

TEST REPORT

No. : CZIN2503000061CM01_EN

Date : 2025-04-07

Page: 1 of 4



CUSTOMER NAME: GUANGZHOU SEASON DECORATION MATERIALS CO.,LTD.
ADDRESS: NO.57-9,JINGHU AVENUE,XINYA STREET,HUADU
DISTRICT,GUANGZHOU CITY,CHINA

Sample Name : PERFORATED ALUMINUM CEILING PANEL
Product Specification : 610*610mm
Material : Aluminum

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. : NJIN2503000350PL01
Date of Receipt : 2025-03-24
Testing Period : 2025-03-24 ~ 2025-04-07
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 (Changzhou) Co., Ltd..

Jack Zhang

Jack Zhang
Authorized signatory



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.3, Hehai East Road, Tianning District, Changzhou, China 213021
中国·常州·天宁区河海东路3号 邮编: 213021

t (86-519) 8876 9607 www.sgsgroup.com.cn
t (86-519) 8876 9607 sgs.china@sgs.com

TEST REPORT

No. : CZIN2503000061CM01_EN

Date : 2025-04-07

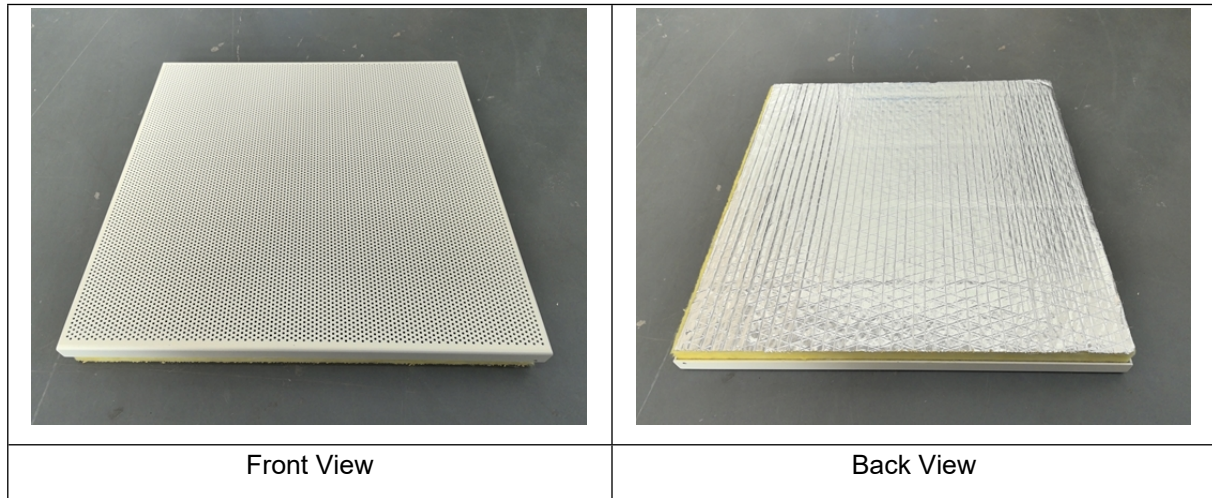
Page: 2 of 4

Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Sound Absorption Coefficient	ISO 354:2003	See Result	N/A

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

Original Sample Photo(s):



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

SGS-CSTC (Shanghai Commercial Technical Services Co., Ltd.)
Commercial Construction Technical Services (Changzhou) Co., Ltd.

No.3, Hehai East Road, Tianning District, Changzhou, China 213021
中国·常州·天宁区河海东路3号 邮编: 213021

t (86-519) 8876 9607 www.sgsgroup.com.cn
t (86-519) 8876 9607 sgs.china@sgs.com

TEST REPORT

No. : CZIN2503000061CM01_EN

Date : 2025-04-07

Page: 3 of 4

Test Item: Sound Absorption Coefficient

I. Test Method

ISO 354:2003 Acoustics - Measurement of sound absorption in a reverberation room

II. Sample Details

Dimensions	610mm × 610mm × 53mm
Surface Density	About 9.81kg/m ²
Product construction (Provide by Client)	Perforated Aluminum ceiling panel (thickness: 3mm, 3mm diameter holes with a square pitch spaced at 6mm c/c spacing with 22% total open area) + Acoustic Tissues + glass wool (thickness: 50mm, volume density: 40kg/m ³ , single-sided with aluminum foil)

III. Test Condition

Ambient Temperature	15.5℃	Ambient Humidity	39.8%RH
Volume Reverberation Room	260m ³	Test Area	11.16m ² (3.66m×3.05m)
Description of Test Arrangement	The installation of samples refers to type E mounting. The sample is installed in the reverberation room, use baffle to enclosure, 200mm back cavity.		

