Horizon Package Testing Service Inc. is a current DOT UN Third Party Certification Agency under §107.403

Project ID: #1989                             Certificate Number: +CA0942

Certifying Party:                Ms. Marie O. Mills
Jet Research Center, a Division of Halliburton
8432 South I-35W
Alvarado, TX 76009

Packaging Description

NOTE: Packagings submitted are for Design Qualification Testing and require preconditioning per 49 CFR 178.602 (d).
Designated Packaging Code: 4G
Packaging Group II (Y)

A Combination Package (18 x 12 x 10) comprising four (4) heat sealed Static Shield Bags containing charges nested within die-cut openings within a corrugated tray. The sealed Static Shield bags are installed in 1-column between a single wall Kraft/Kraft bottom and top pads. Inner packagings are placed into a double wall Kraft/Kraft Regular Slotted Fiberboard Container (RSC) outer packaging. Outer closure method tested with four (4) 15mm metal staples top flap seam and bottom flap seam. The use of other packaging methods or components may render this report invalid.

Packaging Performance Tests

<table>
<thead>
<tr>
<th>TEST</th>
<th>SPEC</th>
<th>TEST LEVEL</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>COBB TEST</td>
<td>UN Para 6.1.4.12.1</td>
<td>90.4 g/m²</td>
<td>Pass</td>
</tr>
<tr>
<td>DROP TEST</td>
<td>UN Para 6.1.5.3</td>
<td>1.2 meter</td>
<td>Pass</td>
</tr>
<tr>
<td>STACKING TEST</td>
<td>UN Para 6.1.5.6</td>
<td>320.1 kg</td>
<td>Pass</td>
</tr>
<tr>
<td>VIBRATION STANDARD</td>
<td>49CFR 178.608</td>
<td>1 hour</td>
<td>Pass</td>
</tr>
</tbody>
</table>

UN/DOT Package Marking

In accordance with the US Code of Federal Regulations Volume 49 Section 178.601, I certify that the samples of the Package, prepared as for transport, described herein and tested in the manner summarized above, successfully pass the tests according to the criteria specified in paragraphs 6.1.4.12.1, 6.1.5.3, and 6.1.5.6 as set forth in the UN Recommendations of the Committee of Experts on the Transportation of Dangerous Goods, Chapter 6, and US 49CFR Section 178.608, and that the packages may bear the marking:

4G / Y 30.4 / S / *
USA/+CA0942

* Year of Manufacture

By: JAMES A. STEVENS
HORIZON PACKAGE TESTING SERVICE, INC. CERTIFICATION OFFICER

Date: December 9, 2014

5002 E. 119th St. Grandview, MO 64030 816-767-8400 816-767-8966
December 9, 2014
Page 2 of 24

Ms. Marie O. Mills
Jet Research Center, a Division of Halliburton
8432 South I-35W
Alvarado, TX 76009
817-761-2201

Gentlemen/Mesdames:

RE: Summary of Packaging Performance for UN/IACO/IMDG
Transport of Dangerous Goods, Packing Group II
Certification: +CA0942
Project ID: #1989
ID: 18 x 12 x 10

Tests performed to certify compliance with the UN Recommendations of the Committee of Experts on the Transport of Dangerous Goods, Chapter 6, Twelfth Revised Edition and US 49CFR Section 178.608, as follows:

<table>
<thead>
<tr>
<th>TEST</th>
<th>SPEC</th>
<th>TEST LEVEL</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>COBB TEST</td>
<td>UN Para 6.1.4.12.1</td>
<td>90.4 g/m²</td>
<td>Pass</td>
</tr>
<tr>
<td>DROP TEST</td>
<td>UN Para 6.1.5.3</td>
<td>1.2 meter</td>
<td>Pass</td>
</tr>
<tr>
<td>STACKING TEST</td>
<td>UN Para 6.1.5.6</td>
<td>320.1 kg</td>
<td>Pass</td>
</tr>
<tr>
<td>VIBRATION STANDARD</td>
<td>49CFR 178.608</td>
<td>1 hour</td>
<td>Pass</td>
</tr>
</tbody>
</table>

The packages satisfy the requirements for a fiberboard box (4G) outer packaging tested to Packing Group II specifications for a Type Y certificate. The use of other packaging methods or components may render this report invalid.

