

TEST REPORT

No. : CZIN2405000090CM02_EN

Date : 2024-06-03

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Ter Huerne Gmbh U.Co. Kg

RAMSDORFER STR. 5 46354 SUDLOHN GERMANY

The test results are copied from report No.: CZIN2405000090CM01_EN dated: May.30, 2024 issued by SGS

Sample Name : WOODEN SLAT ACOUSTIC PANEL

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. : TJHL2405004294HI

Date of Receipt : 2024-05-20

Testing Period : 2024-05-20 ~ 2024-05-30

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..



Tiffany Liu
Authorized signatory



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SGS-CSTC Standards Technical Services (Changzhou) Co., Ltd.
Commercial Consulting & Testing Services

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

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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Sound Absorption Coefficient	EN 15102:2007+A1:2011 & EN 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):

	
Front View	Back View





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Test Item: Sound Absorption Coefficient

I. Test Method

EN 15102:2007+A1:2011 Decorative wall coverings - Roll and panel form, Clause 4.4 - Sound Absorption

EN ISO 354:2003 Acoustics – Measurement of Sound Absorption in a Reverberation Room

II. Sample Details

Dimensions	3000mm × 520mm × 21.5mm
Surface Density	About 7.81 kg/m ²

III. Test Condition

Ambient Temperature	22.3°C	Ambient Humidity	75.7%RH
Volume Reverberation Room	260m ³	Test Area	10.92m ² (3.64m×3.00m)
Description of Test Arrangement	The installation of specimen refers to type A mounting. After splicing, the sample is placed directly in the reverberation room, covered with caulking compound around the perimeter edges.		



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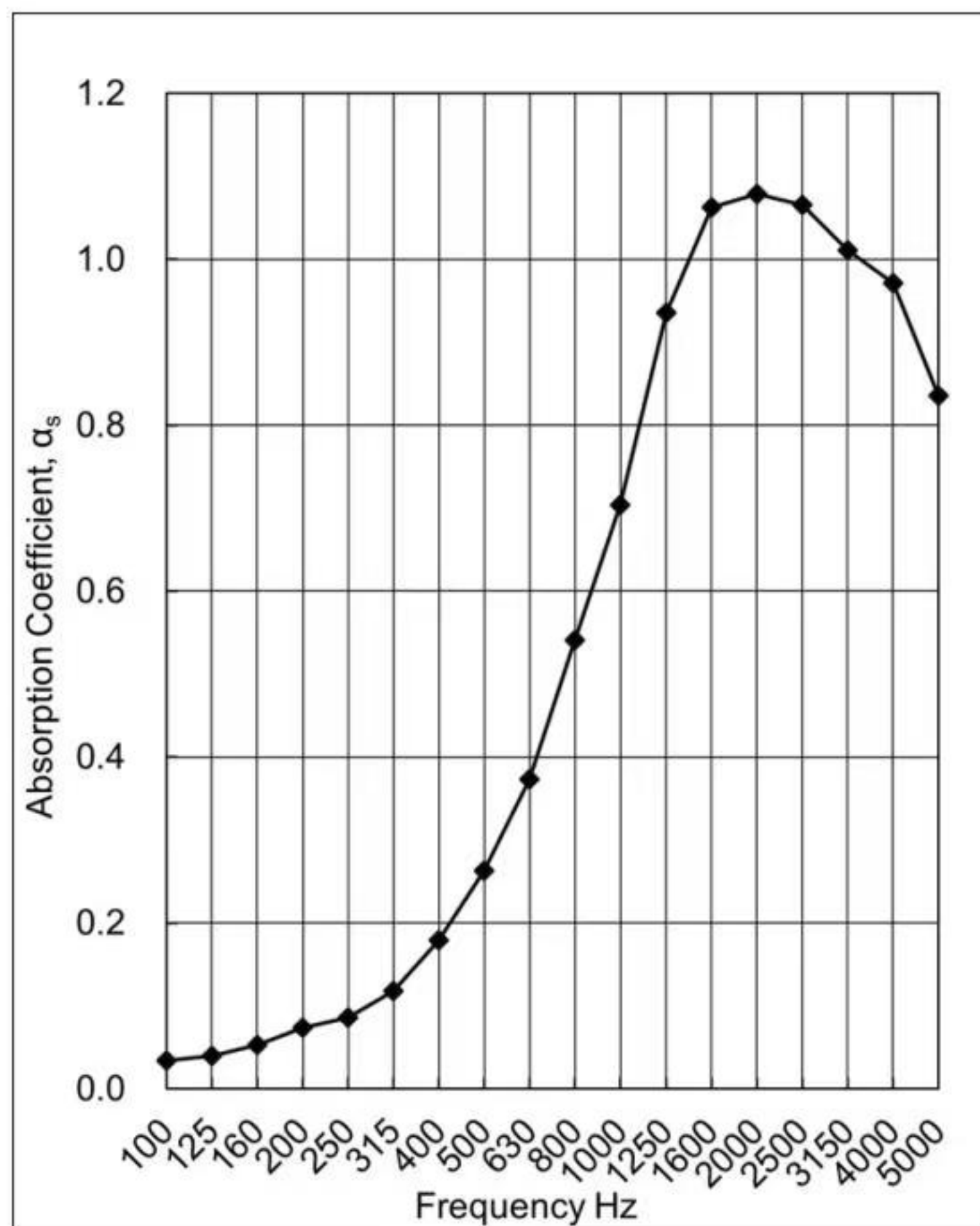
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IV. Test Result

