### UN DRUM QUALIFICATION TEST REPORT

**- PERIODIC RE-TESTING -**

Qualification Testing and Periodic Retesting for steel drums is performed in accordance with applicable sections of the following:


#### U.N. MARKING:

1A2/X235/S  
1A2/Y1.5/200

#### DRUM DESCRIPTION

<table>
<thead>
<tr>
<th>Item</th>
<th>Specification</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>DRUM TYPE:</strong></td>
<td>Open Head</td>
</tr>
<tr>
<td><strong>MATERIAL:</strong></td>
<td>Carbon Steel</td>
</tr>
<tr>
<td><strong>THICKNESS:</strong></td>
<td>1.5 / 1.5 / 1.5 mm</td>
</tr>
<tr>
<td><strong>CAPACITY:</strong></td>
<td>30 Gallon</td>
</tr>
<tr>
<td><strong>INSIDE DIAMETER:</strong></td>
<td>18.25&quot;</td>
</tr>
<tr>
<td><strong>OVERALL HEIGHT:</strong></td>
<td>29.0&quot;</td>
</tr>
<tr>
<td><strong>PACKAGING GROUP:</strong></td>
<td>I Solids</td>
</tr>
<tr>
<td><strong>II Liquids</strong></td>
<td></td>
</tr>
<tr>
<td><strong>SPECIFIC GRAVITY:</strong></td>
<td>1.5</td>
</tr>
<tr>
<td><strong>SOLIDS GROSS WEIGHT:</strong></td>
<td>235 kg</td>
</tr>
</tbody>
</table>

#### TESTING

**DROP TEST - SOLIDS**

- **CONTENTS USED:** Sand and Steel Plates
- **CAPACITY FILLED TO:** 95%
- **SOLID DROP HEIGHT:** 1.8 m

**RESULTS, TEST 1:** PASS
- 3 samples dropped on bottom chime

**RESULTS, TEST 2:** PASS
- 3 samples dropped onto ring at 45 degrees

**STACKING TEST - SOLIDS**

- **CONTENTS USED:** Sand and Steel Plates
- **CAPACITY FILLED TO:** 95%
- **TEST WEIGHT:** 1458 kg

**RESULTS:** PASS
- 3 samples maintained for 24 hours

**VIBRATION STANDARD**

The vibration standard criteria as set forth in 49 CFR § 178.608 was successfully reviewed upon design qualification testing for this type of container. Past performance has indicated no failures.

**HYDROSTATIC TEST**

- **TEST PRESSURE:** 200 kPa
- **RESULTS:** PASS

**LEAKPROOFNESS TEST**

- **TEST PRESSURE:** 34.5 kPa
- **RESULTS:** PASS

**PACKAGING GROUP:**

- **I Solids**
- **II Liquids**

**FITTINGS:**

- 2" & 3/4" Rieke in Cover
- PR2041 PR3041
- EPDM Gasket

### APPROVAL

**TEST PERSONNEL**

- **Moises Basilio**
  - Inspection and Testing Manager