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| <b>TEST REPORT</b><br><b>276447 / 2</b>  | <b>BLG TECH LIMITED</b><br>UNIT 2205, MERCHANT BLDG, 303-307 D.V.R.<br>SHEUNG WAN-HONG KONG<br>CN - CHINA |
| Revision: 0<br>Date received: 19/08/19<br>Date of test: 12/09/19<br>Date of issue: 03/10/19<br>Sample name: BLG4 |   |

**Resistance of Emulsion Paints in the Container to Attack by Microorganisms ASTM D2574-16**

Condition of sample as received: no visible contamination  
 Microorganisms used: Pseudomonas aeruginosa DSM 50071 (= ATCC #10145 )  
 Klebsiella aerogenes DSM 30053 (= ATCC #13048 )  
 Date of 1st inoculation: 12/09/2019  
 Date of 2nd inoculation: 12/09/2019  
 Load of inoculum: ca. 10E+06 cfu/g of paint

Examination of samples

|                | time after 1st inoculation          |                                       | time after 2nd inoculation |                          | Remarks                 |
|----------------|-------------------------------------|---------------------------------------|----------------------------|--------------------------|-------------------------|
|                | 4 days                              | 7 days                                | 4 days                     | 7 days                   |                         |
| test sample    | no visible contamination            | no visible contamination              | no visible contamination   | no visible contamination | resistant to attack     |
| control sample | light contamination<br>slight odour | heavy contamination<br>distinct odour | ---                        | ---                      | not resistant to attack |

Recovery of microorganisms after inoculation by streaking on TS agar

|                | 7 days after 1st inoculation | 7 days after 2nd inoculation | Remarks                 |
|----------------|------------------------------|------------------------------|-------------------------|
| test sample    | no bacterial recovery        | no bacterial recovery        | resistant to attack     |
| control sample | heavy contamination          | ---                          | not resistant to attack |

Note  
 - The paint under test proved resistant in the container to attack by the micro-organisms employed in the test.

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 Mapping Director  
 Dr. Andrea Giavon

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