



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

TEN-E Packaging Services, Inc.

1666 County Road 74

Newport, MN 55055

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 July 2023
Certificate Number: AT-1800



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

TEN-E Packaging Services, Inc.

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Newport, MN 55055
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TESTING

Valid to: **July 17, 2023**

Certificate Number: **AT-1800**

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 FEDEX A & B ISTA 6 SAMSLUB	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 FEDEX B ISTA 6 SAMSLUB	Any packaging or product not exceeding 5 000 lbs.	Incline Impact Tester



ANSI National Accreditation Board

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
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
Environmental Conditioning	ASTM D4332 ASTM D3103 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 ISTA 7E ISO 2233 BS EN 45502-1	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 3H ISTA 6-AMAZON.COM-OVERBOXING ISTA 6-AMAZON.COM-SIOC ISTA 6 FEDEX A & B ISTA 6 SAMSCLUB	Any packaging or product not exceeding 5 000 lbs.	Vibration System

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Bridge Impact	ASTM D5265 ASTM D4169 ASTM D7386 ISTA 3A / ISTA 3B ISTA 6-AMAZON.COM-SIOC ISTA 6 FEDEX A & B ISTA 6 SAMSClub	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-OVERBOXING ISTA 6-AMAZON.COM-SIOC ISTA 6 FEDEX A & B ISTA 6 SAMSClub	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
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-AMAZON.COM-SIOC 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 8 ft ³	Vacuum Chamber

Mechanical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Sinusoidal Vibration	ASTM D3580	Any packaging or product not exceeding 5 000 lbs.	Vibration Systems
Shock Testing	ASTM D3332 ASTM D5487	Any packaging or product not exceeding 5 000 lbs.	Shock Machine Free Fall Drop Tester
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
Burst Test	ASTM F1140	Packages	Package Test 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
Packaging Humidity & Marking Indelibility	BS EN 45502-1 ASTM F2250 ISO 11607-1	Package Labels	Indelibility of Package Marking
Linear Dimensional Measurement	ASTM F2203	Package Seals	Precision Steel Rule
Pressure Cycling	BS EN 45502-1	Any packaging or product not exceeding 1.67 ft ³	Pressure Pot
Sutherland Rub	ASTM D5264	Package Labels	Sutherland Rub Machine

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-1800.



R. Douglas Leonard Jr., VP, PILR SBU