NOTE: 49CFR 178.601 (e) For combination packaging, periodic retests must be conducted at least once every 24-months. Periodic retest is due by December 9, 2016

Respectfully submitted,
Horizon Package Testing Service, Inc.

James A. Stevens
Certification Officer
JS

Encl.
Packages Tested

Four (4) heat sealed Static Shield Bags containing charges nested within die-cut openings within a corrugated tray. The sealed Static Shield bags are installed in 1-column between a single wall Kraft/Kraft bottom and top pads. Inner packagings are placed into a double wall Kraft/Kraft Regular Slotted Fiberboard Container (RSC) outer packaging. Outer closure method tested with four (4) 15mm metal staples top flap seam and bottom flap seam.

<table>
<thead>
<tr>
<th>TEST</th>
<th>SPEC</th>
<th>Test Weight</th>
<th>Sample Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>DROP TEST</td>
<td>UN Para 6.1.5.3</td>
<td>30.4 kg</td>
<td>1,2,3,4 and 5</td>
</tr>
<tr>
<td>STACKING TEST</td>
<td>UN Para 6.1.5.6</td>
<td>30.4 kg</td>
<td>6,7, and 8</td>
</tr>
<tr>
<td>VIBRATION STANDARD</td>
<td>49CFR 178.608</td>
<td>30.4 kg</td>
<td>9, 10, and 11</td>
</tr>
</tbody>
</table>

4G Combination Package

View of Shipper and Inner Packagings
18 x 12 x 10 Packing Overview
page 1 of 2
**18 x 12 x 10 Packing Overview**

**Photo 1:** Assemble the #101856899 RSC by installing two (2) 15mm metal staples, 40mm (1.57 inches) and 130mm (5.11 inches) from each short side panel along the bottom flap seam, four (4) staples total.

**Photo 2:** Insert one (1) #101276057 bottom pad.

**Photo 3:** Insert the 1st #101215637 filled and sealed Static Shield Bag.

**Photo 4:** Insert the 2nd #101215637 filled and sealed Static Shield Bag.

**Photo 5:** Insert the 3rd #101215637 filled and sealed Static Shield Bag.

**Photo 6:** Insert the 4th #101215637 filled and sealed Static Shield Bag.

**Photo 7:** Insert one (1) #101276057 top pad.

**Photo 8:** Complete assembly by installing two (2) 15mm metal staples, 40mm (1.57 inches) and 130mm (5.11 inches) from each short side panel along the bottom flap seam, four (4) staples total.
Testing Orientation

1. **Identify Faces** according to the diagram below:

![Diagram of a cube with labeled faces and edges]

2. **Identify Edges** using the numbers of the two faces forming that edge.  
   **Example:** Edge 1-2 is the edge formed by face 1 and face 2 of the package.

3. **Identify Corners** using the numbers of the three faces that meet to form that corner.  
   **Example:** corner 2-3-5 is the corner formed by face 2, face 3 and face 5 of the package.

**FACES TESTED**

<table>
<thead>
<tr>
<th>Drop:</th>
<th>Stack:</th>
<th>Vibration:</th>
</tr>
</thead>
<tbody>
<tr>
<td>#1 3</td>
<td>#6 1&amp;3</td>
<td>#9 3</td>
</tr>
<tr>
<td>#2 1</td>
<td>#7 1&amp;3</td>
<td>#10 3</td>
</tr>
<tr>
<td>#3 5</td>
<td>#8 1&amp;3</td>
<td>#11 3</td>
</tr>
<tr>
<td>#4</td>
<td></td>
<td></td>
</tr>
<tr>
<td>#5 1-2-5</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
Cobb Test


Methods: The absorption of water over a 30-minute period must not be greater than 155 g/m². Average the results from five (5) test specimens. Weigh each specimen before testing and place under the test apparatus consisting of a Glass ring (cross-sectional area of 100 square cm) clamped to a flat base plate. Pour 100 ml of water into the ring and let stand for the 30-minute period. Pour the water from the ring 15 seconds before the expiration of the test period, blot the surface with blotting paper and roller, and immediately weigh. The difference between the original and final weight, multiplied by 100, is the weight of water absorbed, in grams per square meter. Samples were conditioned at +23°C and 50% RH for 24 hours prior to testing.

