

Shenzhen 863 New Material and Technology Co., Ltd

Test Report

Report No.: SAC2018-03119-1E

Date: Jun.06, 2018

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Customer : Shenzhen PaiQi Nano-Tech Co.,Ltd.

Address : D708/D709/ D11/D712 /D706, Technology incubation park, Longhua new district, 1301 sightseeing road. Longhua new district, Shenzhen city.

Sample Information:

Sample Name : Electronic PCBA waterproof and moisture-proof nanometer coating

Sample Description : 8 pcs

Model/P.O. No. : L4

Item/Lot No. : /

Material : /

Buyer : /

Supplier : /

Manufacturer : /

Received Date : May.25, 2018

Test Period : May.25, 2018~Jun.01, 2018

Test Requested : According to the requirements of the customer, Acid and alkali resistance test.

Test Method:

Serial number	Test Item
1	Acid and alkali resistance test

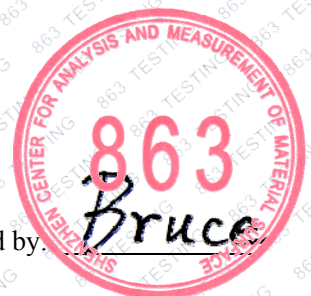
Note(s): /

Test Result(s): Please refer to the following page(s).

Edited by: 

Audited by: 

Approved by: 



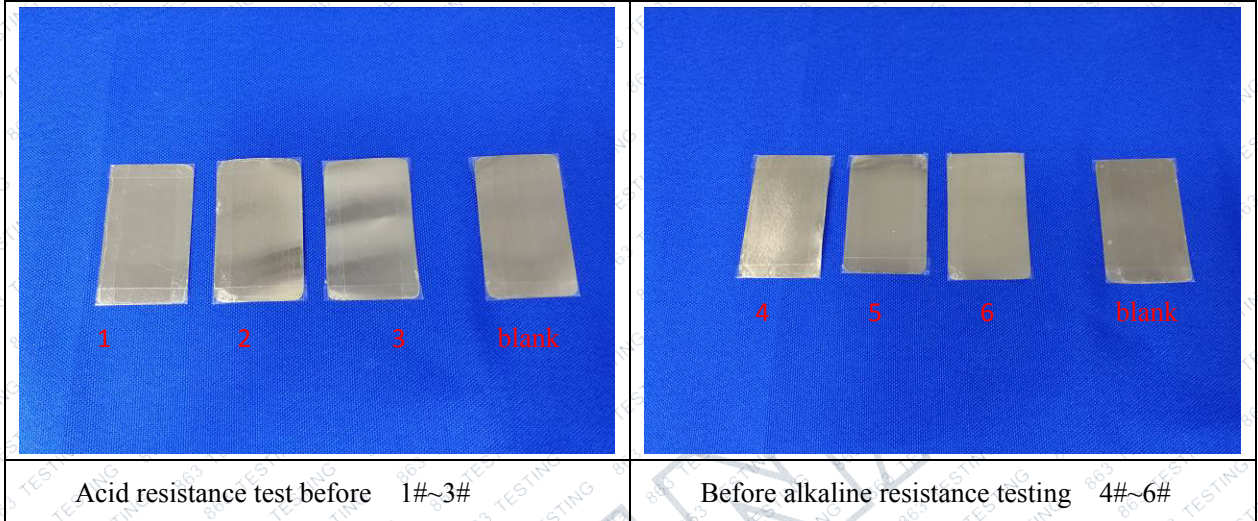
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1. Before the test photo:



2. Test environmental conditions:

Test temperature: (25±10) °C, Test humidity: (50±25) %RH

3. Test Equipment:

Equipment name	Equipment No.	Equipment type	Calibration date
ph instrument	SA-20	PH700	20180717

4. The test method:

According to customer requirements and GB/T 9274 procedure A: semi-soaking.

5. Test Process:

Sample No	Test solution	PH	Test time
1#~3#	0.01N Hcl	2.0	96h
4#~6#	0.01N NaOH	12.0	
Acid and alkali resistance test sample side protection.			

