**TITLE (Include Security Classification)**
Performance Oriented Packaging Testing of Flexible Linear Shaped Charges in Wood Box (U)

**PERSONAL AUTHOR(S)**
Sniezek, Frank, Michael

**ABSTRACT (Continue on reverse if necessary and identify by block number)**
This report contains the testing and test results performed on the Flexible Linear Shaped Charge packaged in a wood box.
1. DATA SHEET

CONTAINER:

Type: Box
UN Code: 4C1
Nomenclature: Package, Shipping and Storage (For Charge, Shaped, Linear, Flexible)
Specification Number: N/A
Drawing Number: 9332432
Material: Natural Wood
Capacity: 8.1 lbs
Dimensions: 50.25 x 5.50 x 2.06
Tare Weight: 7.8 lbs

PRODUCT:

Name: Flexible Linear Shaped Charge
Drawing Number: See Table Below.
United Nations Number: 0439
United Nations Packing Group: II
Physical State: Solid
Amount per Container: See Table Below.

<table>
<thead>
<tr>
<th>DRAWING NUMBER</th>
<th>AMOUNT PER CONTAINER</th>
</tr>
</thead>
<tbody>
<tr>
<td>5206212-1</td>
<td>6</td>
</tr>
<tr>
<td>5206212-2</td>
<td>6</td>
</tr>
<tr>
<td>5206212-3</td>
<td>6</td>
</tr>
<tr>
<td>5206212-4</td>
<td>6</td>
</tr>
<tr>
<td>5206212-5</td>
<td>6</td>
</tr>
<tr>
<td>5206213-1</td>
<td>3</td>
</tr>
<tr>
<td>5206213-2</td>
<td>3</td>
</tr>
<tr>
<td>5206213-3</td>
<td>3</td>
</tr>
<tr>
<td>5206213-4</td>
<td>3</td>
</tr>
<tr>
<td>5206213-5</td>
<td>3</td>
</tr>
<tr>
<td>5206213-6</td>
<td>3</td>
</tr>
</tbody>
</table>
2. BACKGROUND:

This report contains the testing and test results performed on the Flexible Linear Shaped Charge packaged in a box. The testing was performed exclusively using inert charges (5206213-3) weighted up to the heaviest charges (5206213-6) packaged IAW 9332432 for Performance Oriented Packaging Certification. Tests were performed in accordance with Performance Oriented Packaging test regulations.

3. TEST:

3.a. The containers were dropped once each from 7 feet (2.1 meters) in lieu of UN requirements of 4 feet (1.2 meters). The containers were dropped on a 3 inch solid steel plate reinforced by 18 inches of crushed rock in 6 different orientations. The tests were conducted at 3 temperatures (6 total containers). The orientations and temperatures were as follows:

- TOP: +160°F
- BOTTOM: -65°F
- SIDE: Ambient
- RIGHT END: Ambient
- 45 ON RIGHT END: +160°F
- LEFT END: -65°F

Note: This exceeds the UN requirement which is 5 containers dropped once in 5 orientations (bottom, top, long side, and short side-end) at ambient temperature.

3.b. Stacking test was performed by adding a weight equivalent to a 16' (4.9 meters) stack height for 48 hours at 23°C (75°F) in lieu of 3 meters (9.8 feet) at 24 hours.

4. RESULTS:

The containers passed all tests. None of the contents of the containers were discharged or spilled. They are considered safe for international transportation in accordance with Performance Oriented Packaging Regulations.