Results: Pass (**top photo, **bottom photo)

<table>
<thead>
<tr>
<th>Sample</th>
<th>Original Weight, gr</th>
<th>Final Weight, gr</th>
<th>Difference, g/m²</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>17.65</td>
<td>**18.55</td>
<td>90</td>
</tr>
<tr>
<td>2</td>
<td>17.81</td>
<td>18.73</td>
<td>92</td>
</tr>
<tr>
<td>3</td>
<td>17.84</td>
<td>18.81</td>
<td>97</td>
</tr>
<tr>
<td>4</td>
<td>18.06</td>
<td>19.00</td>
<td>94</td>
</tr>
<tr>
<td>5</td>
<td>17.76</td>
<td>18.55</td>
<td>79</td>
</tr>
</tbody>
</table>

* Five (5) samples reveal an average Cobb of 90.4 g/m²
Drop Test

**Guidelines:** Code of Federal Regulations 49, Section 178.603; UN Para 6.1.5.3; ASTM D4919 (7.1)

**Methods:** Five samples, one for each drop, are required for testing. First drop: Flat on bottom (using 1st sample). Second drop: Flat on top (using 2nd sample). Third drop: Flat on the long side (using 3rd sample). Fourth drop: Flat on short side (using 4th sample). Fifth drop: On a corner (using 5th sample). Testing of 4G combination packagings with other than plastic inner receptacles containing solids is performed when the packagings have been filled to 95% of capacity and the completed packagings have been conditioned at +23°C and 50% RH for 24 hours prior to testing.

**Criteria for passing the test:** For combination packagings, there is no damage to the outer packaging likely to adversely affect safety during transport, and there is no leakage of the filling substance from the inner packaging. The package/product is dropped from 1.2 meter.

**Results:**

<table>
<thead>
<tr>
<th>TEST with Photo</th>
<th>RESULT</th>
</tr>
</thead>
<tbody>
<tr>
<td>Sample #1 is impacted flat on the #3 face.</td>
<td>No breakage/leakage</td>
</tr>
<tr>
<td>Sample #2 is impacted flat on the #1 face.</td>
<td>No breakage/leakage</td>
</tr>
<tr>
<td>Sample #3 is impacted flat on the #5 face.</td>
<td>No breakage/leakage</td>
</tr>
<tr>
<td>Sample #4 is impacted flat on the #4 face.</td>
<td>No breakage/leakage</td>
</tr>
<tr>
<td>Sample #5 is impacted diagonally on the #1-2-5 corner. (top mfr’s joint corner sustained major deformation)</td>
<td>No breakage/leakage</td>
</tr>
</tbody>
</table>

Samples #1 thru #4 sustained no damage, see Sample #5 for result. In all cases, there is no damage liable to affect safety during transport and there is no leakage of the filling substance from the inner packagings.
Stacking Test

Guidelines: Code of Federal Regulations 49, Section 178.606, UN 6.1.5.6; ASTM 4919 (10.1)

Methods: Three test containers are subjected to a force applied to the top surface equal to the total weight of identical packages stacked on it in transit. The minimum height of the stack is 3-meters. Three (3) filled containers are closed as for shipment and subjected to a free standing compression load of 320.1 kg, equivalent to a 3-meter high stack of identical packages, continuously for 24 hours. The completed packagings have been conditioned to +23°C and 50% RH for 24 hours prior to testing.