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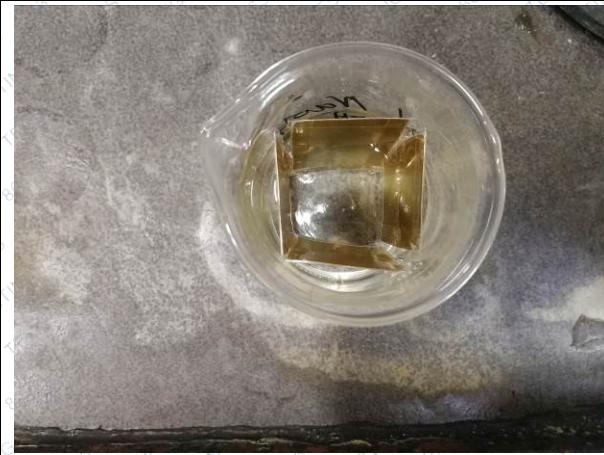
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6. Test Result:

test item	time	Sample No.	Test Result (Visual inspection)
acidproof	24h	1#~3#	The surface of the sample was no wrinkles, blistering, peeling, cracking, rust, mildew and spots.
	48h	1#~3#	The surface of the sample was no wrinkles, blistering, peeling, cracking, rust, mildew and spots.
	72h	1#~3#	The surface of the sample was no wrinkles, blistering, peeling, cracking, rust, mildew and spots.
	96h	1#~3#	The surface of the sample was no wrinkles, blistering, peeling, cracking, rust, mildew and spots.
alkali-resisting	24h	4#~6#	The surface of the sample was no wrinkles, blistering, peeling, cracking, rust, mildew and spots.
	48h	4#~6#	The surface of the sample was no wrinkles, blistering, peeling, cracking, rust, mildew and spots.
	72h	4#~6#	The surface of the sample was no wrinkles, blistering, peeling, cracking, rust, mildew and spots.
	96h	4#~6#	The surface of the sample was no wrinkles, blistering, peeling, cracking, rust, mildew and spots.

