



सत्यमेव जयते

भारत सरकार Government of India

राष्ट्रीय परीक्षण शाला (पू.क्षे.)

National Test House (ER)

राष्ट्रीय परीक्षण शाला (पू.क्षे.), 11/1, जजसे कोर्ट रोड, अलीपुर, कोलकाता, पश्चिम बंगाल - 700027
11/1, Judges' Court Road, Alipore, Kolkata, West Bengal - 700027



PART A. PARTICULARS OF SAMPLE SUBMITTED

COMPLETE TEST REPORT

भाग 'अ' जमा किये गये नमूने का विवरण

परीक्षण प्रमाणपत्र सं/Test Certificate No: **NTH(ER)/CH(P)/22/1472_1** SRF Number: **NTH(ER)/CH(P)/22/1472** जारी होने की तिथि/Date of issue **24 Jan, 2023** कोड सं/QR Code/Barcode : **NTH220010541**

a) जिसे जारी करना है/Issued To	:	Rawal Shri Mallinathji's And Rani Rupadeoji's Malajal Enterprises
b) पता/Address	:	Khasra No - 520/135, Tehsi-Pachpadra, Jasol-Tilwara Road, PO & Village - Mewanagar, Barmer, Rajasthan - 344022, Balotra, Barmer, Rajasthan, India - 344022, Balotra, Barmer, Rajasthan, India - 344022
c) ग्राहक का संदर्भ सं एवं दिनांक/ Customer's Ref. No.	:	TR/ER/22/2696 - 11 Nov, 2022
d) नमूना मुहरबंद स्थिति/Sample Sealed Status	:	Not Applicable
e) परीक्षण सामग्री का विवरण/ Description of Test item	:	1) Emulsion Interior Paints A Paint made using Cow Dung. Batch No 5 (Mfd - 04/11/2022) Mfg - Rawal Shri Mallinathji's and Rani Rupadeoji's Malajal Enterprises
f) नमूना का विशिष्टता (यदि हो)/Product Specification(if any)	:	IS 15489 (2013) - Paint, plastic emulsion - Specification (First Revision)
g) नमूना प्राप्ति की तिथि /Date of Receipt of the Test item	:	16 Nov, 2022
h) कार्य सम्पादन की तिथि/Date(s)of Performance of Tests	:	From: 28 Dec, 2022 To: 24 Jan, 2023
i) Quantity	:	2.0 Litres
j) Any other Information / Expiry Date, If any	:	IS 15489 - Paint Testing 1. Weatherproof. VOC 5. Dry time 6. Recoating properties 7. Gloss 8. Finish 9. Washability and Cleanability
k) Section Code	:	22CHP0485N
l) Section Report No.	:	22CHP0485N_1
m) Report Type	:	New
n) Reference Report No.	:	
o) Remarks	:	Report sent

Bipin Kumar
OIC SAMPLE CELL
(Authorized Signatory)
Authorized on: 24 Jan, 2023 16:15 PM

The certificate relates only to Test/Calibration item submitted to the laboratory for Testing/Calibration. This certificate cannot be reproduced except in full without written approval of the competent Authority of NTH.

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Section Report No. : 22CHP0485N_1

IS 15489 (2013)