Free Standing  X  
Guided Load  

Criteria for passing the test: No test sample may leak. No sample may show any deterioration, which would adversely affect transportation safety or any distortion likely to reduce its strength or cause instability in stacks of packages. The following details the compressive load applied in the stacking test:

Stacking height = SH = (3 meter = 3000 mm)
Height of Package = PH (mm)
Number of Packages = n
Maximum gross weight of the package = MGW (kg)

Stacking Load = [(SH/PH) = n -1] x MGW

[(3000mm/260mm) = 11.53 – 1] 10.53 x 30.4 kg = 320.1 kg (705.6 lbs)

TEST: Samples #6 - #8 are subjected to an actual top load of 340.1 kg

RESULTS: No damage/leakage, each sample was subjected to the stack load individually and sustained no damage. Each sample, after completion has shown 6mm ±2 compression after 24 hours.

NOTE: Stacking stability was not assessed since a guided load test was not performed

Stack Test(sample photo #6)

Actual top load of 340.1 kg (750.0 lbs)
Vibration Standard

**Guidelines:** Code of Federal Regulations 49, Section 178.608. ASTM D4919 (11.1)

**Methods:** Three packages are filled and closed as for shipment. Testing is performed for 1 hour at a frequency that causes the package to be raised from the vibrating platform 1.6 mm. The packages are left free to move vertically, bounce and rotate in their normal shipping orientation. The completed packagings have been conditioned to +23°C and 50% RH for 24 hours prior to testing.

<table>
<thead>
<tr>
<th>Rotary Vibration Table</th>
<th>X</th>
</tr>
</thead>
<tbody>
<tr>
<td>Vertical Linear Vibration Table</td>
<td></td>
</tr>
</tbody>
</table>

Immediately following the test, each package must be removed from the platform, turned on its side and observed for any evidence of leakage.

**Criteria for Passing the Test:** A packaging passes the Vibration Standard if there is no rupture or leakage from any of the packages. No test sample should show any deterioration, which could adversely affect transportation safety, or any distortion liable to reduce packaging strength.

**TEST:** Samples #9 - #11 are vibrated for 1 hour at 200 CPM (cycles per minute)

**RESULTS:** No damage/leakage, each sample was opened and inspected after completion, inner packagings were intact, outer packaging did show minor scuffing on the bottom panel, inner packagings sustained no damage, outer packaging closure was intact.
Conclusions

The packages were tested according to Paragraphs 6.1.5.3, 6.1.5.6 and 6.1.4.12.1 of the Recommendations of the United Nations Committee of Experts on the Transport of Dangerous Goods, Chapter 6, 12th Revision and 49CFR Section 178.608 for Group II products.

The package met the test requirements and it is recommended that a UN certificate be issued with the mark Y, to wit:

\[
\text{4G / Y 30.4 / S / *} \\
\text{USA/+CA0942}
\]

where: 4G is the packaging type code  
Y is the packing group  
30.4 is the gross mass in kg  
S is for combination packaging  
* year of manufacture  
USA is the country of testing  
+CA0942 is test number of certifying agency

The use of other packaging methods or components may render this report invalid.

Equipment List:

- Conditioning Chamber#1
- DeLonghi PAC N100EL Air Conditioner
- Zenith Dehumidifier 850A
- Omega HH314A Temperature/RH Meter
- Omega Digital Thermometer HH66U
- Scout Pro Scale
- CAS SW 20 lb Capacity Bench Top Scale
- CAS PB 300 lb Capacity Shipping Scale
- Fowler 54-100-444 Digital Caliper
- Toolsmith #800316 5M Tape Measure
- Container Stapler #58 Pneumatic Stapler
- Wall-Board 48” ‘T’ Square
- Johnson Metric Ruler M391/40-0560
- Gurly Cobb Seizer
- Lansmont Drop Tower PDT56ED
- Lansmont Weight Stands
- Gaynes Transport Simulator

NOTE: calibration data on file
APPENDIX A

Inner Packaging

Four (4) heat sealed Static Shield Bags containing charges nested within die-cut openings within a corrugated tray. The sealed Static Shield bags are installed in 1-column between a single wall Kraft/Kraft bottom and top pads.

Note: Place 3 each 101290899 pads in the bottom of each 101217221 packing tray, place each charge liner open face up, when all charges have been placed apply 3 each 101290900 pads on top of the charges the place 1 each 101276057 flat pad on top. Place the filled tray into a 101215637 Static Shield Bag the vacuum and heat seal the bag closed.

