

GUANGDONG TIANAN INTEGRATED DECORATION TECHNOLOGY CO., LTD.
 F3, BUILDING T11, ZHIHUIXINCHENG, JIHUA NO.1 ROAD, CHANCHENG DISTRICT, FOSHAN CITY,
 GUANGDONG PROVINCE.

Sample Description : DIATOM TECHNOLOGY BOARD
 Item No. : 9MM*600MM*2800MM

As above test item and its relevant information regarding to the submission are provided and confirmed by the applicant. SGS is not liable to either the test item or its relevant information, in terms of the accuracy, suitability, reliability or/and integrity accordingly.

Sample Receiving Date : Mar 22, 2024
 Test Performing Date : Mar 22, 2024 to Apr 01, 2024
 Test Performed : Selected test(s) as requested by applicant

Test Result Summary

No.	Test item	Test(s) Requested	Result(s)	Comments
Part 1	1	Moisture content	GB/T 24137-2009 Table 4 & Clause 6.3.2	Pass /
	2	Dimensional stability	GB/T 24137-2009 Table 4 & Clause 6.3.4	Pass /
	3	Water absorption thickness expansion rate	GB/T 24137-2009 Table 4 & Clause 6.3.7	Pass /
Part 2	1	Shore Hardness	GB/T 24137-2009 Section 6.3.6 & GB/T 2411-2008	Pass /

For further details, please refer to the following page(s)

Signed for and on behalf of
 SGS-CSTC Standards Technical Services Co., Ltd. Shunde Branch

Peter Zhao
 Authorized Signatory

Scan to see the report



SDHL2405008975HI-1
 Verification:
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Test Information:

Part 1:

Sample Description: See photo

1. Test item: Moisture content

Test method: GB/T 24137-2009 Table 4 & Clause 6.3.2

Test condition:

Sample size: 100mm×100mm

Samples under the condition of (103±2) °C drying to constant weight

Test result(s):

Moisture content (%)	Requirement in GB/T 24137-2009 Table 4	Conclusion
0.3	≤2.0 %	Pass

2. Test item: Dimensional stability

Test method: GB/T 24137-2009 Table 4 & Clause 6.3.4

Test condition:

Drying conditions: (70±2) °C, 24h;

High humidity conditions: (40±2) °C, (90~95) %RH, 96h

Test result(s):

Dimensional Change		Requirement in GB/T 24137-2009 Table 4	Conclusion
Size variation (MD)	0.20 %	≤1.5%	Pass
Size variation (TD)	0.05 %		Pass

Note: MD- Manufacturing direction

TD- Perpendicular to the manufacturing direction



SGS-CTC (China) Technical Services Co., Ltd.
Shunde Branch

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3. Test item: Water absorption thickness expansion rate

Test method: GB/T 24137-2009 Table 4 & Clause 6.3.7

Test condition:

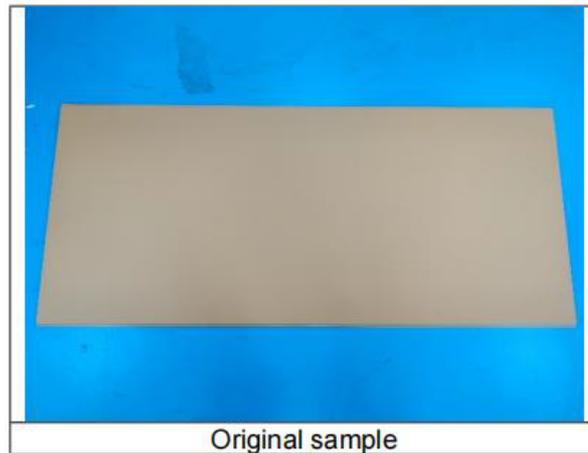
Sample size: 50mm×100mm×9mm

Soak the sample in water at PH=7±1, (20 ± 1) °C for 72h

Test result(s):

Water absorption thickness expansion rate (%)	Requirement in GB/T 4897-2015 Table 4	Conclusion
0.2	≤0.5%	Pass

Photo Appendix:



Original sample

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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Part 2 (SGS Ref. No.: GZMR240501376001)

Test Item: Shore Hardness

Sample Description: Plastic part

Test Method: GB/T 24137-2009 Section 6.3.6 & GB/T 2411-2008

Test Condition:

Specimen thickness: 9.06mm

Lab Environmental Condition: (23±2)°C, (50±5)%RH

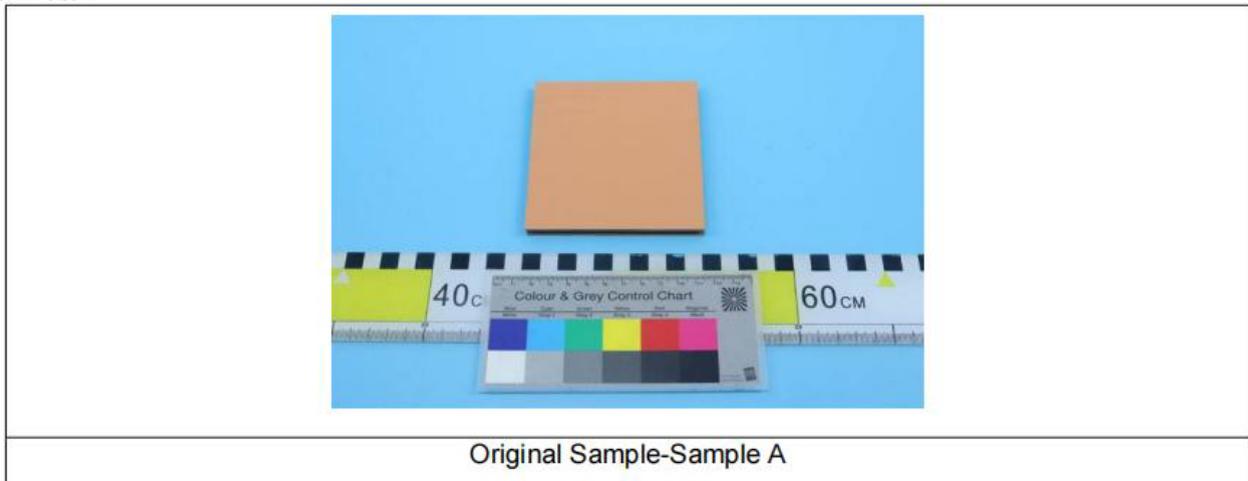
Test Result:

Test Item	Test Result	Requirement in GB/T 24137-2009 Table 4	Conclusion
Shore Hardness	D/15:67	≥55	Pass

Note:

1. D/15:X Indicates that D is the type of durometer; 15 s is the reading time; X is the hardness value.
2. The orange surface was tested.

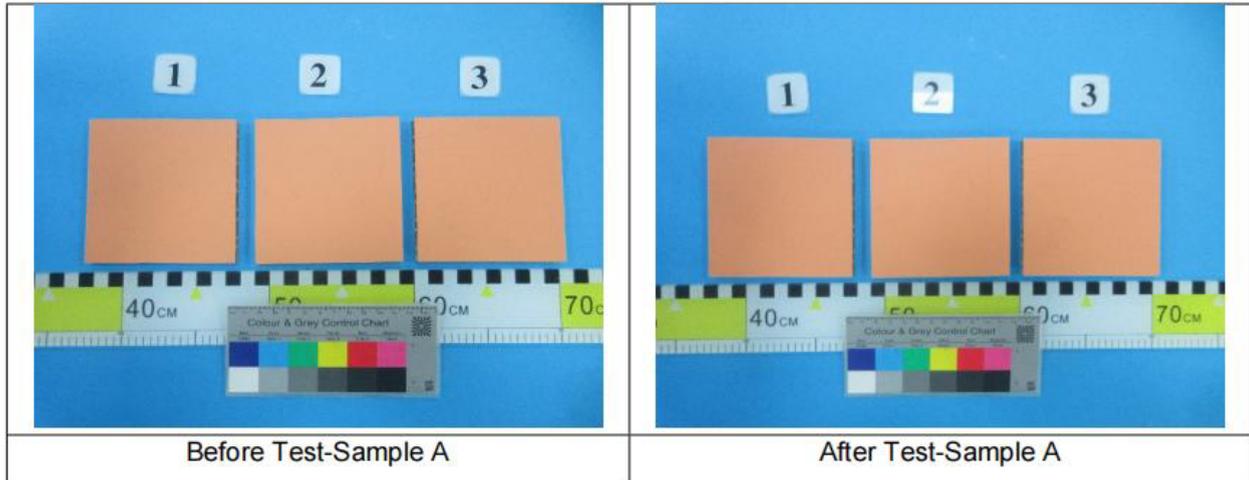
Test Photo:



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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Multifunction Hardness Tester	Digitest II	GZMR-PL-E156	2023-05-05	2024-05-04

Remark:

1. Part 2 test was subcontracted to SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch.
2. The report is the English version of Chinese test report SDHL2403004306HI. The Chinese version shall prevail in case of discrepancy between the Chinese version and English version.
3. This test report is to supersede No. SDHL2405008975HI test report which was issued on May 21, 2024. And the original test reports (paper and electronic) are invalid.

*** End of Report ***



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