

GREENVCI (THAILAND) CO., LTD.  
88/259 RATCHADA-RAMINDRA RD., KHAN NA YAO, KHAN NA YAO,  
BANGKOK 10230

The following sample(s) was/were submitted and identified by client as:

Sample Name : GREENVCI VCI Film  
Sample Description : LDPE Film with Anti-Corrosion Function  
Color : Transparent (Clear)  
Batch/Lot No. : GRM-100  
Country of Origin : Thailand  
Manufacturer/Vendor : GREENVCI (THAILAND) CO.,LTD.

The following sample(s) was/were identified by SGS as:

Sample No. : 4684085  
Sample Condition : Sample is contained in a plastic bag.  
Quantity Submitted : 1 bag  
Sample Receiving Date : February 18, 2020  
Testing Period : February 18 – March 04, 2020  
Test Performed : Selected test(s) as requested by applicant  
Test Requested : Testing of Anti-Corrosive Effect of VCI Auxiliary Packaging  
Materials (In accordance with German test method TL 8135-0002)  
Test Results : For further details, please refer to the following page(s)

### Conclusion

The test data were provided to client for their own analysis.

Signed for and on behalf of  
SGS (Thailand) Ltd.



Rutchuporn Mounksom  
Laboratory manager - Toy and Hardgood

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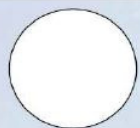



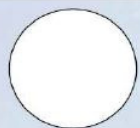



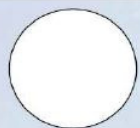



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**Test Conducted:**

**Testing of Anti-Corrosive Effect of VCI Auxiliary Packaging Materials**  
**(In accordance with German test method TL 8135-0002)**

<b>Test Material</b>	Mild Steel Disc												
<b>Test Equipment</b>	1000ml Conical Flask with rubber bung 25*150mm VCI film Mixture of water/glycerine (in the ratio of 2:1)												
<b>Test Procedure</b>	<ol style="list-style-type: none"> <li>1. Sand the Mild Steel Disc</li> <li>2. Clean the Steel Disc with toluene</li> <li>3. Clean the Steel Disc with methanol</li> <li>4. Slit the VCI film into 4 strips of 25*150mm.</li> <li>5. Place the Mild Steel Disc into the rubber bung.</li> <li>6. 4 pieces of film are placed on each of the slits on the rubber bung.</li> <li>7. The bung with the metal and film sample is placed in to the conical flask.</li> <li>8. The flask is left at room temperature for 20 hours.</li> <li>9. 10ml of the mixture is added to conical flask. Reseal the conical flask.</li> <li>10. Allow flask to equilibrate for a further 2 hours at room temperature.</li> <li>11. Place the conical flasks in the oven at 40°C for another 2 hours.</li> <li>12. The corrosion symptoms are recorded and the protective effect is assessed by comparison with the control sample.</li> </ol>												
<b>Evaluation Of Result</b>	<p>The corrosion protection effect is graded based on the below requirements of TL 8135-0002. Grade 3 and 2 is considered as pass this test. Grade 1 and 0 are considered as test fail.</p> <table border="1" style="width: 100%; text-align: center;"> <thead> <tr> <th>Grade 3</th> <th>Grade 2</th> <th>Grade 1</th> <th>Grade 0</th> </tr> </thead> <tbody> <tr> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>Good protection No corrosion</td> <td>Moderate protection 5% corrosion</td> <td>Slight protection 5~30% corrosion</td> <td>No protection Over 30% corrosion</td> </tr> </tbody> </table>	Grade 3	Grade 2	Grade 1	Grade 0					Good protection No corrosion	Moderate protection 5% corrosion	Slight protection 5~30% corrosion	No protection Over 30% corrosion
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<b>Test result</b>	No corrosion was found on the Steel Disc- Grade 3.												

Remarks : The test item was performed by SGS Shanghai Co.,Ltd.

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## Remark:

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2. The declaration of conformity is only based on the actual value of laboratory activity, measurement uncertainty of the results not take into account.

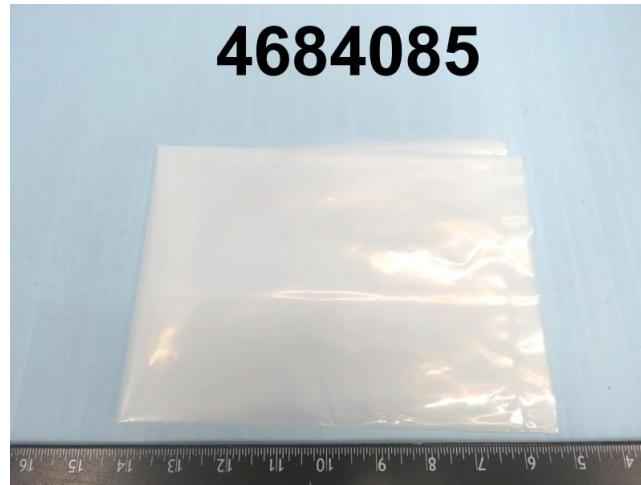
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Photo



Sample as received



Surface of Steel Disc (Before Test)



Surface of Steel Disc (After Test)

SGS authenticate the photo on original report only

\*\*\* End of Report \*\*\*

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