Product Information: Packing Group II Solid

INNER PACKAGING:

Static Shield Bag
Supplier Specialty Bags Corporation (972-446-2247)
1746 Crosby Road
Carrollton, TX 75006
Texas Technology Inc. (512-267-0100)
3600 West Whitestone Blvd.
Cedar Park, TX 78613
Item 101215637
Style Tube style with heat sealed sides and bottom
Specification MIL-B-81705 Type 1, Class 1
Material Spec. Foil/plastic laminate (PET/ALU/PE)
Tare Weight 56.1 grams
Size (mm, OD) 475 X 630 (W x L)
Size (in, OD) 18.7 X 24.80 (W x L)
Material Caliper 4-mil
Count Four (4) per RSC shipper

a) Packing Tray
Manufacturer All Star Corrugated (817-551-5580)
1425 Forum Way S
Fort Worth, TX 76140
Item 101217221
Style Open faced tray with rolled locking ends
Tare Weight 215 grams
Size (mm, OD) 440 X 290 X 52 (L x W x H)
Size (in, OD) 17.32 X 11.41 X 2.04 (L x W x H)
Corrugations Horizontal "C" flute
Facings Mottled White/Mottled White
Caliper 3.77mm (0.148 inch)
Count One (1) per Static Shield Bag, four (4) per RSC shipper
b) Pad, 0.800 Diam  
Manufacturer  All Star Corrugated (817-551-5580)  
1425 Forum Way S  
Fort Worth, TX 76140  
Item  101290899  
Style  Die-cut flat sheet  
Tare Weight  105 grams  
Size (mm, OD)  282.4 X 425.4 (W x L)  
Size (in, OD)  11.12 X 16.75 (W x L)  
Corrugations  Horizontal "B-C" flute  
Facings  Mottled White/Kraft  
Material Caliper  4.88mm (0.192 inch)  
Die-cut Holes  20mm diameter (0.800 inch), 25 count  
Count  Three (3) per tray, twelve (12) per RSC shipper  

c) Pad, 1.510 Diam  
Manufacturer  All Star Corrugated (817-551-5580)  
1425 Forum Way S  
Fort Worth, TX 76140  
Item  101290900  
Style  Die-cut flat sheet  
Tare Weight  75 grams  
Size (mm, OD)  282.4 X 425.4 (W x L)  
Size (in, OD)  11.12 X 16.75 (W x L)  
Corrugations  Horizontal "B-C" flute  
Facings  Kraft/Kraft  
Material Caliper  6.36mm (0.250 inch)  
Die-cut Holes  38mm diameter (1.510 inch), 25 count  
Count  Three (3) per tray, twelve (12) per RSC shipper  

d) Flat Pad Warning  
Manufacturer  All Star Corrugated (817-551-5580)  
1425 Forum Way S  
Fort Worth, TX 76140  
Item  101276057  
Style  Flat sheet  
Tare Weight  50 grams  
Size (mm, OD)  282.4 X 425.4 (W x L)  
Size (in, OD)  11.12 X 16.75 (W x L)  
Corrugations  Horizontal "B" flute  
Facings  Kraft/Kraft  
Material Caliper  3.05mm (0.120 inch)  
Count  One (1) per tray
INNER PACKAGING

INFORMATION GUIDE
101410556 - 3 1/8 GSC CHARGE TRAY ASSY

101276057

101290900

101290899

101217221
APPENDIX B

Outer Packaging

A Kraft/Kraft double wall Regular Slotted Fiberboard Container (RSC) outer packaging. Outer closure method tested with four (4) 15mm metal staples top flap seam and bottom flap seam.

