



## **SECTION I: CERTIFICATION**

## PERIODIC DESIGN REQUALIFICATION of the Titan IBC, LLC 575 Gallon Stainless Steel IBC for Liquids (111700)

**TEN-E Packaging Services, Inc.** is a current DOT UN Third-Party Certification Agency under §107.403 and certifies that the **Titan IBC, LLC** packaging referenced above has passed the standards of the DEPARTMENT OF TRANSPORTATION'S TITLE 49 CFR; Performance Oriented Packaging Standards, Section 178. This package is also certified under IMDG and the UN Recommendations on the Transport of Dangerous Goods. It is the responsibility of the end user to determine authorization for use under these regulations. The use of other packaging methods or components other than those documented in this report may render this certification invalid.

SUMMARY OF PERFORMANCE TESTS					
UN / DOT	49 CFR	TEST	TEST	TEST	TEST
TEST	REFERENCE	LEVEL	CONTENTS	COMPLETED	RESULTS
Vibration	178.819	3.4 Hz – 1 Hour	Water	May 16, 2024	PASS
Bottom Lift	178.811	6,188.6 Kg	Water	May 20, 2024	PASS
Top Lift	178.812	9,817.4 Kg - 5 Minutes	Water	May 20, 2024	PASS
Stacking	178.815	8,709.0 Kg - 5 Minutes	Water	May 20, 2024	PASS
Leakproofness	178.813	20 kPa - 10 Minutes	Empty	May 21, 2024	PASS
Hydrostatic	178.814	65/200 kPa - 10 Minutes	Water	May 21, 2024	PASS
Drop	178.810	1.95 m	Water	May 22, 2024	PASS
			24-MN40056		
UN MARKING: (CFR 49 – 178.703)			u 31A / Y / * / USA / +AA11249 / 8709 / 4685		
PACKAGING IDENTIFICATION CODE:			31A (178.705 Metal IBC)		
			Y (Packaging meets Packing Group II and III tests)		
MONTH AND YEAR OF MANUFACTURE:					
STATE AUTHOR	IZING ALLOCAT		SA		
PACKAGING CERTIFICATION AGENCY:			(+AA) TEN-E Packaging Services, Inc. (Newport, MN CAA #2006030022)		
TIME I ANTI I ACIDACINO IDENTINIO			+AA11249		
STACKING TEST LOAD:			8,709.0 Kg (19,200.0 Lbs.)		
MAXIMUM PERMISSIBLE GROSS MASS:			4,685.5 Kg (10,329.6 Lbs.)		
PERIODIC DESIGN REQUALIFICATION DATE: May 22, 2025					
ADDITIONAL REQUIRED METAL IBC MARKINGS (CFR 49 – 178.703(b)(2)):					
RATED CAPACITY AT 20°C (liters):			Insert Rated Capacity		
TARE MASS (Kg):			Insert Individual IBC Tare Mass		
DATE OF LAST LEAKPROOFNESS TEST:			Insert Month & Year of Last Leakproofness Test		
DATE OF LAST INSPECTION:			Insert Month & Year of Last Inspection		
BODY MATERIAL AND MINIMUM THICKNESS (mm):			Insert Body Material and Minimum Thickness		
SERIAL # ASSIG	ENED BY MANUF	ACTURER: In	Insert Serial Number Assigned by Manufacturer		

ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY THAT THE PACKAGING TESTED IS MERCHANTABLE OR FIT FOR A PARTICULAR PURPOSE, ARE DISCLAIMED. In no event shall TEN-E Packaging Services, Inc. liability exceed the total amount paid by **Titan IBC**, **LLC** for services rendered. In the event of future changes to the above referenced test standards, it is the responsibility of **Titan IBC**, **LLC** to determine whether additional testing or updating of past testing is necessary to verify that the packaging we have tested remains in compliance with those standards.

MANUFACTURER:

Titan IBC, LLC

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