PART B. SUPPLEMENTARY INFORMATION

1.	नमूना लेने की प्रक्रिया का संदर्भ, जहां लागू हो। Reference to sampling procedure, wherever applicable.	Not Applicable
2.	परीक्षण रिपोर्ट से संबंधित मापन एवं परिमाण प्रसि हेतु सहायक प्रलेख जैसे ग्राफ, तालिका, चित्र और / अथवा फोटोग्राफ, यदि कोई हो। Supporting documents for the measurements taken and results derived like graphs, table sketches and or photographs as appropriate to test report, if any.	Not Applicable
3.	सम्बद्ध मानक / कार्य निर्देशों में निर्धारित परीक्षण पद्धति से विचलन, यदि कोई हो। Deviation from the test methods as prescribed in relevant ISS/Work instruction, if any.	Not Applicable
4.	परीक्षण सामग्री की पहचान/identification of Test item	Emulsion Interior Paints A Paint made using Cow Dung. Batch No 5 (Mfd - 04/11/2022) Mfg - Rawal Shri Mallinathji's and Rani Rupadeoji's Malajal Enterprises
5.	व्यावृत्त की प्राणाली की पहचान/Method(s) used for Test	As referred in IS 15489:2013 RA 2018
6.	नमूना प्रक्रिया जहां प्रासंगिक हो/Sampling Procedure where relevant	As per specification
7.	पर्यावरण की स्थिति/Environmental Conditions	As per specification
8.	उपयोग किए जाने वाले प्रमुख मानक/उपकरण/Major Standards/Equipments used	Xenon arc weatherometer
9.	कैलिब्रेशन स्थल/Site of Calibration	-
10.	मापन का पता लगाने की क्षमता/Traceability of Measurement	-

AJAY APPARAO UKARANDE
OIC Testing/Calibration Chemical (Paint, High Polymer, Outdoor)
(Authorized Signatory)
Authorized on: 24 Jan, 2023 15:57 PM

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IS 15489 (2013)

PART C. TEST RESULT

S.No.	Clause No Table No. Sl. No	Parameter - Method of test	Test Description	Min Limit	Max Limit	Unit	Result/ Observation
1	6.4	Application	The material after recommended thinning shall be suitable for application by brush, spray or roller. The resulting film shall not show pigment flocculation, coarseness or other undesirable characteristics.	-	-	-	The material after recommended thinning is suitable for application by brush, spray or roller & the resulting film does not show pigment flocculation, coarseness or other undesirable characteristics.
2	6.3	Thinning	When suitably thinned with water, the material shall mix readily with minimum amount of foaming to a smooth and homogeneous state. The foaming, if any, shall dissipate rapidly.	-	-	-	The material readily mixes with water with minimum amount of foaming to a smooth and homogeneous state. The foaming, if any, dissipates rapidly.
3	6.2	Conditions in the Container	The material shall be free from odour of putrefaction. It shall be free from lumps, skins and the conditions of the material shall be such that settling, if any, may be easily incorporated on stirring.	-	-	-	The material is free from odour of putrefaction & free from lumps, skins and the conditions of the material is such that settling, if any, is easily incorporated on stirring.
4	6.7 & 6.11	Fastness to Light, (Part 4/ Sec 3)	Fastness to Light	-	-	-	Passes the test as there is no appreciable color change observed when compared to the unexposed panel after 500 hours of test.
5	6.9	Lead Restriction	ppm	-	300.0	ppm	5.43 (ppm)
6	6.11	Washability and cleanability	To pass the Test (4000 cycles)	-	-	-	Passes the test (The material does not show any film defects like blistering, exposure of undercoat, color fading etc. after the test)
7	6.5	Mass in kg/10 litre	Shall not differ by more than ± 3 percent from that of the approved sample.	-	-	kg/10 litre	14.37 (kg/10 litre)
8	6.12	Volatile organic compounds,	Percent, by mass	-	5.0	Percent, by mass	2.44 (Percent, by mass)
9	6.12	Toxic metals such as lead, cadmium, chromium (VI)	Percent, by mass	-	0.1	Percent, by mass	0.002 (Percent, by mass)

Milton Baidya
Lab Sc. Testing/Calibration Chemical (Paint, High Polymer,
Outdoor)
(Authorized Signatory)

AJAY APPARAO UKARANDE
OIC Testing/Calibration Chemical (Paint, High Polymer,
Outdoor)
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IS 15489 (2013)

PART D. REMARKS

In respect of test carried out the sample meets the requirements for as per IS 15489:2013 RA 2018 Specification for Paint, Plastic Emulsion for(Interior), Class-A.

PART D. Notes

Nil

AJAY APPARAO UKARANDE
OIC Testing/Calibration Chemical (Paint, High Polymer, Outdoor)
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