tests (Non-Solar)</u>	
Abrasion Resistance (Scuff Testing)	ASTM D5264
<u>Ultra Violet (UV) Chamber Tests</u>	
UV Exposure (QUV)	ASTM G154



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 18th day of January 2022.

A blue ink signature of the Vice President of Accreditation Services.

Vice President, Accreditation Services
For the Accreditation Council
Certificate Number 2870.01
Valid to January 31, 2024

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