

## TEST REPORT

No. : GZMR220100041701

Date : May 19, 2022

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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. : 15840205  
Date of Receipt : Jan 06, 2022  
Testing Start Date : Jan 06, 2022  
Testing End Date : May 19, 2022  
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 Co., Ltd. Guangzhou Branch

Cathy Peng  
Authorized signatory



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## Summary of Results:

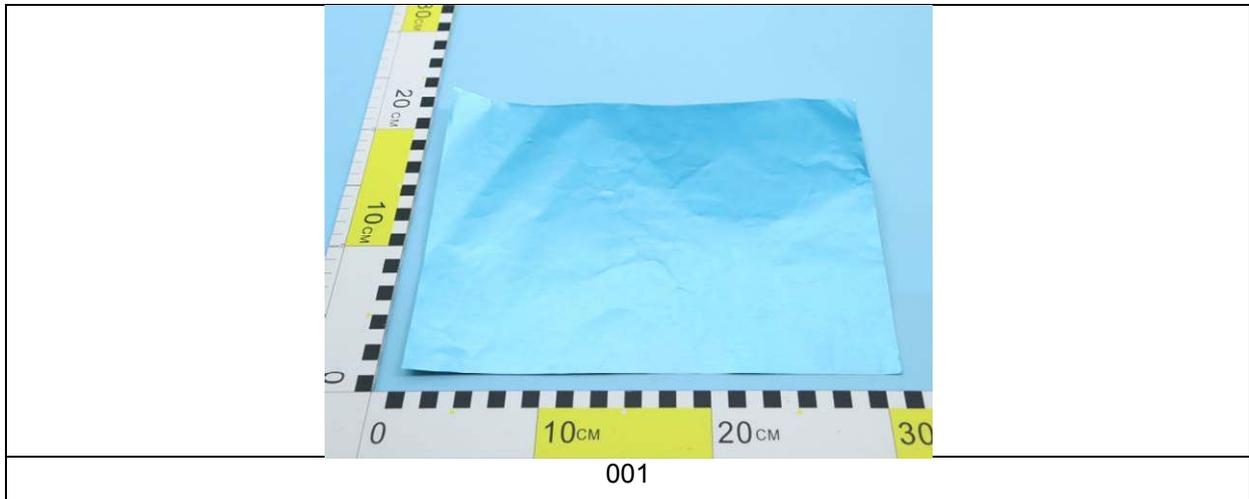
No.	Test Item	Test Method	Result	Conclusion
1	Neutral Salt Spray Test	ASTM B117-19 & ASTM D1654-08(2016) <sup>ε1</sup>	See result	/

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

## Test Sample Description:

Report Sample No.	Lab Sample No.	Description
A	001	sheet

## Original Sample Photo:



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Test Item: Neutral Salt Spray Test

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: 2500h

Test Result:

Sample	Exposure time	Appearance	Blistering rating	Rust rating
#1	452h	No visual rust or blistering	10	10
#2		No visual rust or blistering	10	10
#3		No visual rust or blistering	10	10
#1	1000h	No visual rust or blistering	10	10
#2		No visual rust or blistering	10	10
#3		No visual rust or blistering	10	10
#1	1500h	No visual rust or blistering	10	10
#2		No visual rust or blistering	10	10
#3		No visual rust or blistering	10	10
#1	2000h	No visual rust or blistering	10	10
#2		No visual rust or blistering	10	10
#3		No visual rust or blistering	10	10
#1	2500h	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. After 1000h exposure, the test sample was placed at room temperature for 32h. Then continue to test for 1500h. The total exposure period was 2500h. The test results are only for client's reference.



