

## TEST REPORT

No. : GZMR240300539301

Date : Mar 13, 2024

Page: 1 of 5



CUSTOMER NAME: Shandong Kang Jie Li International Trade Co.,Ltd  
ADDRESS: No.116 Xipu Road, Huangtun Subdistrict Office,High-Tech Zone,  
Jining, Shandong,China

Sample Name : Artificial Quartz Stone  
Manufacturer : KangJieli (Shandong) New Material Technology 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. : XMIN2403000313CM01  
Date of Receipt : Mar 05, 2024  
Testing Start Date : Mar 05, 2024  
Testing End Date : Mar 13, 2024  
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. Guangzhou Branch



Cathy Peng  
Authorized signatory



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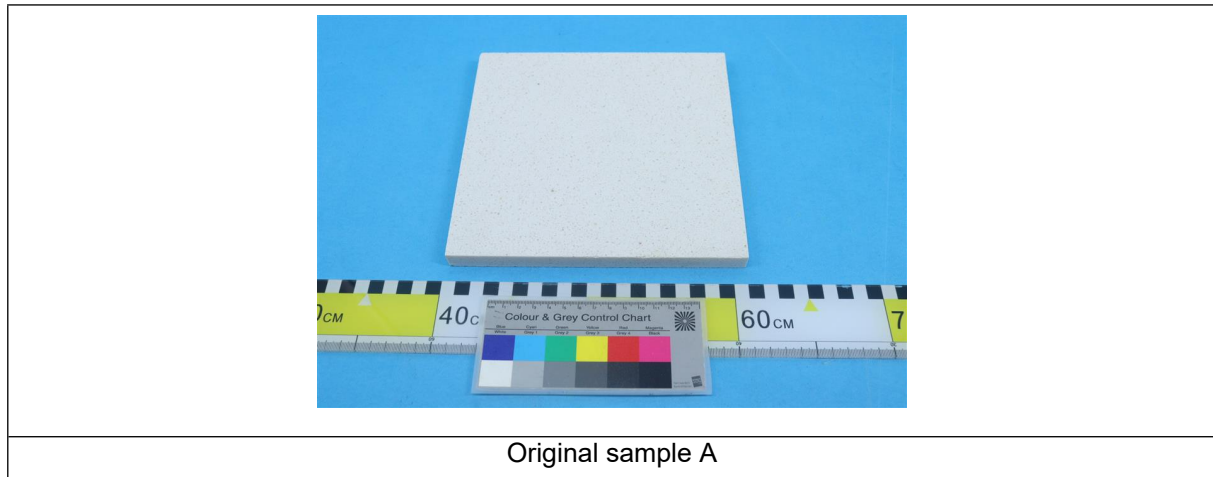
Page: 2 of 5

## Summary of Results:

| No. | Test Item            | Test Method                    | Result     | Conclusion |
|-----|----------------------|--------------------------------|------------|------------|
| 1   | Composition Analysis | FTIR, PGC-MS, EDX, TGA and XRD | See result | /          |

Note: Pass : Meet the requirements;  
 Fail : Does not meet the requirements;  
 / : Not Apply to the judgment.

## Original Sample Photo:



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Test Item: Composition Analysis

Sample Description: Artificial Quartz Stone

Test Method:

- Fourier Transform Infrared Spectrometer (FTIR)
- Pyrolysis-Gas Chromatography Mass Spectrometry (PGC-MS)
- Energy dispersive X-ray fluorescence spectrometer (EDX)
- Thermogravimetric Analyzer (TGA)
- X-ray Powder Diffractometer (XRD)

Test Result:

| No. | Composition                 | Content, Wt% |
|-----|-----------------------------|--------------|
| 1   | Unsaturated Polyester (UP)  | 8            |
| 2   | Quartz (Crystalline silica) | 92           |

Note:

1. Wt%- weight percent.
2. Quantitative data is for reference only.



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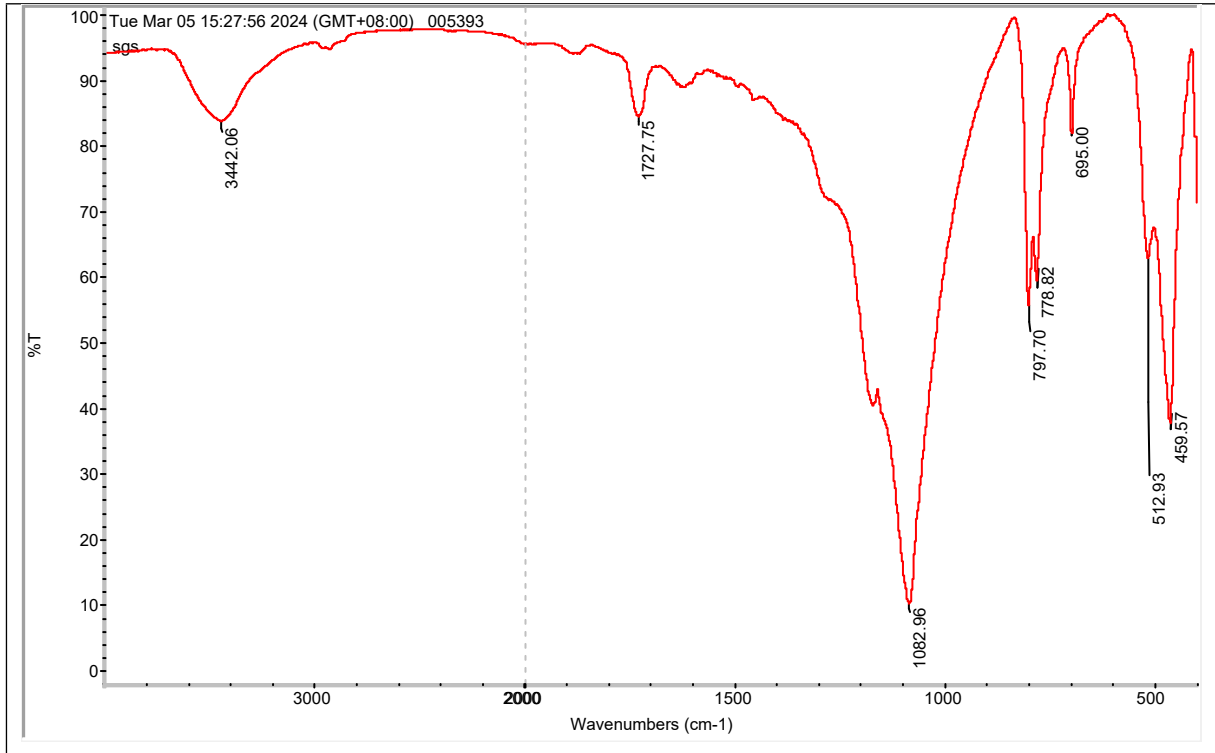
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Fig.1: FTIR spectrum of original sample



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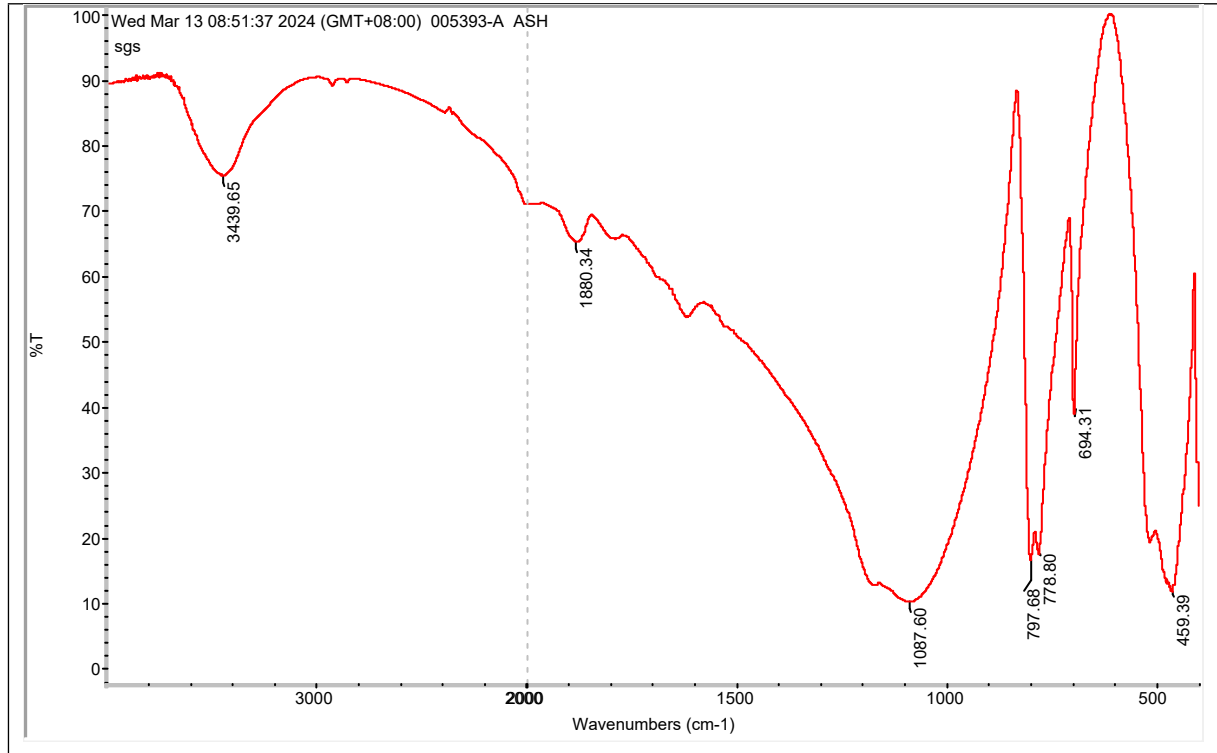
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Fig.2: FTIR spectrum of calcination residue



Equipment Information:

| Equipment | Model                | Equipment No. | Calibration date | Next Calibration date |
|-----------|----------------------|---------------|------------------|-----------------------|
| FTIR      | Nicolet iS50         | GZMR-PL-E329  | 2023-12-27       | 2024-12-26            |
| PGC-MS    | Shimadzu GCMS-QP2010 | Chem-019-P    | 2023-02-10       | 2025-02-09            |
| EDX       | ARL QUANT'X          | GZMR-PL-E306  | 2023-12-27       | 2024-12-26            |
| TGA       | Discovery TGA        | GZMR-PL-E194  | 2023-12-14       | 2025-12-13            |
| XRD       | Ultima 4             | CHEM-105-B    | 2022-12-07       | 2024-12-06            |

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



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