

LINYI ZHENGHE MACHINERY TECHNOLOGY CO.,LTD

TEST REPORT

SCOPE OF WORK

Magnesium oxide board

REPORT NUMBER

260420008SHF-001

TEST DATE(S)

2026-04-20 - 2026-05-26

ORIGINAL ISSUE DATE

2026-05-26

PAGES

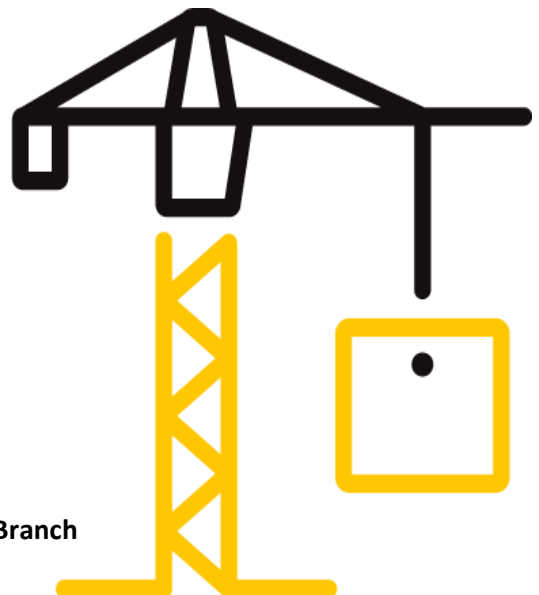
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DOCUMENT CONTROL NUMBER

LFT-APAC-SHF-OP-10k(January 13, 2025)

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Intertek Testing Services Shenzhen Ltd. Shanghai Fengxian Branch



Test Report

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Test Report

Original Issue Date: 2026-05-26 Intertek Report No. 260420008SHF-001
Applicant: LINYI ZHENGHE MACHINERY TECHNOLOGY CO., LTD
Address: junction of Yi he er road and Mengshan er road, Yi he new district, Linyi City, Shandong province
Attn: Rosa
Manufacturer: LINYI ZHENGHE MACHINERY TECHNOLOGY CO., LTD
Address: Beiguan Industrial Park, Jiaobei Office, Jiaozhou City, Qingdao City, Shandong Province
Test Type: Performance test, samples provided by the applicant.

Product Information

Product Name	Model	Specification
Magnesium oxide board	Magnesium oxide board	12mm x 1200 x 2400
Sample ID	Sample Amount	Sample Received Date
S260420008SHF.001	7 pcs	2026-04-15
Sample Description		Brand
Thickness: 12mm		Sulfrack

Test Methods And Standards

Test Standard	With reference to ISO 16000-3:2022; ISO 16000-6:2021; ISO 16000-9:2024; ISO 16000-11:2024
Specification Standard	/
Test Conclusion	The samples were tested according to the above standards, and the results are shown in the following page.

Note:

1. This report does not involve sampling. The report only reflects conformity of the tested items of the samples provided by the testing applicant. Representativeness and authenticity of the submitted samples are responsibilities of the testing applicant.

Report Authorized


Name: Flora Fan Name: Tinasy Zheng
Title: Reviewer Title: Project Engineer

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Test Items, Method and Results :

Test Item: Volatile organic compounds content analysis

Test Method: With reference to ISO 16000-3:2022; ISO 16000-6:2021; ISO 16000-9:2024; ISO 16000-11:2024

Test procedure:

The sample was tested in the emission test chamber. After 7 days, chamber air samples were collected. Samples analyzed for individual VOCs and TVOC were collected on sorbent tubes Tenax TA, and were detected by Automatic Thermal Desorption-Gas Chromatography/Mass Spectrometric (ATD-GC/MS). Samples analyzed for aldehydes were collected on DNPH cartridge, and were detected by High Performance Liquid Chromatography-Diode-Array Detector (HPLC/DAD).

Test condition:

Test chamber: 0.225 m³

Exposed sample surface area: 0.225 m²

Loading factor: 1.0 m²/m³

Supply air temper: 23°C±1°C

Supply air humidity: 50%±5% R.H.

Air exchange rate: 1.0 h⁻¹

Area specific flow rate: 1.0 m/h

Sampling: Tenax TA & DNPH cartridge

Table 1 7 Days Chamber concentration and Emission Factor of all Target VOCs and TVOC

No.	Compound Name	CAS Number	Chamber Concentration (µg/m ³)	Emission Factor (µg/m ² ·h)
1	Acetaldehyde [#]	75-07-0	3.8	3.8
2	Benzene	71-43-2	ND	< 2.0
3	Carbon disulfide	75-15-0	ND	< 2.0
4	Carbon tetrachloride	56-23-5	ND	< 2.0
5	Chlorobenzene	108-90-7	ND	< 2.0
6	Chloroform	67-66-3	ND	< 2.0
7	Dichlorobenzene (1,4-)	106-46-7	ND	< 2.0
8	Dichloroethylene (1,1)	75-35-4	ND	< 2.0
9	Dimethylformamide (N,N-)	68-12-2	ND	< 2.0
10	Dioxane (1,4-)	123-91-1	ND	< 2.0
11	Epichlorohydrin	106-89-8	ND	< 2.0
12	Ethylbenzene	100-41-4	ND	< 2.0
13	Ethylene glycol	107-21-1	ND	< 2.0