7. The photo of the Test:



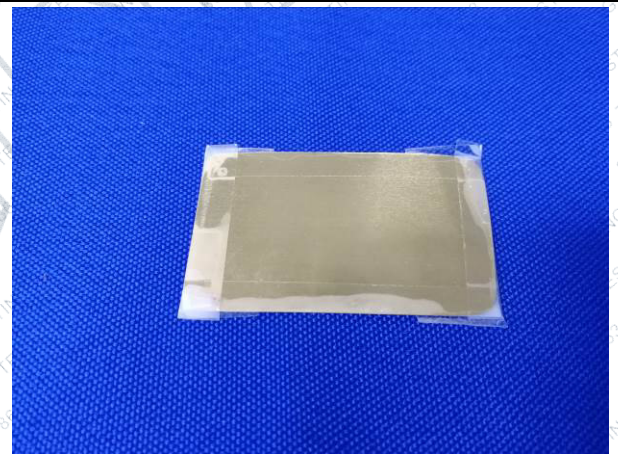
Acid testing



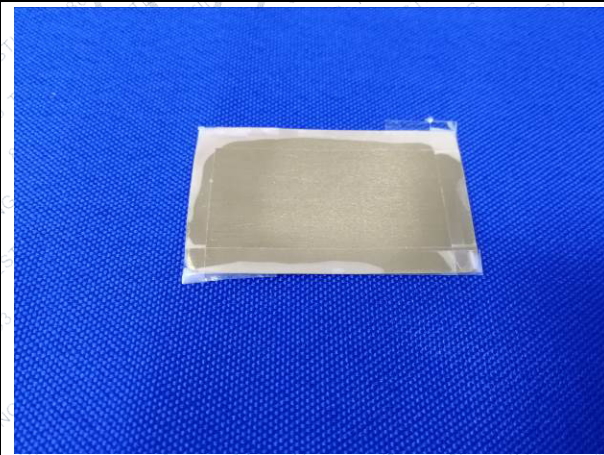
Alkali resistance testing



After acid test 1#



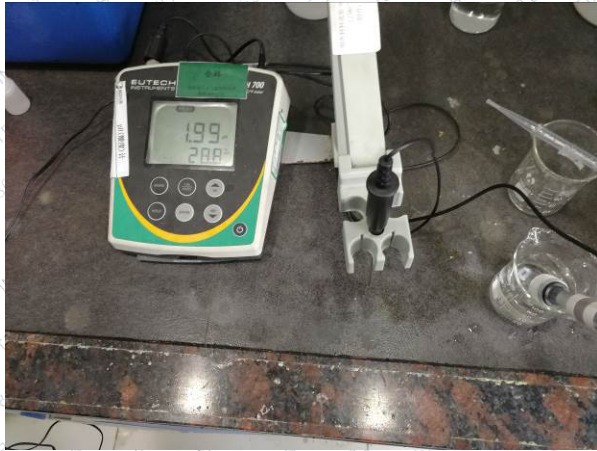
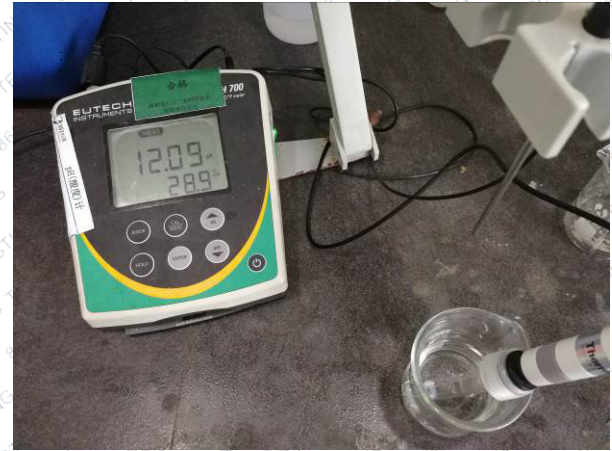
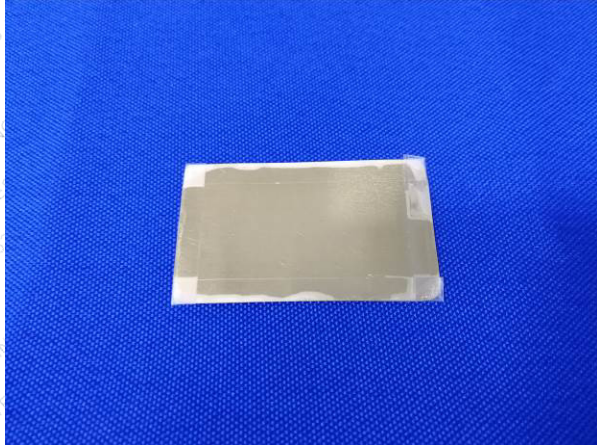
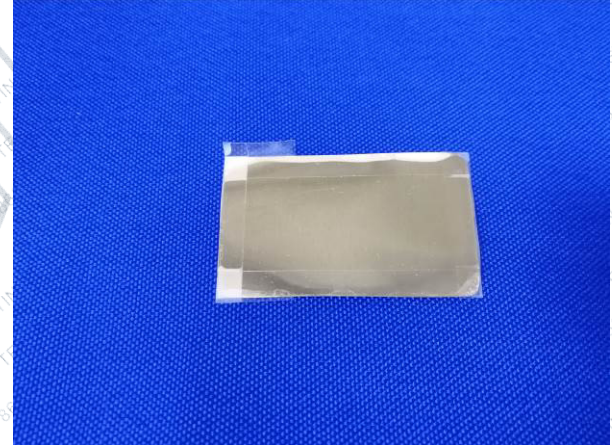
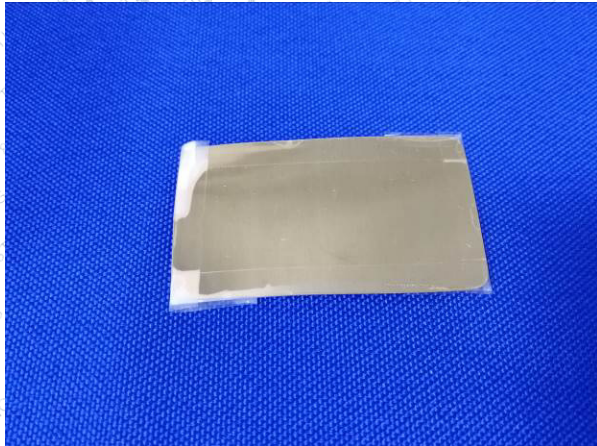
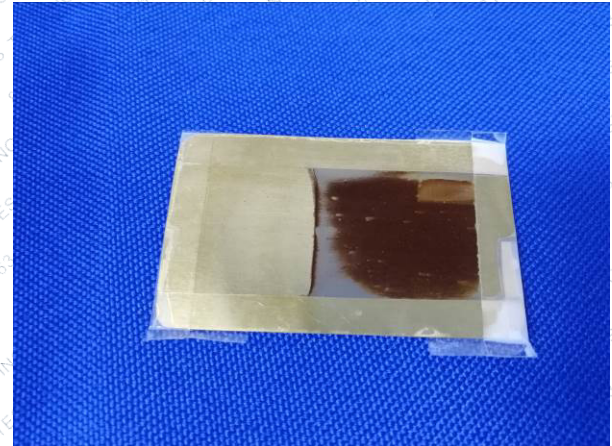
After acid test 2#



