



**ORACLE**  
BY SUPERIOR STONE

# Technical Specifications Test Report-1

# TEST REPORT

No. : XMHL2306003347SD

Date : Jun 08, 2023

Page: 1 of 4

CUSTOMER NAME: XIAMEN SUPERIOR STONE CO., LTD  
ADDRESS: RM 502, NO.500, XINAO RD, JINHAI ST, XIANGAN DISTRICT,  
XIAMEN,CHINA.

Sample Name : CARRARA  
Material : DOLOMITE STONE  
Spec. : 100\*100\*20MM  
Manufacturer : XIAMEN SUPERIOR STONE CO.,LTD

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.

\*\*\*\*\*

Test Required : Selected test(s) as requested by applicant  
Date of Receipt : May 29, 2023  
Testing Start Date : May 29, 2023  
Testing End Date : Jun 08, 2023  
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)

\*\*\*\*\* To be continued\*\*\*\*\*

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

Civi Huang Authorized Signatory



SGS-CSTC Standards Technical Services Co., Ltd.  
Xiamen Branch Testing Center Commercial Construction Material Laboratory

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## Summary of test results:

(Average value)

No.	Test items	Test methods	Test results	Page
1	Water absorption	EN 14617-12013	0.08 %	3
	Apparent density		2450 kg/m <sup>3</sup>	3
2	Mohs' hardness	Refer to EN 15771:2010	No scratch:5 Scratch:6 Mohs' hardness:6	3

\*\*\*\*\* To be continued\*\*\*\*\*



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1. Apparent density and water absorption

**Test Method:**

EN 14617-1:2013 Agglomerated stone - Test methods - Part 1: Determination of apparent density and water absorption

Specimens: Agglomerated stone, 100mm×100mm×20mm, 6pcs, one face honed

**Test Result:**

Specimens identification No.	1	2	3	4	5	6
Water absorption (%)	0.07	0.07	0.08	0.09	0.08	0.09
Arithmetic mean of the water absorption (%)	0.08					
Apparent density (kg/m <sup>3</sup> )	2449	2451	2451	2448	2449	2452
Arithmetic mean of the apparent density (kg/m <sup>3</sup> )	2450					

2. Mohs' hardness

**Test Method:**

Refer to EN 15771:2010 Vitreous and porcelain: determination of scratch hardness of surface according to Mohs scale

Specimens: Agglomerated stone, 100mm×100mm×20mm, 3pcs, one face honed

Testing surface: honed

**Test Result:**

Specimens identification No.	1	2	3
No scratch	5	5	5
Scratch	6	6	6
Mohs' hardness	6		

Scale:

1- Talc; 2- Gypsum; 3- Calcite; 4- Fluorspar; 5- Apatite; 6- Feldspar; 7- Quartz; 8- Topaz; 9- Corundum; 10- Diamond.

\*\*\*\*\* To be continued\*\*\*\*\*



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Specimen photograph:



SGS authenticate the photo on original report only

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



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TEST ITEM	TEST METHODS	TEST RESULTS
APPARENT DENSITY	ASTM C97/C97M-09	2.25g/cm <sup>3</sup>
WATER ABSORPTION	ASTM C97/C97M-09	0,01%
MOH'S HARDNESS	EN101	5
FLEXURAL STRENGTH	ASTM C880/C880M-09	97.66MPA
ABRASION RESISTANCE	ASTM C241/C241M-13	36
LINEAR THERMAL EXPANSION COEFFICIENT	ASTM C531-00(2012)	32.5x10 <sup>-6</sup> /°C
CHEMICAL RESISTANCE	ASTM C650-04(2009)	Not affected
BREAKING STRENGTH	ASTM C 648-09	5660 N
IMPACT TEST	With reference to ANSI 2124.6-2007 Section 4.2.1	No visible damage
Cigarette Burn Test	With reference to ANSI 2124.6-2007 Section 5.4	No visible damage
Heated Pan Test	With reference to ANSI 2124.6-2007 Section 5.6	No visible damage