Frequency Hz	Absorption Coefficient, α_s
100	0.03
125	0.04
160	0.05
200	0.07
250	0.09
315	0.12
400	0.18
500	0.26
630	0.37
800	0.54
1000	0.70
1250	0.94
1600	1.06
2000	1.08
2500	1.07
3150	1.01
4000	0.97
5000	0.84
$\bar{\alpha}_s$	0.52
NRC	0.55



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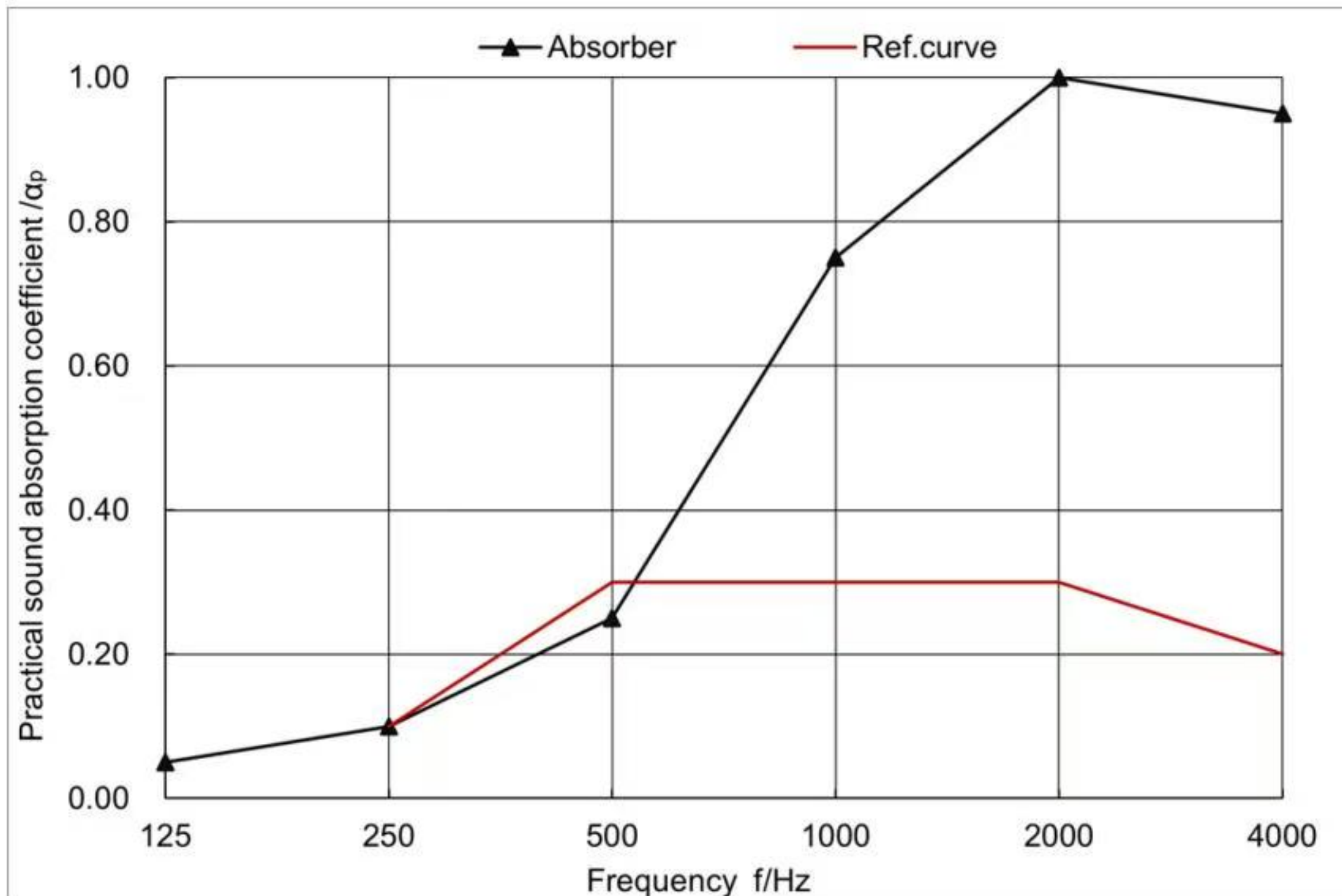
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Frequency Hz	Reference Curve	Practical Sound Absorption Coefficient, α_p	Weighted Sound Absorption Coefficient, α_w	Sound Absorption Class
125	-	0.05	0.30(MH)	Class D
250	0.10	0.10		
500	0.30	0.25		
1000	0.30	0.75		
2000	0.30	1.00		
4000	0.20	0.95		



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V. Weighted Sound Absorption Coefficient

Calculated according to EN ISO 11654:1997:

Average Absorption Coefficient $\bar{\alpha}_s$ (100Hz~5000Hz): 0.52

Noise Reduction Coefficient: NRC=0.55

Weighted sound absorption coefficient: α_w =0.30(MH)

Sound absorption classes: Class D

Note:

1. According to EN ISO 11654:1997, Sound absorption classes is five:

Class A α_w =0.90;0.95;1.00Class B α_w =0.80;0.85Class C α_w =0.60;0.65;0.70;0.75Class D α_w =0.30;0.35;0.40;0.45;0.50;0.55Class E α_w =0.15;0.20;0.25Not classified α_w =0.00;0.05;0.10

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

3. Shape Indicators

Whenever a practical sound absorption coefficient exceeds the value of the shifted reference curve by 0.25 or more, one or more shape indicators shall be added, in parentheses, to the α_w value.

If the excess absorption occurs at 250Hz, use the notation L. If the excess absorption occurs at 500Hz or 1000Hz, use the notation M. If the excess absorption occurs at 2000Hz or 4000Hz, use the notation H.

4. It is strongly recommended to use this single-number rating in combination with the complete sound absorption coefficient curve that can be obtained on request.
5. This declaration of conformity is only based on the result of this laboratory activity, the impact of the uncertainty of the results was not included.



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VI. Test Photo(s):



In Test

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