

## TEST REPORT

No. : XMIN2404000727CM01\_EN

Date : 2024-05-07

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CUSTOMER NAME: XIAMEN YINXIANG ARTIFICIAL MARBLE CO., LTD.  
ADDRESS: ROOM 307-2, NO. 10, DUIYING ROAD, JIMEI DISTRICT, XIAMEN CITY, FUJIAN PROVINCE, CHINA

Sample Name : JILIN WHITE  
Material : GRANITE

Above information and sample(s) was/were submitted and confirmed by the client. SGS, however, assumes no responsibility to verify the accuracy, adequacy and completeness of the sample information provided by client.

\*\*\*\*\*

Date of Receipt : 2024-04-24  
Testing Date : 2024-04-24 ~ 2024-05-07  
Test result(s) : For further details, please refer to the following page(s)  
(Unless otherwise stated the results shown in this test report refer only to the sample(s) tested)

Signed for  
SGS-CSTC Standards Technical  
Services Co.,Ltd. Xiamen Branch.

Bryan Hong  
Authorized signatory



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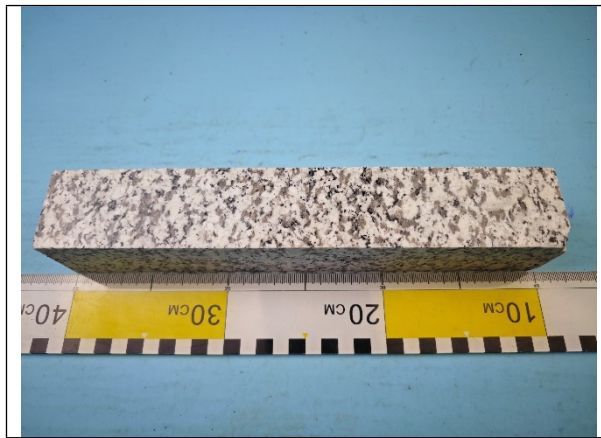
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## Summary of Results:

No.	Test Item	Test Method	Result
1	Apparent density and open porosity	EN 1936:2006	Apparent density:2620 kg/m <sup>3</sup> Open porosity:0.86%
2	Water absorption	EN 13755:2008	0.26%
3	Flexural strength	EN 12372:2022	9.9 MPa
4	Compressive strength	EN 1926:2006	182 MPa
5	Chemical composition analysis*	BS EN ISO 12677:2011	See result

Note: \* test project/method was carried out by subcontractors.

## Original Sample Photo:



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### 1. Test Item: Apparent density and open porosity

Sample Description: See photo

Test Method: EN 1936:2006

Test Condition:

Specimen: 50mm×50mm×50mm, 6pcs

Condition: Dry in an oven at 70±5°C to a constant mass → Cool them to room temperature in a desiccator → Put into an evacuation vessel at 2.0±0.7 kPa for 2h → Introduce distilled water at 20±5°C into the vessel → return to atmospheric pressure and immersed 24h

Test Result:

Specimen No.	1	2	3	4	5	6
Apparent density (kg/m <sup>3</sup> )	2620	2620	2610	2620	2620	2620
Arithmetic mean of the apparent density (kg/m <sup>3</sup> )	2620					
Open porosity (%)	0.85	0.85	0.85	0.86	0.87	0.88
Arithmetic mean of the open porosity (%)	0.86					

### 2. Test Item: Water absorption

Sample Description: See photo

Test Method: EN 13755:2008

Test Condition:

Specimen: 50mm×50mm×50mm, 6pcs

Condition: Dry in an oven at 70±5°C to a constant mass → Cool them to room temperature in a desiccator → Immerse in distilled water at 20±5°C for 72h

Test Result:

Specimen No.	1	2	3	4	5	6
Water absorption (%)	0.26	0.26	0.25	0.26	0.26	0.26
Arithmetic mean of the water absorption (%)	0.26					



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3. Test Item: Flexural strength

Sample Description: See photo

Test Method: EN 12372:2022

Test Condition:

Specimen: 300mm×50mm×50mm, 10pcs

Condition: Dry in an oven at 70±5°C to a constant mass → Store at 20±5°C to room temperature

Support Span: 250mm

Testing Speed: 0.25MPa/s

Test Result:

Specimen No.	1	2	3	4	5	6	7	8	9	10
Flexural strength (MPa)	10.0	10.2	10.0	10.0	10.3	9.7	9.6	9.2	9.7	10.3
Mean value (MPa)	9.9									
Standard deviation (MPa)	0.4									
Lower expected value (MPa)	9.2									



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### 4. Test Item: Compressive strength

Sample Description: See photo

Test Method: EN 1926:2006

Test Condition:

Specimen: 50mm×50mm×50mm, 10pcs

Condition: Dry in an oven at 70±5°C to a constant mass → Store at 20±5°C to room temperature

Testing Speed: 1MPa/s

Test Result:

Specimen No.	1	2	3	4	5	6	7	8	9	10
Compressive strength (MPa)	177	184	180	184	181	180	182	180	182	187
Mean value (MPa)	182									
Standard deviation (MPa)	3									
Lower expected value (MPa)	176									



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5. Test Item: Chemical composition analysis

Sample Description: See photo

Test Method: BS EN ISO 12677:2011

Test Result:

Test item	Test results, %
SiO <sub>2</sub>	72.29
Al <sub>2</sub> O <sub>3</sub>	14.46
Fe <sub>2</sub> O <sub>3</sub>	2.00
CaO	1.65
MgO	0.23
K <sub>2</sub> O	4.23
Na <sub>2</sub> O	4.44
TiO <sub>2</sub>	0.23
MnO	0.03
P <sub>2</sub> O <sub>5</sub>	0.03
SO <sub>3</sub>	<0.01
BaO	0.07
ZnO	<0.01
ZrO <sub>2</sub>	0.04
Loss on ignition	0.31

\*\*\*\*\*End of report\*\*\*\*\*



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