

SECTION I: CERTIFICATION

DESIGN QUALIFICATION of the Dallas Steel Drums, Inc. 330 Gallon Composite IBC with 6" Fill Opening Cap with Composite Pallet

TEN-E Packaging Services, Inc. is a current DOT UN Third-Party Certification Agency under §107.403 and certifies that the **Dallas Steel Drums, Inc.** 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 | 3.2 Hz – 1 Hour | Water | April 20, 2023 | PASS |
| Bottom Lift | 178.811 | 3,126.9 Kg | Water | April 20, 2023 | PASS |
| Stacking | 178.815 | 4,445.3 Kg – 24 Hours | Water | April 21, 2023 | PASS |
| Leakproofness | 178.813 | 20 kPa – 10 Minutes | Empty | April 24, 2023 | PASS |
| Hydrostatic | 178.814 | 100 kPa – 10 Minutes | Water | April 24, 2023 | PASS |
| Drop | 178.810 | 1.9 m | Methanol/Water Solution | April 24, 2023 | PASS |
| TEST REPORT NUMBERS: | | | 23-MN400436 | | |
| UN MARKING: (CFR 49 – 178.703) | | | u 31HA1 / Y / * / USA / M**** / 4445 / 2437 | | |
| PACKAGING IDENTIFICATION CODE: | | | 31HA1 (178.707 Composite IBC) | | |
| PERFORMANCE STANDARD: | | | Y (Packaging meets Packing Group II and III tests) | | |
| MONTH AND YE | AR OF MANUFA | ACTURE: | * | | |
| STATE AUTHORIZING ALLOCATION OF THE MARK: | | | USA | | |
| PACKAGING CERTIFICATION AGENCY: | | | TEN-E Packaging Services, Inc. (Newport, MN CAA #2006030022) | | |
| SYMBOL OF THE MANUFACTURER: | | | M **** (Insert Manufacturer's Registered Number) | | |
| STACKING TEST LOAD: | | | 4,445 Kg (9,800 Lbs.) | | |
| MAXIMUM PERMISSIBLE GROSS MASS: | | | 2,437 Kg (5,373 Lbs.) | | |
| PERIODIC DESIGN REQUALIFICATION DATE: | | | April 24, 2024 | | |
| ADDITIONAL REQUIRED RIGID PLASTIC & COMPOSITE IBC MARKINGS (CFR 49 – 178.703(b)): | | | | | |
| RATED CAPACITY AT 20°C (liters): | | | Insert IBC Rated Capacity | | |
| TARE MASS (Kg): | | | Insert individual IBC tare mass | | |
| GAUGE TEST PRESSURE (kPa): | | | 100 kPa | | |
| DATE OF LAST LEAKPROOFNESS TEST: | | | Insert Month & Year of Last Leakproofness Test | | |
| DATE OF LAST INSPECTION: | | | Insert Month & Year of Last Inspection | | |

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 **Dallas Steel Drums, Inc.** for services rendered. In the event of future changes to the above referenced test standards, it is the responsibility of **Dallas Steel Drums, Inc.** 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:

Dallas Steel Drums 2214 Singleton Blvd Dallas, TX 75212 Oscar Mejia Technician TEN-E Packaging Services, Inc. 1666 County Road 74 Newport, MN 55055

Peter Stampfle Packaging Engineer TEN-E Packaging Services, Inc.

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