IV. Test Result

Average Absorption Coefficient $\bar{\alpha}_s$ (100Hz~5000Hz): 0.84

Noise Reduction Coefficient: NRC=0.90

Note: NRC is the arithmetic average of absorption coefficient contained four octave frequency bands (250, 500, 1000, 2000 Hz).



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.3, Hehai East Road, Tianning District, Changzhou, China 213021
中国·常州·天宁区河海东路3号 邮编: 213021

t (86-519) 8876 9607 www.sgsgroup.com.cn
t (86-519) 8876 9607 sgs.china@sgs.com

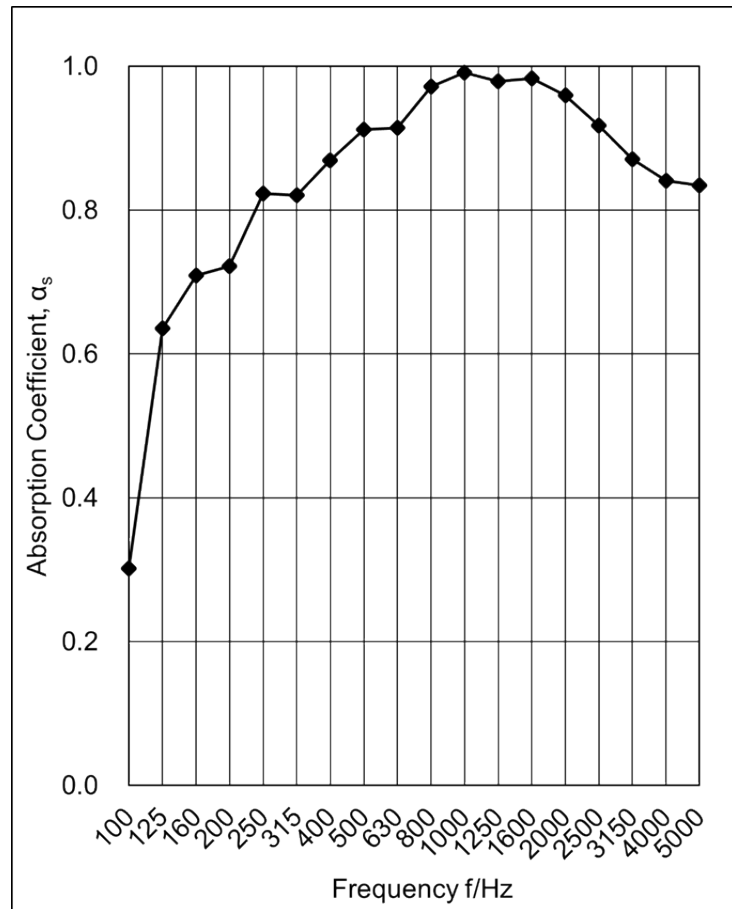
TEST REPORT

No. : CZIN2503000061CM01_EN

Date : 2025-04-07

Page: 4 of 4

Frequency Hz	Absorption Coefficient, α_s
100	0.30
125	0.64
160	0.71
200	0.72
250	0.82
315	0.82
400	0.87
500	0.91
630	0.92
800	0.97
1000	0.99
1250	0.98
1600	0.98
2000	0.96
2500	0.92
3150	0.87
4000	0.84
5000	0.84
$\bar{\alpha}_s$	0.84
NRC	0.90



The test report shall only be used for clients' scientific research, teaching, internal quality control, product research and development, etc... and just for internal reference.

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



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <https://www.sgs.com/en/Terms-and-Conditions>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.3, Hehai East Road, Tianning District, Changzhou, China 213021
中国·常州·天宁区河海东路3号 邮编: 213021

t (86-519) 8876 9607 www.sgs.com.cn
t (86-519) 8876 9607 sgs.china@sgs.com