OUTER PACKAGING:

<table>
<thead>
<tr>
<th>UN code</th>
<th>4G</th>
</tr>
</thead>
<tbody>
<tr>
<td>Manufacturer</td>
<td>All Star Corrugated (817-551-5580)</td>
</tr>
<tr>
<td></td>
<td>1425 Forum Way S</td>
</tr>
<tr>
<td></td>
<td>Fort Worth, TX 76140</td>
</tr>
<tr>
<td>Item</td>
<td>101856899</td>
</tr>
<tr>
<td>Tare Weight</td>
<td>765 grams</td>
</tr>
<tr>
<td>Style</td>
<td>Regular Slotted Container (RSC)</td>
</tr>
<tr>
<td>Size (mm, OD)</td>
<td>455 X 310 X 260 (L x W x H)</td>
</tr>
<tr>
<td>Size (in, ID)</td>
<td>17+11/16 X 11+1/2 X 9+1/8 (L x W x H)</td>
</tr>
<tr>
<td>Board Grade</td>
<td>BMC: 275# Burst Strength</td>
</tr>
<tr>
<td></td>
<td>* Tests to: 111 (42/24/27/26/42) lb./1000 ft²</td>
</tr>
<tr>
<td>Corrugations</td>
<td>Vertical &quot;B-C&quot; flute</td>
</tr>
<tr>
<td>Facings</td>
<td>Kraft/Kraft</td>
</tr>
<tr>
<td>Material Caliper</td>
<td>6.29mm (0.248 inch)</td>
</tr>
<tr>
<td>Flaps</td>
<td>Minor = 145mm gap, top and bottom panel</td>
</tr>
<tr>
<td></td>
<td>Major = meets, top and bottom panel</td>
</tr>
<tr>
<td>Mfr’s Joint</td>
<td>Stapled outside corner, 38mm tab (1+1/2 inch)</td>
</tr>
<tr>
<td>Printing</td>
<td>None as tested</td>
</tr>
<tr>
<td>Closure</td>
<td>Metal Staples</td>
</tr>
<tr>
<td>Supplier</td>
<td>Uline (800-958-5463)</td>
</tr>
<tr>
<td></td>
<td>8900 N. 55th Street</td>
</tr>
<tr>
<td></td>
<td>Milwaukee, WI 53223</td>
</tr>
<tr>
<td>Part No.</td>
<td>5/8-inch A58 Stick Staples, 5/8-inch RR1-58 Roll Staples</td>
</tr>
<tr>
<td>Application</td>
<td>Two (2) 15mm metal staples installed 40mm (1.57 inch) and 130mm (5.11 inch) from both side panels along the top flap seam and bottom flap seam, four (4) staples total top and bottom</td>
</tr>
<tr>
<td>Method</td>
<td>Staples were applied by customer</td>
</tr>
</tbody>
</table>

a) Flat Pad Warning

| Manufacturer | All Star Corrugated (817-551-5580) |
|             | 1425 Forum Way S |
|             | Fort Worth, TX 76140 |
| Item        | 101276057 |
| Style       | Flat sheet |
| Tare Weight | 50 grams |
| Size (mm, OD) | 282.4 X 425.4 (W x L) |
| Size (in, OD) | 11.12 X 16.75 (W x L) |
| Corrugations | Horizontal "B" flute |
| Facings     | Kraft/Kraft |
| Material Caliper | 3.05mm (0.120 inch) |
| Count       | Two (2) per RSC shipper |

Note: One (1) pad is placed in the bottom of the RSC shipper, one (1) pad is placed in the top of the RSC shipper.
**Packaging Instructions**

