



सत्यमेव जयते

भारत सरकार
Government of India

राष्ट्रीय परीक्षण शाला (पूर्वी क्षेत्र)
National Test House (Eastern Region)

11/1 जजसे कोर्ट रोड, अलीपुर, कोलकाता - 700 027
11/1, Judges' Court Road, Alipore, Kolkata - 700 027

FORM NO : NTH/ALP/F/5



TEST CERTIFICATE

INTERIM/FINAL REPORT

परीक्षण प्रमाण पत्र सं

Test Certificate No
NTH(ER)/CH(OD)/2018/0015F

जारी होने की तिथि

Date of Issue
04/12/2018

कोड नं

Code No
1537949176275

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जिसे जारी करना है

Issued To

MONALISA COLOUR & CHEMICAL CO.

पता

Address

9,Pran Krishna Mukherjee Road, Kolkata- 700002

ग्राहक का संदर्भ सं एवं दिनांक

Customer's Ref. No.

NIL

Date: 24/09/2018

पंजिका सं एवं दिनांक

Register No & Date

0015/NTH(ER)/CH(OD)/27/09/2018

परीक्षण सामग्री का विवरण

Description of Test Item

"Metallica Gold" Int./Ext Plastic Metallic Emulsion. (Swagat
Metallica Interior/Exterior Metallic Plastic Emulsion)

परीक्षण सामग्री का पहचान

Identification of Test Item

Interior/Exterior Plastic Emulsion Paint packed in Plastic
containers (3X500 ml), Marked as Batch No - MT/189/24/9/18,
Sample described as "Metallica Gold" Int./Ext Plastic Metallic
Emulsion

नमूना का विशिष्टि (यदि हों)

Product Specification (If any)

IS:15489-2004

नमूना प्राप्ति की तिथि

Date of Receipt of the Test Item

26/09/2018

कार्य सम्पादन की तिथि

Date(s) of Performance of Tests

From: 28/09/2018

To: 03/12/2018

व्यावहृत प्रणाली का पहचान

Method(s) used for Test

On the lines of IS:101

नमूना प्रक्रिया बही प्रासंगिक हों

Sampling Procedure where relevant

Not Applicable

Tested By

Milton Baidya
SA(Chemical)

Checked By

Susanta Kumar Ratha
SO (Chemical)

Approved By

Dr. Anath Bandhu Mondal
Scientist- B (Chemical)



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Sl. No.	Test Name	Test Result	Limit
1	Condition	Sample is free from lumps, skin and odour of putrefaction	Good
2	Consistency	Smooth, Uniform and suitable for application by brushing	Suitable for application by brushing
3	Surface Dry	Less than 45 minutes	Class A & B Max. 45 min., Class C & D Max. 90 min.
4	Hard Dry	Less than 4 hours	Class A & B Max. 4 hrs., Class C & D Max. 8 hrs.
5	Finish	Smooth, Uniform and Matt	Smooth & uniform

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M Baidya
Milton Baidya
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Sl. No.	Test Name	Test Result	Limit
6	Gloss at 60 deg.	5.2 (Class-A)	Class A 0-10 , Class B 11-25 , Class C 26-70 , Class D 71 and above
7	Fastness to light	Passes the test	There should be no appreciable colour difference after the test.
8	Resistance to alkali	Satisfactory, Passes the test	There should be no appreciable colour difference after the test.
9	Thinning properties	Satisfactory	Should mix readily with water.
10	Application properties	Satisfactory	Suitable for application by brush or spray.

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Sl. No.

Test Name

Test Result

Limit

11

Recoating
properties

Satisfactory

Should not show colour
separation, sagging, pitting,
flaking or cracking.

12

Washability &
Cleanability test/Wet
scrub resistance

Passes the test

The film should not show any
deterioration or colour fading.

13

Accelerated Storage
Stability

Passes the test

The material should be
suitable for application by
brushing or spraying after the
test

14

Mass in Kg./10 litres

12.33

Not specified

15

Opacity (Hiding)

Satisfactory

close match to the specified
colour after the test

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Sl. No.

Test Name

Test Result

Limit

16

Accelerated weathering test inQ UV weathering apparatus for 21 days

Satisfactory, No change in colour, no flaking, no cracking, and no chalking were observed

To pass the test in different parameters like color , flaking , cracking & chalking.

17

Lead (as Pb) Content, ppm

Absent

300ppm Max

टिप्पणी

Nil

Note

कैफियत

Remarks

In respect of tests carried out, the sample meets the requirements of IS:15489-2004 Specification for Paint, Plastic Emulsion for Class A, Type 1 & 2.

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