Test Report

XIAMEN SUPERIOR STONE CO.,LTD.
RM 502, NO.500, XINAO RD,JINHAI ST, XIANGAN DISTRICT, XIAMEN,China

Sample Description : Dolomite Stone

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.

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SGS Ref No. : XMIN2305000331CM02_EN
Sample Receiving Date : May 29, 2023
Test Performing Date : May 29, 2023 to Jun 09, 2023
Test Performed : Selected test(s) as requested by applicant
Test Result(s) : For further details, please refer to the following page(s)

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

scan to see the report
XMHL2306003346SD

Terry Hong
Authorized Signatory

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Summary of Results:

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

Test Item: Composition Analysis

Sample Description: Artificial 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)	12
2	Calcium magnesium carbonate	48
3	Quartz	40

Note:

1. Wt%- weight percent.
2. Quartz stands for crystalized silicon dioxide.
3. Quantitative data is for reference only.

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Fig.1: FTIR spectrum of original sample

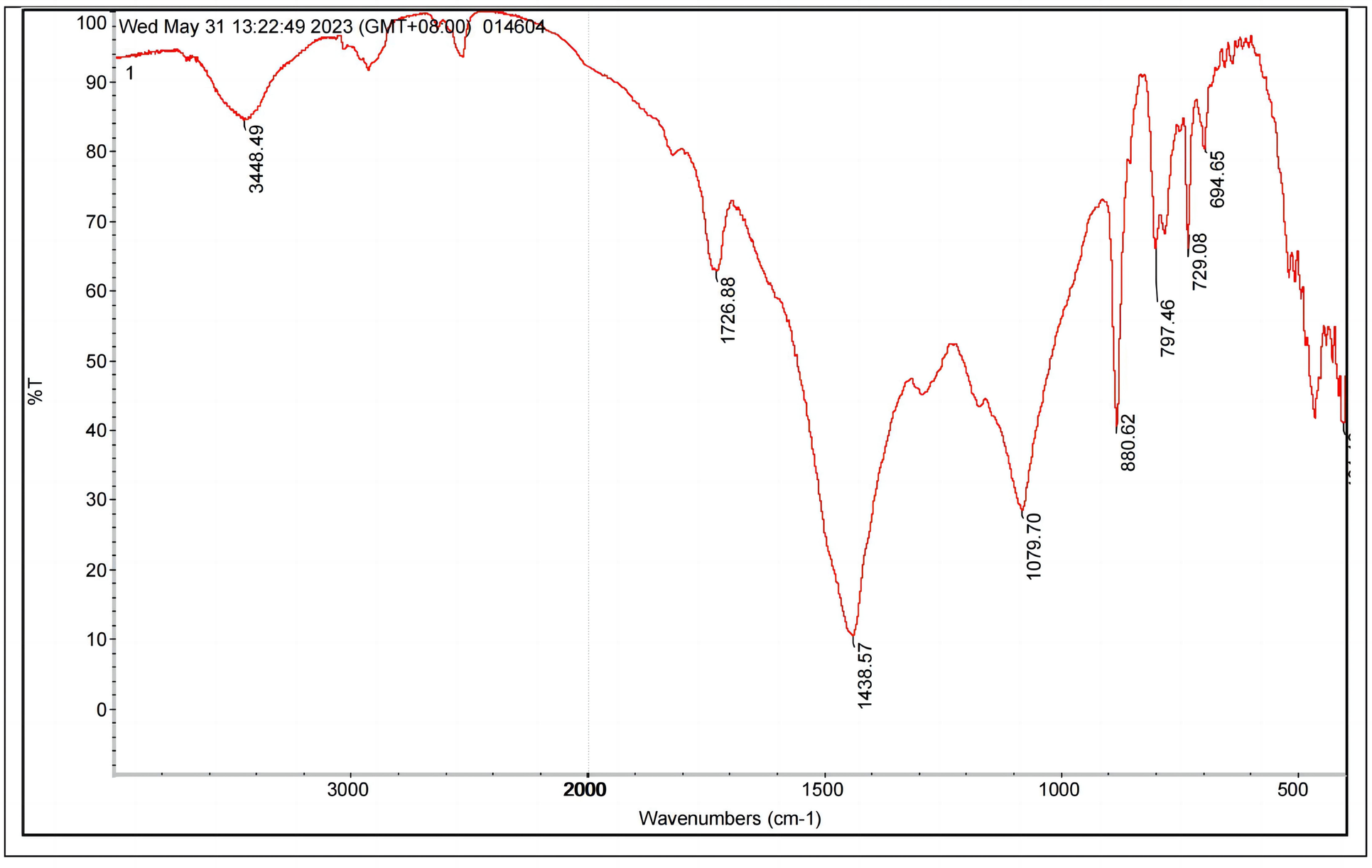

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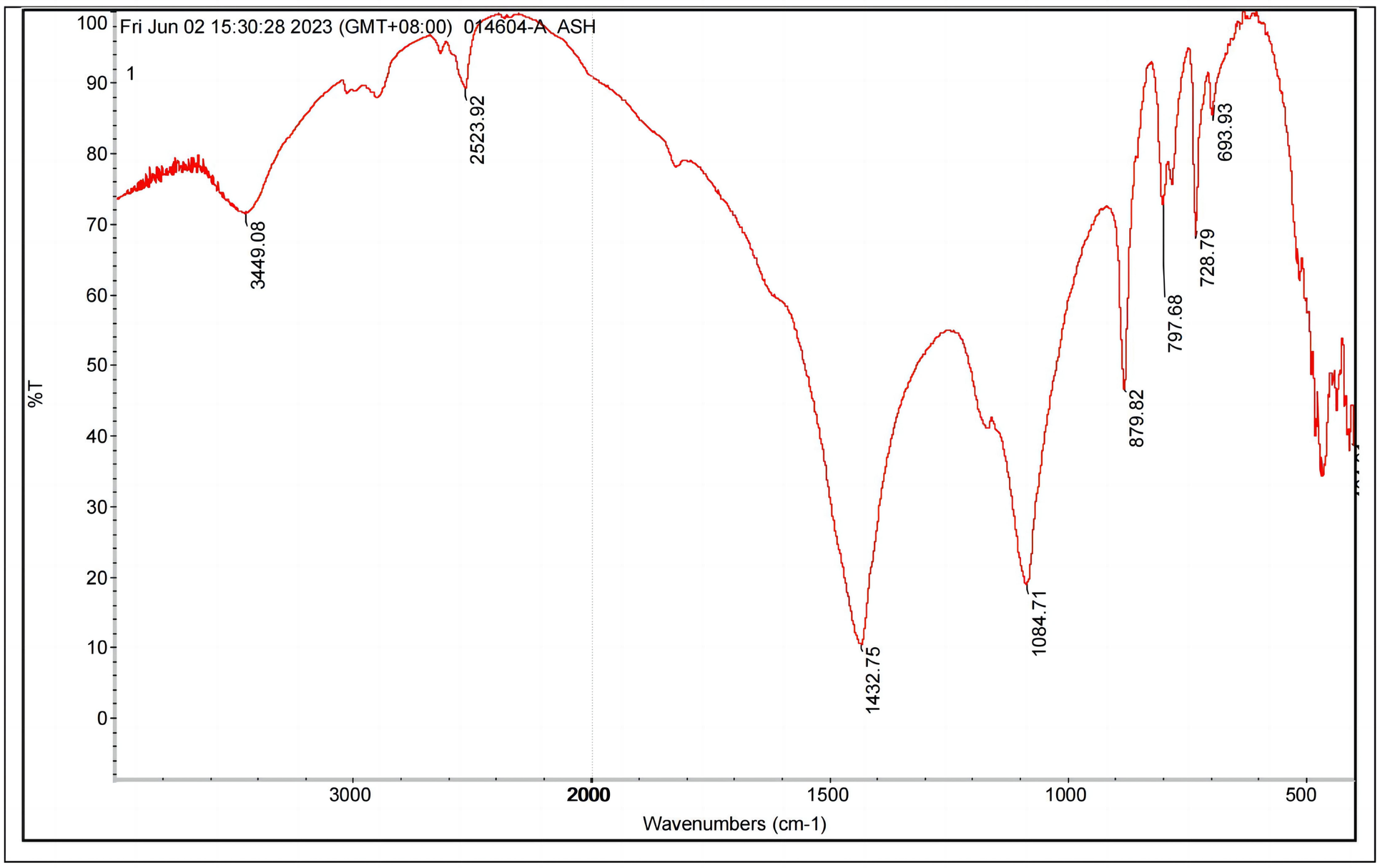
Fig.2: FTIR spectrum of calcination residue



Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
FTIR	Nicolet iS50	GZMR-PL-E329	2023-01-18	2024-01-17
PGC-MS	Shimadzu GCMS-QP2010	Chem-019-P	2023-02-10	2025-02-09
EDX	ARL QUANT'X	GZMR-PL-E306	2023-01-18	2024-01-17
TGA	Discovery TGA	GZMR-PL-E194	2021-12-13	2023-12-12
XRD	Ultima 4	CHEM-105-B	2022-12-07	2024-12-06

Note: The above test project/method was carried out by subcontractors.

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

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