


**SECTION I: CERTIFICATION**

**Design Qualification of the Berlin Packaging  
HMS-68500: 4 x 32 oz. Glass Bottle Packaging Inside Friction Fit Metal Can or Slip Cover Metal Can  
with (4) Corrugated Frame Inserts**

TEN-E Packaging Services, Inc. is a current DOT UN Third-Party Certification Agency under §107.403 and certifies that the Berlin Packaging design 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, ICAO/IATA Regulations 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 TEST	CFR REFERENCE	TEST LEVEL	TEST CONTENTS	TEST COMPLETED	TEST RESULTS
Drop (complete pkg's)	178.603	1.8 m	Water/Lead Shot	November 4, 2021	PASS
Drop (V#4)	178.603 (SP 9168)	3.0 m	Water	November 4, 2021	PASS
Drop (V#5)	178.603 (SP 9168)	2.55 m	Water	October 21, 2021	PASS
Drop (V#6)	178.603 (SP 9168)	2.7 m	Water	October 21, 2021	PASS
Stacking (complete pkg)	178.606	181.4 Kg – 24 Hours	Empty	November 5, 2021	PASS
Stacking (friction fit can)	178.606	45.4 Kg – 24 Hours	Water	November 5, 2021	PASS
Stacking (slip cover can)	178.606	45.4 Kg – 24 Hours	Water	November 5, 2021	PASS
Pressure (glass)	173.27	28 inHg - 5 Minutes	Refer to note on page 3		PASS
Pressure (can)	173.27	100 kPa - 5 Minutes			
Vibration	178.608	4.0 Hz – 1 Hour	Water/Lead Shot	November 4, 2021	PASS
Cobb	178.516	30 Minutes	---	September 23, 2021	PASS

<b>TEST REPORT NUMBER:</b>	21-MN20334
<b>UN MARKING:</b> (CFR 49 – 178.503)	 4GV / X13.6 / S / ** USA / +AA8494
<b>PACKAGING IDENTIFICATION CODE:</b>	4GV - Fiberboard Box (178.516) & Selective Testing Variation 2 (178.601(g)(2))
<b>PERFORMANCE STANDARD:</b>	X (Packaging meets Packing Group I, II and III tests)
<b>AUTHORIZED GROSS MASS:</b>	13.6 Kg (30.0 Lbs.)
<b>"S" DESIGNATION:</b>	Denotes Inner Packagings
<b>YEAR OF MANUFACTURE:</b>	** Insert year the packaging is manufactured
<b>STATE AUTHORIZING THE MARK</b>	USA
<b>PACKAGING CERTIFICATION AGENCY:</b>	(+AA) TEN-E Packaging Services, Inc. (Newport, MN CAA #2006030022)
<b>THIRD PARTY PACKAGING IDENTIFICATION:</b>	+AA8494
<b>PERIODIC RETEST DATE:</b>	November 5, 2023
<b>CLIENT SP NUMBER:</b>	DOT-SP 9168

ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY WARRANTY THAT THE PACKAGING TESTED IS MERCHANTABILITY OR FIT FOR A PARTICULAR PURPOSE, ARE DISCLAIMED. In no event shall TEN-E Packaging Services, Inc. liability exceed the total amount paid by Berlin Packaging for services rendered. In the event of future changes to the above referenced test standards, it is the responsibility of Berlin Packaging 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:**

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