



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

Purple Diamond Testing Services
183 Mikron Road
Bethlehem, PA 18020

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 17 August 2022
Certificate Number: AT-2900



This laboratory 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 (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Purple Diamond Testing Services

183 Mikron Road
Bethlehem, PA 18020
Bill Colaiaco billc@purple-diamond.com
610 264 5080 ext: 1384

TESTING

Valid to: **August 17, 2022**

Certificate Number: **AT-2900**

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Compression Testing	ASTM D642, ASTM D4169 49 CFR 178.606, 178.815 (d)(2) & 178.980 (d)(2) ISTA 1C / ISTA 1D ISTA 2A / ISTA 2B ISTA 3E / ISTA 3F ISTA 3H / ISTA 6 – AMAZON.COM-SIOC, ISTA 6-SAMSCLUB/ ISTA 6- FEDEX A & B	Any Packaging or Product not Exceeding 5 000 lbs	Compression System
Incline Impact	ASTM D880, ASTM D4169 ISTA 1A / ISTA 1B ISTA 1C / ISTA 1D ISTA 1E / ISTA 1G ISTA 1H / ISTA 2A ISTA 2B / ISTA 2C ISTA 3B / ISTA 3E / ISTA 6- AMAZON.COM-SIOC, ISTA 6-SAMSCLUB ISTA 6- FEDEX A & B	Any Packaging or Product not Exceeding 5 000 lbs	Incline Impact Tester
Loose Load Vibration	ASTM D999, ASTM D4169 49 CFR 178.608, 178.819 & 178.985 ISTA 1A / ISTA 1B ISTA 1C / ISTA 1D ISTA 1E / ISTA 2A / ISTA 2B	Any Packaging or Product not Exceeding 5 000 lbs	Vibration System



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Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Environmental Conditioning	ASTM D4332, ASTM D4169 ASTM D7386, ASTM F2825 ISTA 1C / ISTA 1D ISTA 2A / ISTA 2B ISTA 2C / ISTA 3A ISTA 3B / ISTA 3E ISTA 3F / ISTA 3H ISTA 6 / ISTA 7D, ISO 2233 / ISTA 6 – AMAZON.COM-SIOC, ISTA 6-SAMSCLUB/ ISTA 6- FEDEX A & B	Any Packaging or Product not Exceeding 5 000 lbs	Temperature / Humidity Chamber
Random Vibration	ASTM D4728, ASTM D4169 ISTA 1C / ISTA 1D ISTA 1E / ISTA 1G ISTA 1H / ISTA 2A ISTA 2B / ISTA 2C ISTA 3A / ISTA 3B ISTA 3E / ISTA 3F / ISTA 6 – AMAZON.COM-SIOC, ISTA 6-SAMSCLUB/ ISTA 6- FEDEX A & B	Any Packaging or Product not Exceeding 5 000 lbs	Vibration System
Bridge Impact	ASTM D5265, ASTM D4169 ASTM D7386, ISTA 3A / ISTA 3B / ISTA 6 – AMAZON.COM-SIOC, ISTA 6-SAMSCLUB/ ISTA 6- FEDEX A & B	Any Packaging or Product not Exceeding 5 000 lbs	Hazard Unit Free Fall Drop Tester
Drop Testing	ASTM D5276, ASTM D4169 49 CFR 178.603, 178.810 & 178.965, ISTA 1A / ISTA 1B ISTA 1C / ISTA 1D ISTA 1G / ISTA 1H ISTA 2A / ISTA 2B ISTA 2C / ISTA 3A ISTA 3B / ISTA 3F / ISTA 6 – AMAZON.COM-SIOC, ISTA 6-SAMSCLUB/ ISTA 6- FEDEX A & B	Any Packaging or Product not Exceeding 5 000 lbs	Free Fall Drop Tester
Mechanical Handling of Unitized Load	ASTM D6055, ASTM D4169 ISTA 2F / ISTA 3B / ISTA 6- AMAZON.COM-SIOC / ISTA 6-SAMSCLUB	Any Packaging or Product not Exceeding 5 000 lbs	Fork Truck




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Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Rough Handling of Unitized Loads	ASTM D6179, ASTM D4169 ASTM D7386, ISTA 1B / ISTA 1D ISTA 1E / ISTA 1H ISTA 2B / ISTA 2C ISTA 3A / ISTA 3B ISTA 3E / ISTA 3H ISTA 6, SAMSCLUB	Any Packaging or Product not Exceeding 5 000 lbs	Fork Truck
Altitude Testing	ASTM D6653, ASTM D4169 ASTM D7386, ISTA 3A	Any Packaging or Product not Exceeding 5 000 lbs	Vacuum Chamber
Sinusoidal Vibration	ASTM D3580	Any Packaging or Product not Exceeding 5 000 lbs	Vibration Systems
Concentrated Impact Testing	ASTM D6344, ASTM D4169 ASTM D7386, ISTA 6, FEDEX A	Any packaging or Product not Exceeding 5 000 lbs	Dart
Seal Strength	ASTM F88, ISO 11607-1	Package Seals	Tensile Machine
Visual Inspection	ASTM F1886, ISO 11607-1	Packages	Visible Inspection
Dye Penetration	ASTM F1929, ISO 11607-1	Package Seals	Dye Penetrant Solution
Accelerated Aging	ASTM F1980, ISO 11607-1	Packages	Temperature / Humidity Chamber
Bubble Emission Testing	ASTM F2096, ISO 11607-1	Packages	Pressure Gauge Air Source
Package Marking Indelibility	ASTM F2250, ISO 11607-1	Package Labels	Indelibility of Package Marking
Linear Dimensional Measurement	ASTM F2203	Package Seals	Precision Steel Rule

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2900.



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