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14	Ethylene glycol monoethyl ether	110-80-5	ND	< 2.0
15	Ethylene glycol monoethyl ether acetate	111-15-9	ND	< 2.0
16	Ethylene glycol monomethyl ether	109-86-4	ND	< 2.0
17	Ethylene glycol monomethyl ether acetate	110-49-6	ND	< 2.0
18	Formaldehyde [#]	50-00-0	ND	< 2.0
19	Hexane (n-)	110-54-3	ND	< 2.0
20	Isophorone	78-59-1	ND	< 2.0
21	Isopropanol	67-63-0	ND	< 2.0
22	Methyl chloroform	71-55-6	ND	< 2.0
23	Methylene chloride	75-09-2	ND	< 2.0
24	Methyl t-butyl ether	1634-04-4	ND	< 2.0
25	Naphthalene	91-20-3	ND	< 2.0
26	Phenol	108-95-2	ND	< 2.0
27	Propylene glycol monomethyl ether	107-98-2	ND	< 2.0
28	Styrene	100-42-5	ND	< 2.0
29	Tetrachloroethylene	127-18-4	ND	< 2.0
30	Toluene	108-88-3	ND	< 2.0
31	Trichloroethylene	79-01-6	ND	< 2.0
32	Vinyl acetate	108-05-4	ND	< 2.0
33~35	Xylenes, technical mixture (m-, o-, p-xylene combined)	108-38-3 95-47-6 106-42-3	ND	< 2.0
36	1,2,4-trimethylbenzene	95-63-6	ND	< 2.0
37	Ethanol, 2-butoxy	111-76-2	ND	< 2.0
38	TVOC	/	ND	< 10.0

Remark:

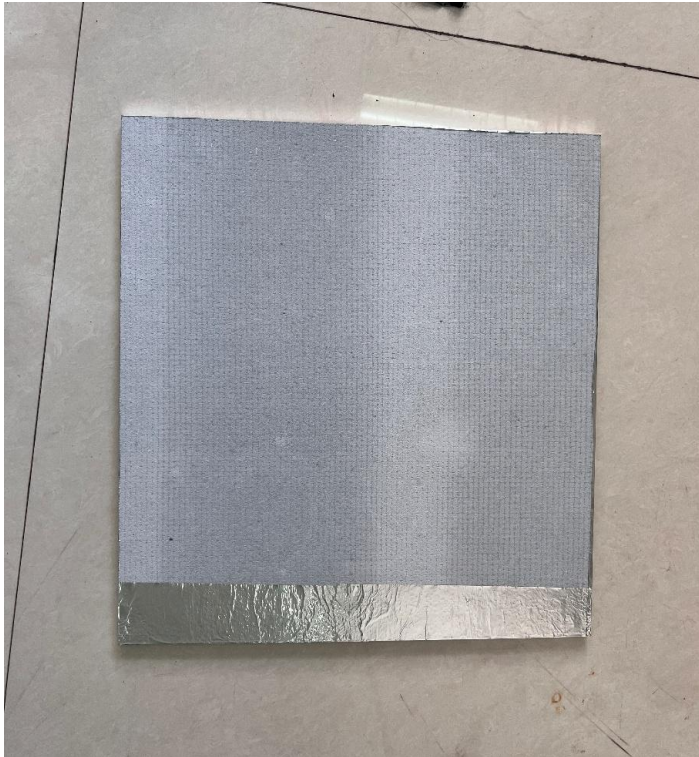
- # = indicates compound identified and quantified by DNPH derivitization and HPLC/DAD analysis.
- Detection limit of individual compound = 2.0 µg/m³
- Detection limit of TVOC = 10.0 µg/m³
- ND = Not detected (less than the detection limit)
- TVOC means sum of the concentrations of all identified and unidentified VOCs elute between and including n-pentane through n-heptadecane (i.e., C₆-C₁₆) as measured by the GC/MS TIC method and expressed as a toluene equivalent value.
- Test location: Central Chemical Lab of Intertek Testing Services Ltd., Wuxi
Address: No. 8, Fubei Road, Xishan Economic Development Zone, Wuxi, China

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Test Photo:

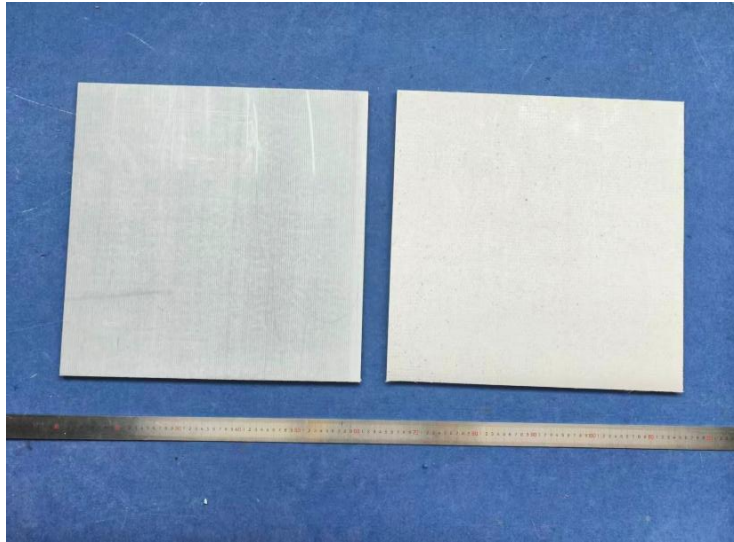


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Appendix A: Sample Received Photo



SAH FENGXIAN BP.

Revision:

NO.	Date	Changes
260420008SHF-001	2026-05-26	First issue