Mato C. Anderson

TEN-E Packaging Services, Inc.

Matt C. Anderson

Project Manager



## **SECTION I: CERTIFICATION**

## Periodic Retest of the Barrier Plastics 10 Liter Plastic Jerrican with 50mm Threaded Opening

**TEN-E Packaging Services, Inc.** is a current DOT UN Third-Party Certification Agency under §107.403 and certifies that the **Barrier Plastics** 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, 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                              | CFR       | TEST                | TEST   | TEST             | TEST    |
| TEST                                  | REFERENCE | LEVEL               | CONTENTS   | COMPLETED        | RESULTS |
| Drop                                  | 178.603   | 1.2 m               | Methanol/Water                                     | October 14, 2015 | PASS    |
| Leakproofness                         | 178.604   | 20kPa – 5 Minutes   | Empty  | October 14, 2015 | PASS    |
| Hydrostatic                           | 178.605   | 100kPa - 30 Minutes | Water  | October 14, 2015 | PASS    |
| Stacking                              | 178.606   | 280 Kg – 28 Days    | Water  | December 1, 2015 | PASS    |
| Vibration                             | 178.608   | 3.9 Hz – 1 Hour     | Water  | October 15, 2015 | PASS    |
| TEST REPORT NUMBER(S):                |           |                     | <b>15-CA30012</b> , 14-8012                        |                  |         |
| UN MARKING:                           |           |                     | u 3H1 / Y1.2 / 100 / **                            |                  |         |
| (CFR 49 – 178.503)                    |           |                     | n USA / +CC8268                                    |                  |         |
| PACKAGING IDENTIFICATION CODE:        |           |                     | 3H1 - Non-Removable Head Jerrican (178.509)        |                  |         |
| PERFORMANCE STANDARD:                 |           |                     | Y (Packaging meets Packing Group II and III tests) |                  |         |
| MAXIMUM PRODUCT SPECIFIC GRAVITY:     |           |                     | 1.2  |                  |         |
| HYDROSTATIC TEST PRESSURE:            |           |                     | 100kPa   |                  |         |
| YEAR OF MANUFACTURE:                  |           |                     | ** Insert year the packaging is manufactured       |                  |         |
| STATE AUTHORIZING THE MARK            |           |                     | USA  |                  |         |
| PACKAGING CERTIFICATION AGENCY:       |           |                     | (+CC) TEN-E Packaging Services, Inc.               |                  |         |
|                                       |           |                     | (Ontario CA #2006030021)                           |                  |         |
| THIRD PARTY PACKAGING IDENTIFICATION: |           |                     | +CC8268  |                  |         |
| PERIODIC RETEST DATE:                 |           |                     | December 1, 2016                                   |                  |         |

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 **Barrier Plastics** for services rendered. In the event of future changes to the above referenced test standards, it is the responsibility of **Barrier Plastics** 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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