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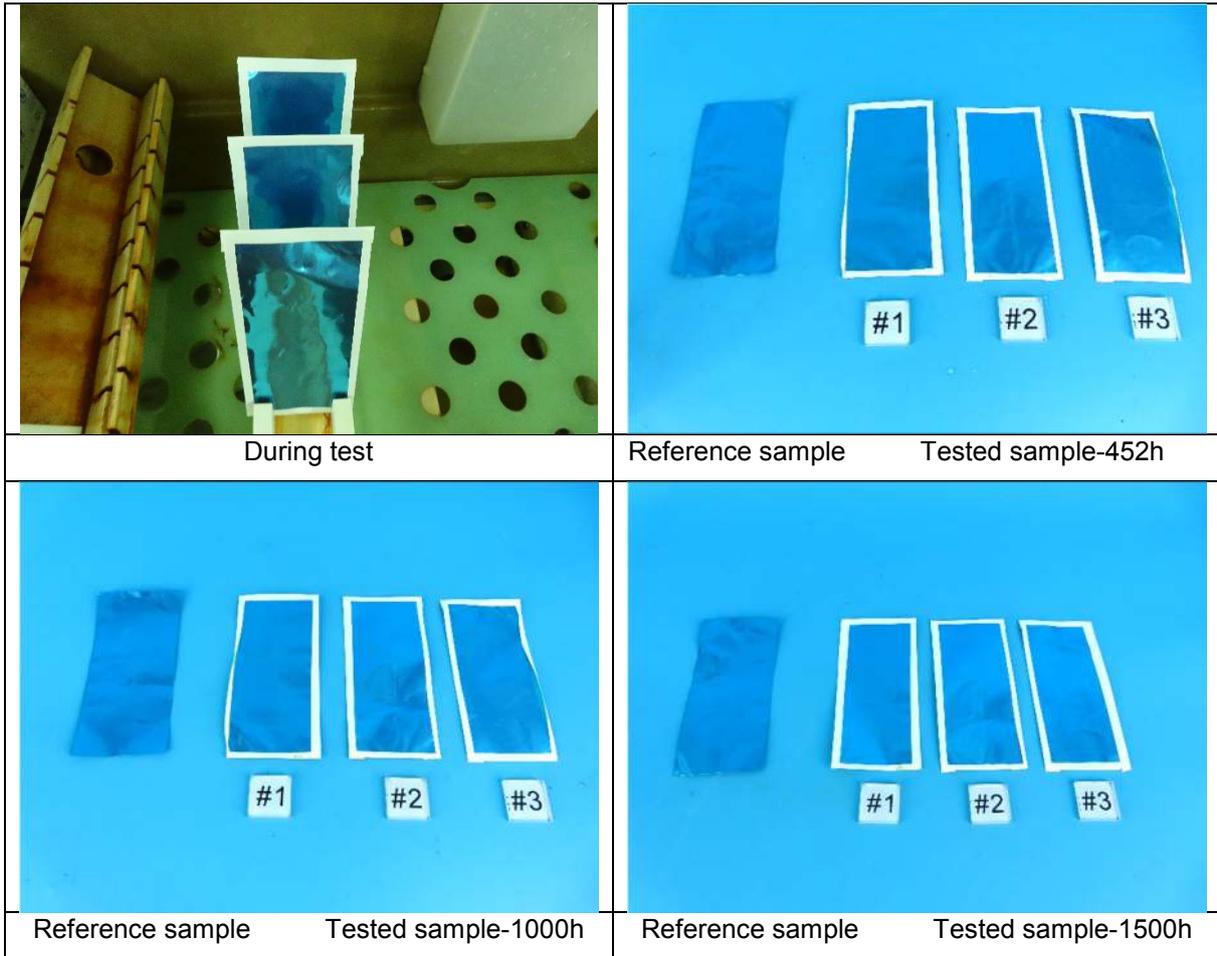
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Test Photo:



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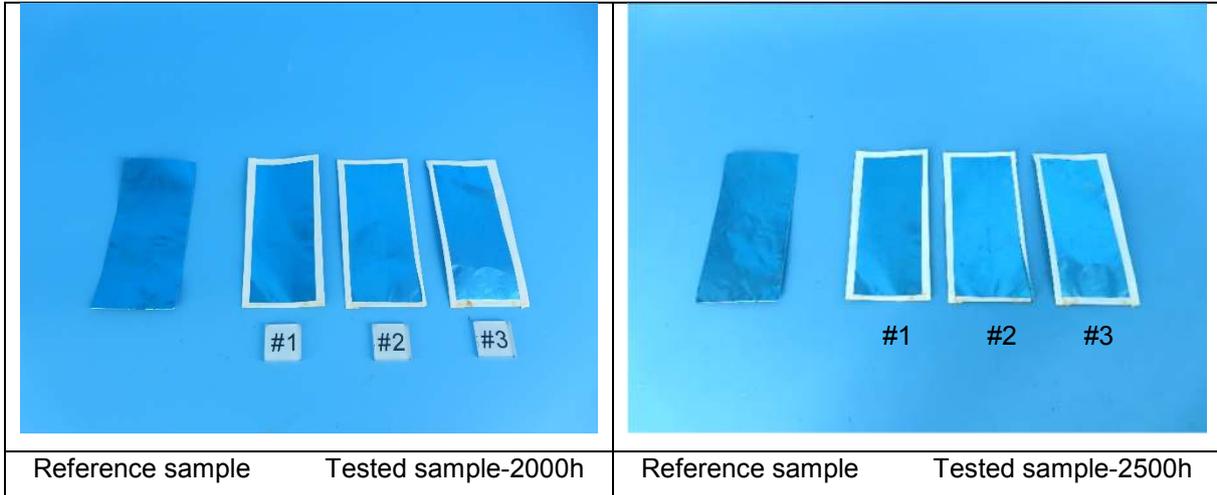
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Equipment Information:

Equipment	Model	Equipment No.	Calibration date	Next Calibration date
Cyclic Corrosion Tester	Q-FOG/CCT1100	GZMR-AG-E216	2021-06-29	2022-06-28

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



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