



SGS TEST REPORT

QUARTZ STONE

Technical Quality & Performance Documentation

Presented by STONEX Trading Company

SGS REPORT NO.	SZIN2407001726PL01_EN
SGS REFERENCE NO.	GZIN2407001201CM01_EN
REPORT DATE	2024-07-30
SAMPLE	QUARTZ
PRODUCT / LOT NO.	20240720

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CUSTOMER NAME: WYW FOR ARTIFICIAL QUARTZ SLAB CO. LTD
ADDRESS: AUTOSTORAD, ZAHRAA EL MAADI, EL BASATEEN
CAIRO, EGYPT.

Sample Name : QUARTZ
Product or Lot No. : 20240720
Manufacturer : WYWfor artificial Quartz slab 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.

SGS Ref. No. : GZIN2407001201CM01_EN
Date of Receipt : 2024-07-23
Testing Period : 2024-07-23 ~ 2024-07-30
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. ShenZhen Branch.

Jessie Ho
Authorized signatory



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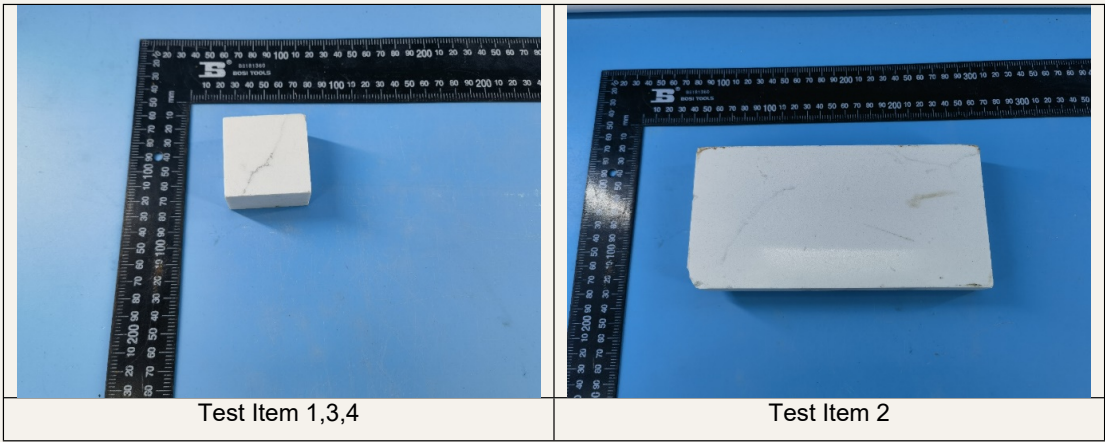
Date : 2024-07-30

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Summary of Results:

No.	Test Item	Test Method	Result
1	Absorption	ASTM C97/C97M-18	0.02 %
	Bulk Specific Gravity		2.27
2	Modulus of Rupture	ASTM C99/C99M-18	Dry: 47.1 MPa Wet: 62.3 MPa
3	Compressive Strength	ASTM C170/C170M-24a	Dry: 174 MPa Wet: 190 MPa
4	Abrasion Resistance	ASTM C241/C241M-21	32

Original Sample Photo:





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Test Item 1: Absorption and Bulk Specific Gravity

Sample Description: See photo

Test Method: ASTM C97/C97M-18

Test Condition:

Specimen: 50 mm×50 mm×30.73 mm

Condition: Dry in an oven at 60°C for 48h→ Cool them to room temperature in a desiccator→

Immerse in distilled water at 22°C for 48h

Test Result:

Specimen No.	1	2	3	4	5
Absorption by weight (%)	0.01	0.02	0.02	0.02	0.02
Mean water absorption (%)	0.02				
Bulk Specific Gravity	2.267	2.270	2.272	2.268	2.268
Mean Bulk Specific Gravity	2.27				



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Test Item 2: Modulus of Rupture

Sample Description: See photo

Test Method: ASTM C99/C99M-18

Test Condition:

- Specimen: 200 mm×99.68 mm×30.70 mm
- Dry Condition: Dry in an oven at 60°C for 48 h→ Cool them to room temperature in a desiccator
- Wet Condition: Immerse in distilled water at 22°C for 48 h
- Testing Speed: 5000 N/min
- Span: 180 mm

Test Result:

Specimen No.	1	2	3	4	5	Ave.
Modulus of rupture, Dry Condition (MPa)	43.88	49.03	41.17	51.21	50.31	47.1
Modulus of rupture, Wet Condition (MPa)	72.43	68.26	60.86	55.42	54.49	62.3



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Test Item 3: Compressive Strength

Sample Description: See photo

Test Method: ASTM C170/C170M-24a

Test Condition:

Specimen: 49.91 mm×49.71 mm×30.73 mm

Dry Condition: Dry in an oven at 60°C for 48 h→cool them to room temperature in a desiccator

Wet Condition: Immerse in distilled water at 22°C for 48 h

Testing speed: 0.5 MPa/s

Test Result:

Specimen No.	1	2	3	4	5	Ave.
Compressive strength, Dry Condition (MPa)	149.0	159.8	187.9	189.3	185.8	174
Compressive strength, Wet Condition (MPa)	188.1	192.0	193.1	192.7	186.4	190



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Test Item 4: Abrasion Resistance

Sample Description: See photo

Test Method: ASTM C241/C241M-21

Test Condition:

Specimen: 50 mm×50 mm×30.73 mm

Condition: Dry in an oven at 60°C for 48 h→ Cool them to room temperature in a desiccator →

Abrasion resistance test→ Immerse in distilled water at 22°C for 2 h

Load: 2000 g

Revolutions: 225

Testing surface: Polished face

Test Result:

Specimen No.	1	2	3
Abrasive hardness value, H _a	30.3	30.7	35.1
Mean abrasive hardness value, H _a	32		

Appendix information:

The above test methods were carried out by SGS-CSTC Standards Technical Services Co., Ltd.

Guangzhou Branch.

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



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