



# CERTIFICATE OF ACCREDITATION

## ANSI-ASQ National Accreditation Board

500 Montgomery Street, Suite 625, Alexandria, VA 22314, 877-344-3044

This is to certify that

**TEN-E Packaging Services, Inc.**  
**1666 County Road 74**  
**Newport, MN 55055**

has been assessed by ANAB  
and meets the requirements of international standard

**ISO/IEC 17025:2005**

while demonstrating technical competence in the field of

**TESTING**

Refer to the accompanying Scope of Accreditation for information regarding the types of tests to which this accreditation applies.

AT-1800  
Certificate Number

  
ANAB Approval

Certificate Valid: 07/11/2017-07/17/2019  
Version No. 005 Issued: 07/11/2017



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005. 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 January 2009).



SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

TEN-E Packaging Services, Inc.

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TESTING

Valid to: July 17, 2019

Certificate Number: AT-1800

Mechanical

Table with 4 columns: Specific Tests and/or Properties Measured, Specification, Standard, Method, or Test Technique, Items, Materials or Product Tested, Key Equipment or Technology. Rows include Compression Testing and Incline Impact.

**Mechanical**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
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 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	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 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 SAMSCLUB ISTA 6 FEDEX A & B	Any packaging or product not exceeding 5,000 lbs.	Hazard Unit Free Fall Drop Tester



**Mechanical**

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
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 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 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 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 <sup>3</sup>	Vacuum Chamber
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

**Mechanical**

<b>Specific Tests and/or Properties Measured</b>	<b>Specification, Standard, Method, or Test Technique</b>	<b>Items, Materials or Product Tested</b>	<b>Key Equipment or Technology</b>
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 <sup>3</sup>	Pressure Pot

Note:

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



Vice President