This report contains true and correct data obtained in the performance of the test program set forth in your purchase order. Test methods, results, and equipment used are recorded on these data sheets.

Where applicable, instrumentation used in obtaining this data has been calibrated using standards which are traceable to the National Institute of Standards and Technology.

SUMMARY:

One Case, Part No. 1510-011-110 (no serial number) was subjected to Dust IP6X Category 2 Testing and Immersion IPX7 Testing in accordance with CEI IEC 529 specifications. Upon completion of the tests, no visible evidence of damage to the test specimen was observed. Complete test details, including photos and equipment lists, are contained in this report.

Test Dates: 10/16/06-10/17/06
DATA SHEET

Customer  Pelican Products, Inc.  Job No.  53628

Date  10/9/2006

Specimen  Case

RECEIVING INSPECTION

No. of Specimens Received:  1

Record identification information exactly as it appears on the tag or specimen:

Manufacturer:  Pelican Products, Inc.

P/N's  1510-001-110

S/N's  N/A

How does identification information appear: (name plate, tag, painted, imprinted, etc.)

Sticker

Examination:  Visual, for evidence of damage, poor workmanship, or other defects, and completeness of identification.

Inspection Results:  There was no visible evidence of damage to the specimen(s) unless otherwise noted below.


W614-8/97 QA Form Approval  GM.
# DATA SHEET

**Test Title:** Dust IP6X Category 2  
**Customer:** Pelican Products, Inc.  
**Specimen:** Case  
**Part No.:** 1510  
**Spec:** CEI IEC 529  
**Serial No.:** N/A  
**Par.:** 13.4 & 13.6  
**Job No.:** 53628  
**Date Started:** 10/16/2006  
**Date Comp.:** 10/16/2006  
**Amb. Temp.:** 15°C to 35 °C  

## Requirements:

- Dust Concentration: 2 Kg per cubic meter test chamber volume
- Duration: 8 hours

## Test Method:

Place the test specimen in a test chamber. Establish a dust concentration of 2 Kg per cubic meter of test chamber volume. Expose the test specimen to this dust environment for 8 hours.

Remove accumulated dust from the test specimen by brushing, wiping, or shaking, taking care to avoid introducing additional dust into the test item. Do not remove dust by either air blast or vacuum cleaning. Perform a visual examination for evidence of damage or deterioration.

## Test Results:

All testing was performed according to the Test Methods and Requirements stated above. Upon completion of the test, no visual evidence of dust intrusion was observed inside the test specimen. No visible evidence of damage to the test specimen was observed upon completion of testing.

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**W614A-8/97 QA Form Approval**  
**GM.**  
**Tested By**  
**Chris Mitchell 10/24/06**  
**Engineer**  
**Helen Pach 10/21/06**
Photograph 1
Dust Test Setup (Tested with other Pelican Product Items)

Photograph 2
Post Dust Test
<table>
<thead>
<tr>
<th>EQUIPMENT</th>
<th>MANUFACTURER</th>
<th>MODEL #</th>
<th>RANGE</th>
<th>WYLE #</th>
<th>CALIBRATION</th>
<th>ACCY.</th>
</tr>
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<tbody>
<tr>
<td>Chamber - Environmental</td>
<td>Wyle</td>
<td>Dust</td>
<td>-60 to +180°F / 11' x 7' x 7' / LN2</td>
<td>W50716</td>
<td>* System Calibration *</td>
<td>Mfg. Spec.</td>
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<tr>
<td>Controller - Chamber</td>
<td>Watlow / Omega</td>
<td>922 / CN9000</td>
<td>-100º to 240ºF</td>
<td>W50708</td>
<td>* System Calibration *</td>
<td>Mfg.Spec.</td>
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<td>Multimeter/DAS</td>
<td>Keithley</td>
<td>2700</td>
<td>10VDC &amp; Type T TC's</td>
<td>W13690</td>
<td>12/01/2005</td>
<td>12/01/2006</td>
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<tr>
<td>Rh Probe</td>
<td>Vaisala</td>
<td>HMP 135Y</td>
<td>0-100%</td>
<td>W11829</td>
<td>05/31/2006</td>
<td>11/30/2006</td>
</tr>
<tr>
<td>Stopwatch</td>
<td>Cole Parmer</td>
<td>365530</td>
<td>10 hour</td>
<td>W13604</td>
<td>07/28/2006</td>
<td>01/28/2007</td>
</tr>
</tbody>
</table>

