

**CONSTRUCTION BUILDING  
MATERIALS TESTING LABORATORY-RIYADH**

**TEST REPORT**


PAINTS AND VARNISHES – GLOSS, SEMI GLOSS AND MATT ALKYD ENAMEL PAINT FOR INTERIOR AND EXTERIOR SURFACES (SASO GSO 2591 : 2023)2024			
Customer	Jeddah Paints Factory Co.	Sample Description	Emulsion Acrylic Paint -White
Project Name	SASO Surveillance	Sample Source	Jeddah Paints Factory Co.
Project No.	NP	Sampling Method	NP
Location	Jeddah/ Saudi Arabia	Sampling Date	NP
Contractor	NP	Sampled By	Customer
Consultant	NP	Sample Code	218430-EM
CBML Project No.	GCS-C002629/GCA-SQ25001778	Date Received	18-May-25
CBML Sample No.	CBM-180525-005	Sample Condition	Normal
CBML Report No.	CBM-180525-005	Environmental Condition	25°C
Date of Report	19-Jun-25	Test Completed	19-May-25 to 18-Jun-25
Brand Name	Jeddah Paints Factory Co.	Production Date	17-Feb-25
Manufacturer	Jeddah Paints Factory Co.	Batch No.	25-02.1498.240

**TEST RESULT:**

Test Parameter	Standard	Result	Units	Specification Limits	Remarks
4.2 Condition in Container	SASO GSO 2591	Paint found free from biological growth, leivering, skinning, and putrefaction, hard settling of the pigment, lumps, or corrosion of the container.	-	The material shall have no evidence of biological growth, leivering, skinning, and putrefaction, hard settling of the pigment, lumps, or corrosion of the container.	Pass
4.3 Non-Volatile Content	GSO ISO 3251	69.9	%	Non-volatile content of the gloss enamel shall not be less than 50%	Pass
4.4 Consistency	GSO ISO 2194	119.2	KU	From 70 to 120 Krebs units @ (23 ± 2 °C)	Pass
4.5 Color	GSO ISO 3668	Paint is close match with reference color / White	-	Paint shall be close match with reference color	Pass
4.6 Fineness of Grind	GSO ISO 1524	15	µm	The partical size of the paint shall be less than 30µm	Pass
4.7 Lead Content	GSO ISO 3856-1	0.008	%	Shall not exceed 0.009%	Pass
4.8 Flash Point	GSO ISO 1523	No Flash Point Detected	°C	Shall be not less than 30 °C	Pass
4.9 Application Properties	SASO GSO 2591	No sagging or running other defects observed	-	Film shall be free from surface defect, such as running, sagging and streaking.	Pass
4.10 Drying Time (Surface dry)	GSO ISO 9117-4	3.2	hours	The paint shall have surface drying time not more than 2-4 hours at temperature of (23 ± 2) °C and maximum percentage humidity of (50 ± 5)% @ 100 µm thickness	Pass
4.10 Drying Time (Hard dry)	GSO ISO 9117-4	10	hours	The paint shall have surface drying time not more than 16 hours at temperature of (23 ± 2) °C and maximum percentage humidity of (50 ± 5)% @ 100 µm thickness	Pass
4.11 Appearance of Dried Film	SASO GSO 2591	Smooth finish, free from sagging ,wrinkling and any other defects	-	Smooth finish, free from sagging ,wrinkling and any other defects	Pass
4.12 Flexibility and Adhesion	GSO ISO 1519	No chipping or flaking or peeling off	-	A film shall remain firmly adherent to the test panel without chipping or flaking or peeling off (3 mm mandrel)	Pass



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4.13 Scratch Resistance	GSO ISO 1518	Withstand scratch at load 800g	-	Shall withstand scratch at load not less than 800g	Pass
4.14 Water Resistance	GSO ISO 2812-2	No wrinkling or blistering	-	A film of the paint shall show no wrinkling or blistering immediately after removal of the panel from water.	Pass
4.15 Dry Opacity	GSO ISO 6504-1	96.6	%	shall give a minimum dry film contrast ratio of more than 90% for white paint and 95% for coloured paint	Pass
4.16.1 Accelerating Weathering 300 hours for Gloss or 200 hours for Semi gloss	GSO ISO 16474-3	No blisters, chalking, discoloration, or any abnormal appearance	-	The paint layer shall show no blisters, chalking, discoloration, or any abnormal appearance	Pass
4.17 Color Fastness to Light	GSO ISO 16474-3	The paint showed no darkening or other changes when subjected to 72 Hours of Accelerated Weathering as per Clause 2.17	-	The paint shall show no darkening or other changes in appearance when subjected to 72 hours exposure for direct sun or any other light source according to clause (2.17).	Pass
4.18 Gloss	GSO ISO 2813	41	GU	Semi-Gloss @60° = 35 to 55 Gloss @60° >80	Pass
8 Packing	GSO ISO 2591	The Paints is packed in suitable ,clean and air- tight container	-	The Paints shall be packed in suitable ,clean and air- tight container to avoid any changing in product properties	Pass
8 Labelling	GSO ISO 2591	Emulsion Acrylic -white/ Saudi Arabia المملكة العربية السعودية / Batch No:25.02.1498.240 / Production Date: 17-02-2025 Packing:3.2 KgUses and safety instructions provided	-	Name, Type and Color of the Paint. Name of Manufacturer and / or Trademark. Country of origin or name brand, batch number - production date -weight/volume - uses and safety instructions.	Pass
<p>Tested by : EHSQ</p> <p>Test Variation : NIL</p> <p>Remark : The tested parameters comply with the standard requirements (SASO GSO 2591:2023) 2024</p>					
 <b>AUTHORISED SIGNATORY</b>					
<div style="border: 1px solid black; padding: 5px;"> <p><b>GCC Lab Conformity Assessment Company</b> شركة المختبر الخليجي للتحقق والمطابقة مختبر فحص منتجات مواد البناء و التشييد-الرياض Construction &amp; Building Materials Testing Lab-Riyadh CR No.: 2050115437</p> </div>					

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- Test Result is found on the Succeeding Pages for sample as Lab received.
- Test reports only to the item(s) tested on specific standard test method(s)
- Test shall not be reproduced, except in full, without written approval of CBMLR GCC Lab Conformity Assessment Co. (GCA)
- The Customer Has Right during a maximum period of 15 days from the date of issuance of this report; let us know in writing for any error that may take place in this report.
- Unless requested for return, test item(s) are disposed 90 days after test report date.
- Test conducted may form into unusable item(s). GCC Lab Conformity Assessment Co. (GCA), CBMLR do not assume liability resulting from the use of the returned item(s).
- Comply: Meet Standards Requirements, Not Comply: Not Meet Standards Requirements, RA: Result Attached for Reference, NA: Not Applicable Test, NP: Not Provided.
- Uncertainty Calculation and Decision rule calculation can be submitting, If client requested in test request.
- Unless otherwise stated in the test request the laboratory uses the Simple acceptance decision rule of ILAC G8 (binary statement for Simple Acceptance Rule (w = 0), where Specific Risk < 50 % PFA (Probability of False Accept).
- The laboratory is responsible for all information contained in the report.

