

**LABORATORY TEST REPORT**

Client	Berger Paints Emirates Ltd. Co. LLC, PO Box No. 27524, Dubai, UAE		
Project Name	N.G	Lab Report No.	WLR14-17410
Sample Description	Select Medium Tex –White	Sample No.	WS14-8159/12
Source	Berger Paints Emirates Ltd LLC	Date Reported	31/12/2014
Client's Ref.	N.G	Date Received	14/12/2014
Sampling Method	Not Specified	Date Tested	31/12/2014-31/12/2014
Sample brought in by	Client	Tested Location	Wimpey – Dubai
Sampling Date	N.G	Tested By	SP

**Result of Analysis**

Test	Method	Unit	Result
VOC	GC-FID	g/L	<1
Lead	ICP-OES	ppm	6.43
Chromium		ppm	69.4
Mercury		ppm	<0.1
Cadmium		ppm	<0.1
Antimony		ppm	<0.1
Arsenic		ppm	<0.1

**Signed for and on behalf of Wimpey Laboratories****Dr. Sudhanandh V.S., M. Phil, PhD  
Laboratory Manager**

Test results relate only to the samples tested.

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Testing, calibrating, advising

## REPORT OF TESTS

Description	One Sample of Paint		
Tested for	Berger Paints Emirates Ltd, P.O.Box.27524, Dubai, U.A.E		
Lab Ref. No.	WR15-05355 (Page 1 of 2)	Request No.	LOT-15010
Date Received	18.01.2015	Date Reported	11.03.2015

Client's reference : Requisition dated 18.01.2015  
Sample reference : Select Medium Tex  
AFE sample no. : LOT-15010/5

### 1.0 Introduction

Further to the test work instructions received from M/s. Berger Paints Emirates Ltd, Dubai,, dated 18.01.2015, one sample of paint provided has been tested for the following by Al Futtaim Exova LLC;

2.0 **Test method reference:** ASTM D3273 -94; Standard Test Method for Resistance to Growth of Mold on the Surface of Interior Coatings in an Environmental Chamber.

3.0 **Summary of the method:** This test method describes a small environmental chamber and the conditions of operation to evaluate reproducibly in a 4-week period the relative resistance of the coating to surface mold fungi in a control interior environment.

The prepared sample along with the controls of the same substrate are exposed for 4- weeks to sporulated mold already equilibrated within the environmental chamber at specified temperature and relative humidity. Observations are made each week for 4-weeks.

The results are reported by rating the panels for mold growth for each week for 4-weeks period on a 0 to 10 rating scale as below by estimating the percentage of surface defacement with 10 being no defacement and 0 being 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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Samples will be retained for a period of one month only, unless otherwise requested.  
The test results relate only to the samples tested.

Sample reference : Paint- Select Medium Tex  
 AFE sample no. : LOT-15010/5

#### 4.0 Test Results

Test Duration	Observation / Results	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	10	

Remarks:

1. *Aspergillus niger* (ATCC 16404) and *Penicillium species* (ATCC 11797) are used as mold representatives
2. Only front surface/facing of the sample is assessed for the growth of fungus under the conditions mentioned.
3. Controls were satisfactory throughout the analysis period.

#### 5.0 Conclusion

Final rating at scale 10 as per ASTM D3273-94 indicates that analyzed sample is resistant to Mold growth under the test conditions.

*P. Wilson*

**PAUL WILSON**  
 Chemistry and Microbiology Laboratory Manager

For and on behalf of Al Futtaim Exova (L.L.C)  
 Tested by: NZ, Date tested: 01.02.2015-04.03.2015

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