Where applicable, the listed test equipment has been calibrated using standards which are traceable to the National Institute of Science & Technology. Certificates and reports of all calibrations are retained in the Wyle Laboratories QA files and are available for inspection upon request. *Equipment identified as System Calibration are verified prior to use.
DATA SHEET

Test Title: Immersion (IPX7)

Customer: Pelican Products, Inc.
Specimen: Case
Part No.: 1510
Spec.: CEI IEC 529

Job No.: 53628
Date Started: 10/17/2006
Date Comp.: 10/17/2006
Serial No.: N/A
Par.: 14.2.7
Photo: Yes
Amb. Temp.: 75° ± 15 °F

Requirements:

Water Level: Test specimens with a height less than 850 mm (33.46 inches) has the lowest point of the test specimen 1000 mm (39.37 inches) below the surface of the water surface. Test specimens with a height equal to or greater than 850 mm (33.46 inches) has the highest point of the test specimen 150 mm (3.9 inches) below the surface of the water.

Water Temperature: Water temperature maintained at not less than 5 °K (10 °F) below the specimen temperature.

Soak Duration: 30 minutes

Test Method:

Visually inspect the test specimen. Place the test specimen in a submersion tank. Test specimens with a height less than 850 mm (33.46 inches) has the lowest point of the test specimen 1000 mm (39.37 inches) below the surface of the water surface. Test specimens with a height equal to or greater than 850 mm (33.46 inches) has the highest point of the test specimen 150 mm (3.9 inches) below the surface of the water.

Verify the water temperature is not less than 5 °K (10 °F) below the specimen temperature. Allow the test specimen to soak for 30 minutes.

Remove the test specimen from the tank. To check for the presence of moisture inside the specimen the specimen is to be cut open per customer directions. Document all results.

Test Results:

The test was performed in accordance with the Test Method and Requirements stated above. Small weights and sand bags totaling 88 lbs were placed inside the test specimen to eliminate buoyancy. Upon completion of the test, no water was observed inside the test specimen. No visible evidence of damage to the test specimen was observed upon completion of testing.

W614A-8/97 QA Form Approval GM.

Tested By

Engineer

Page 1

Page 7 of 10
Photograph 3
Immersion Test Setup

Photograph 4
Immersion Test Setup
Photograph 5
Immersion Test Setup

Photograph 6
Immersion Test Setup
**TEST TITLE:** Immersion (IPX7)

**CUSTOMER:** Pelican Products, Inc  
**Job No.:** 53628  
**Date:** 10-11-2006  
**Specimen:** Cases  
**Technician:** S. Paysen  
**Part No.:** See Recv. Insp.  
**Serial No.:** See Recv. Insp.  
**Engineer:** H. Pemberton

<table>
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<tr>
<th>EQUIPMENT</th>
<th>MANUFACTURER</th>
<th>MODEL #</th>
<th>RANGE</th>
<th>WYLE #</th>
<th>CALIBRATION</th>
<th>ACCY.</th>
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<td>Cylinder Graduated</td>
<td>Pyrex</td>
<td>3025</td>
<td>0 - 250 ml</td>
<td>W13057</td>
<td>09/14/2006</td>
<td>09/14/2009</td>
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<td>1000 lbs.</td>
<td>W13126</td>
<td>05/08/2006</td>
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<td>Stopwatch</td>
<td>Cole Parmer</td>
<td>365530</td>
<td>10 hour</td>
<td>W13604</td>
<td>07/28/2006</td>
<td>01/28/2007</td>
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<tr>
<td>Temperature - Digital Indicator</td>
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<td>819</td>
<td>-300 to +700 ºF</td>
<td>W13596</td>
<td>07/28/2006</td>
<td>01/28/2007</td>
</tr>
</tbody>
</table>

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