TEST REPORT

Customer Name: M/s Automotive Solutions
Address: Dev Praksh Shashtri Marg,
WZ-75 A, (Near Pusa Area)
TODAPUR, NEW DELHI-110012
Phone: 09350042380
Contact Person: Mr. Sachiv Dhawan

SAMPLE INFORMATION

<table>
<thead>
<tr>
<th>Sample Description</th>
<th>Type of Test Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear Guard Brass Coating Lacquer</td>
<td>Quality of Lacquer, Lead and Cadmium Leaching Test</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Quantity Submitted</th>
<th>Date of Receipt</th>
<th>Colour</th>
<th>Reference No.</th>
<th>Type of Test Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>200 ml approx.</td>
<td>18.11.2014</td>
<td>Light Honey</td>
<td>Letter dated 13.11.2014</td>
<td>Quality of Lacquer, Lead and Cadmium Leaching Test</td>
</tr>
</tbody>
</table>

TEST RESULT

<table>
<thead>
<tr>
<th>Sample Type of Test Conducted</th>
<th>Ref. to Test Method/Standard</th>
<th>Result</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Clear Guard Brass Coating Lacquer</td>
<td>Gloss</td>
<td>Glossmeter</td>
<td>65-70 @20°</td>
</tr>
<tr>
<td>Acid Resistance</td>
<td>IS 101</td>
<td>Pass</td>
<td>SATISFACTORY</td>
</tr>
<tr>
<td>Alkali Resistance</td>
<td>IS 101</td>
<td>Pass</td>
<td>SATISFACTORY</td>
</tr>
<tr>
<td>Adhesion</td>
<td>Cross Hatch</td>
<td>Pass</td>
<td>SATISFACTORY</td>
</tr>
<tr>
<td>Salt Spray (100 Hours)</td>
<td>ASTM B 117</td>
<td>Pass</td>
<td>SATISFACTORY</td>
</tr>
<tr>
<td>Thickness</td>
<td>Thickness Gauge</td>
<td>4-5 µm</td>
<td>SATISFACTORY</td>
</tr>
<tr>
<td>Scratch Test</td>
<td>Pencil test</td>
<td>2H</td>
<td>SATISFACTORY</td>
</tr>
</tbody>
</table>
### Result

Type of Test Conducted – Lead and Cadmium Leaching Test as per FDA

<table>
<thead>
<tr>
<th>Sample</th>
<th>Type of Test Conducted/Method</th>
<th>Test Result in PPM</th>
<th>Comment</th>
</tr>
</thead>
<tbody>
<tr>
<td>Brass Plate coated with Clear Guard</td>
<td>Lead and Cadmium Leaching Test as per FDA/ASTM E-1613-04 &amp; C-738</td>
<td>Average 0.30 ppm</td>
<td>&lt;0.05 ppm</td>
</tr>
</tbody>
</table>

### CONCLUSION/REMARKS

PASS

**Note:**

1. This test result relate to the item(s) tested.
2. This report is not to be produced wholly or in part and cannot be used as evidence in the court of Law & should not be used in any Advertising Media without prior permission of CSIR-NML in writing.

**Authorized Signatory**

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Corrosion & Surface Engineering Division  
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END OF REPORT