

## TEST REPORT

No. : SHMR240300554104

Date : Jul 05, 2024

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CUSTOMER NAME: Jiang Su Wan Yuan New Materials Co., Ltd.  
ADDRESS: XingyeRoad,ShangdangTown,DantuDistrict,Zhenjiang,JIANGSU,China

Sample Name : Hydrophilic aluminum foil

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.

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SGS Ref. No. : SHP24-009067  
Date of Receipt : Mar 27, 2024  
Testing Start Date : Mar 27, 2024  
Testing End Date : Jul 05, 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 (Shanghai) Co., Ltd.

Crystal Wan  
Authorized signatory



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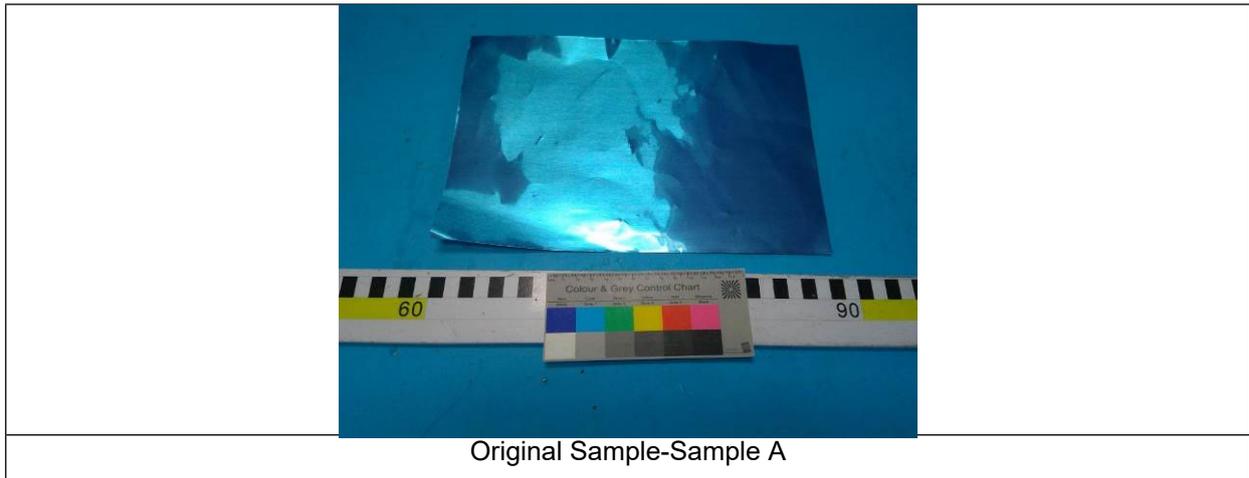
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Summary of Results:

No.	Test Item	Test Method	Result	Conclusion
1	Neutral Salt Spray Test	ASTM B117-19 & ASTM D1654-08(2016) <sup>ε1</sup>	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: Neutral Salt Spray Test

Sample Description: Blue metal foil

Test Method: ASTM B117-19 & ASTM D1654-08(2016) <sup>ε1</sup>

Test Condition:

Concentration of solution collected: (5±1)% NaCl(m/m)

Chamber temperature: (35±2)°C

Volume of salt solution collected: (1.0~2.0)ml/(80cm<sup>2</sup>·h)

pH of collected solution at (23±3)°C: 6.5~7.2

Exposure period: 2000h

Test Result:

Sample	Appearance	Blistering rating (See note 1)	Rust rating (See note 2)
1	No visual rust or blistering	10	10
2	No visual rust or blistering	10	10
3	No visual rust or blistering	10	10



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Note:

1. Blistering rating refers to ASTM D714-02(2017), including size and frequency: the size is divided into 10 levels where 10 is the best, 0 is the worst. The frequency is divided into 4 levels: Dense, D; Medium dense, MD; Medium, M; Few, F.
2. Rust grade refers to ASTM D610-08(2019), as follows:

Percent of surface rusted, A (%)	Rust grade
$A \leq 0.01$	10
$0.01 < A \leq 0.03$	9
$0.03 < A \leq 0.1$	8
$0.1 < A \leq 0.3$	7
$0.3 < A \leq 1.0$	6
$1.0 < A \leq 3.0$	5
$3.0 < A \leq 10.0$	4
$10.0 < A \leq 16.0$	3
$16.0 < A \leq 33.0$	2
$33.0 < A \leq 50.0$	1
$50 < A$	0

3. Rust rating using rust grade of 0-10 followed by the type of rust distribution identified by S for Spot, G for General, P for Pinpoint or H for Hybrid.
4. Intermediate inspection was carried out immediately without any treatment and the result is only for client's reference.
5. Test specimens were cut from the sample.



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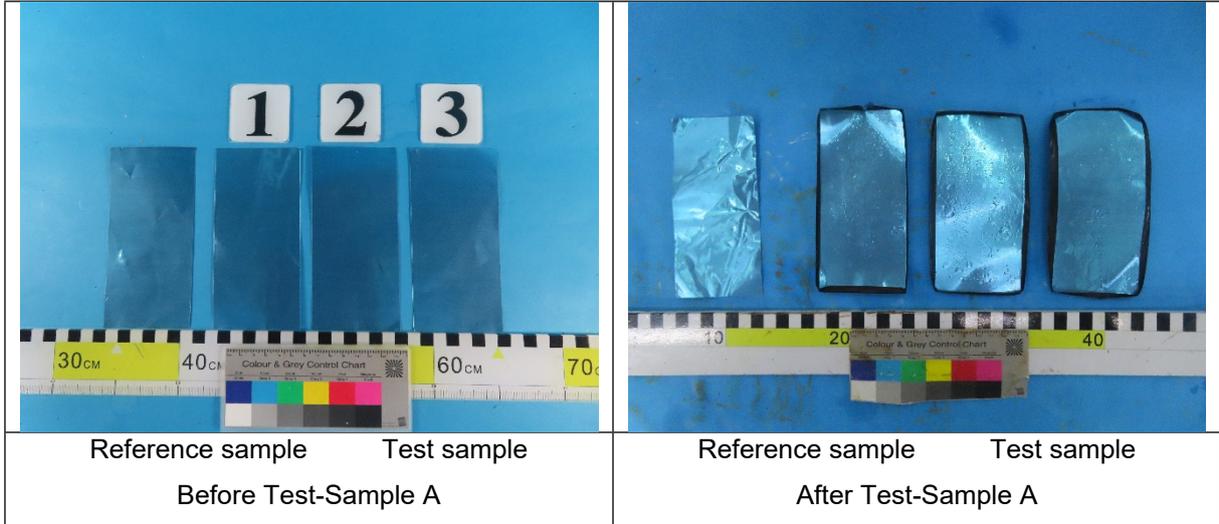
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Test Photo:



Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Q-Fog Cyclic Corrosion Tester	Q-FOG-CCT1100	P-416	2024-02-05	2025-02-04

Appendix information:

\*In the territory of the People's Republic of China, the test report without CMA logo expresses the test report shall only be used for client scientific research, teaching, internal quality control, product research and development, etc., and just for client internal reference.

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