**ASSEMBLY INSTRUCTIONS**

**FORE: AQ1800**

<table>
<thead>
<tr>
<th>DESCRIPTION</th>
<th>REV. LEVEL</th>
<th>REV. DATE</th>
<th>DESIGN ENGINEER</th>
<th>MFG. ENGINEER</th>
</tr>
</thead>
<tbody>
<tr>
<td>BOX, UN CERTIFIED, 18 X 12 X 10</td>
<td>F</td>
<td>10/5/09</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>MATERIAL #</th>
<th>DRAWING #</th>
<th>DESCRIPTION</th>
<th>QTY</th>
<th>PER BOX</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>AQ1800</td>
<td>995.44005</td>
<td>BOX, UN CERTIFIED, 18 X 12 X 10</td>
<td>1</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>101290899</td>
<td>D00046118</td>
<td>PAD, 0.800 DIAM</td>
<td>12</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>101217221</td>
<td>D00009361</td>
<td>PACKAGING TRAY</td>
<td>4</td>
<td>100</td>
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</tr>
<tr>
<td>101276057</td>
<td>D00030453</td>
<td>FLAT PAD WARNING</td>
<td>6</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>101290900</td>
<td>D00046119</td>
<td>PAD, 1.510 DIAM</td>
<td>12</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>101215637</td>
<td>D00007985</td>
<td>Static Shield Bag</td>
<td>4</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>101215638</td>
<td>D00007910</td>
<td>Desiccant Bag</td>
<td>4</td>
<td>100</td>
<td></td>
</tr>
<tr>
<td>101276897</td>
<td>D00031509</td>
<td>PAMPHLET</td>
<td>1</td>
<td>100</td>
<td></td>
</tr>
</tbody>
</table>

**PACKAGE WEIGHTS:**

GROSS WTS. FOR UN TESTING PKG

30.35 KG (66.9 LB)

*Note: not required for package testing*

PLACE 3 EA 0899 PADS IN BOTTOM OF EACH TRAY, PLACE EACH CHARGE LINER OPEN FACED UP, WHEN ALL CHARGES HAVE BEEN PLACED APPLY 3 0900 PADS ON TOP OF CHARGE THEN 1 FLAT PAD ON TOP. VACUUM AND HEAT SEAL INSIDE MOISTURE BARRIER METALLIZED POLY BAG.

TWO STAPLES ARE USED ON EACH SIDE OF THE BOTTOM OF BOX +AQ1800, PLACE A FLAT PAD ON THE BOTTOM OF THE BOX THEN ONE TRAY ON TOP OF ANOTHER, THEN ANOTHER FLAT PAD. STAPLE CLOSED WITH FOUR STAPLES, TWO ON EACH SIDE. ADDITION MATERIALS MAY BE ADDED TO INSURE GROSS WEIGHT LISTED ABOVE IS REACHED FOR EACH BOX.
Jet Research Center, a Division of Halliburton  
Project ID: #1989; Cert. #4-CA0942  
December 9, 2014  
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### ULINE Shipping Supply Specialists

**5/8” A58 Stick Staples**

Uline stocks a complete inventory of carton staples.

- Compatible with International Staple, Duofast, Salco, Beck and BEA.
- **FREE OFFER** - Order $200 worth of staples and receive a FREE H-289 Staple Remover.

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>SIMILAR TO</th>
<th>CROWN WIDTH</th>
<th>LEG LENGTH</th>
<th>QTY/UNIT</th>
<th>QTY/CTN.</th>
<th>LBS/CTN.</th>
<th>PRICE/CTN.</th>
<th>ADD TO CART</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-1397</td>
<td>A58</td>
<td>1 5/8”</td>
<td>5/8”</td>
<td>25,000</td>
<td>52</td>
<td>$67</td>
<td>$82</td>
<td>$80</td>
</tr>
</tbody>
</table>

### ULINE Shipping Supply Specialists

**5/8” RR1-58 Roll Staples**

Uline stocks a complete inventory of carton staples.

- Compatible with International Staple, Duofast, Salco, Beck and BEA.
- This staple is similar to RR1-58 (roll)
- **FREE OFFER** - Order $200 worth of staples and receive a FREE H-289 Staple Remover.

<table>
<thead>
<tr>
<th>MODEL NO.</th>
<th>SIMILAR TO</th>
<th>CROWN WIDTH</th>
<th>LEG LENGTH</th>
<th>QTY/UNIT</th>
<th>QTY/CTN.</th>
<th>LBS/CTN.</th>
<th>PRICE/CTN.</th>
<th>ADD TO CART</th>
</tr>
</thead>
<tbody>
<tr>
<td>S-580</td>
<td>RR1-58</td>
<td>1 1/4”</td>
<td>5/8”</td>
<td>1,000</td>
<td>24,000</td>
<td>40</td>
<td>$98</td>
<td>$90 $84</td>
</tr>
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</table>