

**LABORATORY REPORT**

BERGER PAINTS EMIRATES LTD CO (L.L.C.)
P.O. Box: 27524
Al Quoz, Dubai, UAE

Report No: WD-R-210708-0478
Sample No: WD-S-210708-0436
Report Date: 27/07/2021

Introduction: Further to the request received from **M/s. BERGER PAINTS EMIRATES LTD CO (L.L.C.)** on 08th July 2021, the sample of Paint was tested and the results are as follows.

Sample Type : Paint
Sample Request Number : WD-Q-210708-0187
Sample Received Date : 08/07/2021
Date of Test : 08/07/2021-27/07/2021
Tested By : AP/VP

General Information

Sample Description : Value Super Emulsion

Result of Analysis

Test	Method	Unit	Result
VOC	USEPA 24	g/L	<1*
Lead (Pb)	WL-IP-028	ppm	<0.08*
Cadmium (Cd)		ppm	<0.08*
Arsenic (As)		ppm	<0.08*
Mercury (Hg)	ICP-AES	ppm	<0.1*
Antimony (Sb)		ppm	<0.1*
Hexavalent Chromium (Cr VI)		ppm	<0.1*

*Note: LOD of the test method. Below LOD is considered as 'Nil' or 'Absent'.

Remarks: None.

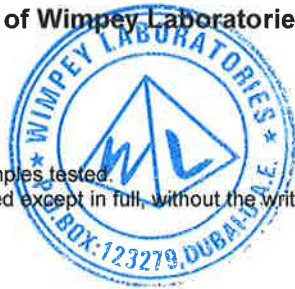
Signed for and on behalf of Wimpey Laboratories

Varun Payyadakkath
Senior Chemist

Test results relate only to the samples tested.

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TEST REPORT

Berger Paints Emirates Ltd. Co. LLC
Dubai, UAE.

Report No : WD-R-210510-0797
Sample No : WD-S-210510-0691
Report Date : 12/06/2021

Sample Description : Value Super Emulsion
Sample Received : 10/05/2021
Test Date : 10/05/2021 – 10/06/2021
Test Conducted By : PS

1.0 Introduction

Further to the requisition received from Berger Paints Emirates Ltd. Co. LLC dated 10th May, 2021, the sample was tested for Resistance to growth of Mold.

2.0 Test method reference

In-house protocol: ASTM D 3273; Standard Test Method Resistance to Growth of Mold on the Surface of Interior Coatings in an Environment Chamber.

3.0 Methodology

The test method describes a small environmental chamber and the operational conditions to evaluate the relative resistance of the sample material to surface mold fungi for a period of 4 weeks.

The prepared sample and the controls of the same substrate were exposed for a period of 4-weeks to sporulated mold, within the environmental chamber at specified temperature and relative humidity condition.

Observations were made on a weekly basis over a period of 4 weeks.

The result was reported by rating the panels for mold growth for a period of 4-weeks. Surface defacement was estimated on "0 to 10" rating scale, in such a way that the value of "10" is taken as no defacement and a value of "0" is completely defaced.

Observed Mold growth on test specimens	Rating
0 defacement	10
1 to 10% defacement	9
11 to 20% defacement	8
21 to 30% defacement	7
31 to 40% defacement	6
41 to 50% defacement	5
51 to 60% defacement	4
61 to 70% defacement	3
71 to 80% defacement	2
81 to 90% defacement	1
91 to 100% defacement	0



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4.0 Test Results

Test Duration	Observation/Result	Rating
Week # 1	No Mold growth	10
Week # 2	No Mold growth	10
Week # 3	No Mold growth	10
Week # 4	No Mold growth	10
Final Rating as per ASTM D 3273		10

Remarks:

1. *Aspergillus niger*, *Aureobasidium pullulans* and *Penicillium species* are used as mold representatives
2. Facing of the sample is only assessed for the fungal growth under the controlled environmental conditions.
3. Controls were satisfactory, throughout the analysis period.

5.0 Conclusion

Final rating scale of 10 as per ASTM D3273, indicates, that the analyzed sample submitted by M/s Berger Paints Emirates Ltd. Co. LLC is resistant to fungal growth under the required test conditions.

Signed for and on behalf of Wimpey Laboratories


Mrs. Shamma Salamuddin
Head of Microbiology

Test results relate only to the samples tested.

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