After acid test 3#



Acid resistance test blank sample

	
<p>Acid resistance test solution PH value</p>	<p>PH value of alkali resistant test solution</p>
	
<p>After alkali resistance test 4#</p>	<p>After alkali resistance test 5#</p>
	
<p>After alkali resistance test 6#</p>	<p>Blank sample after alkali resistance test</p>
<p>Sample photo after 24h test</p>	

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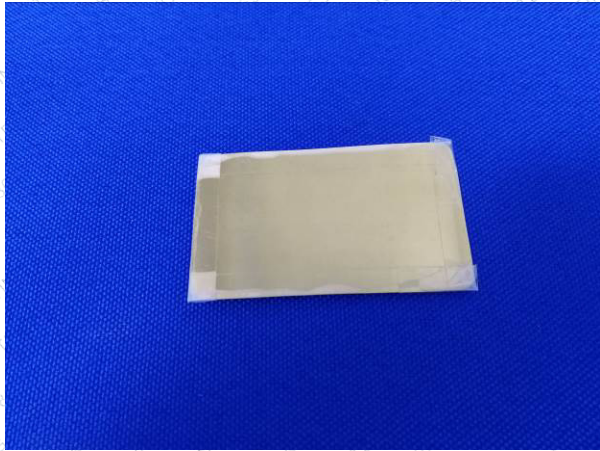
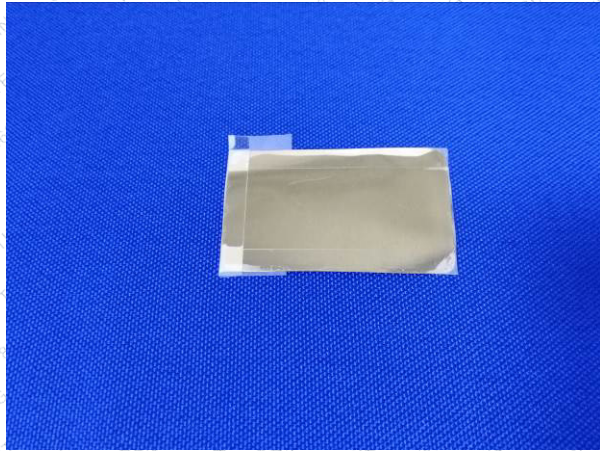
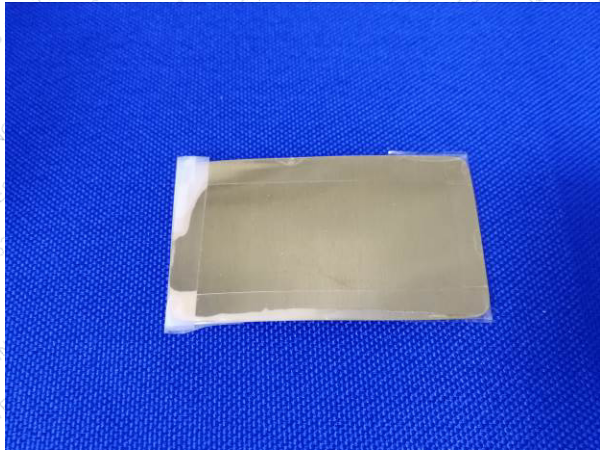
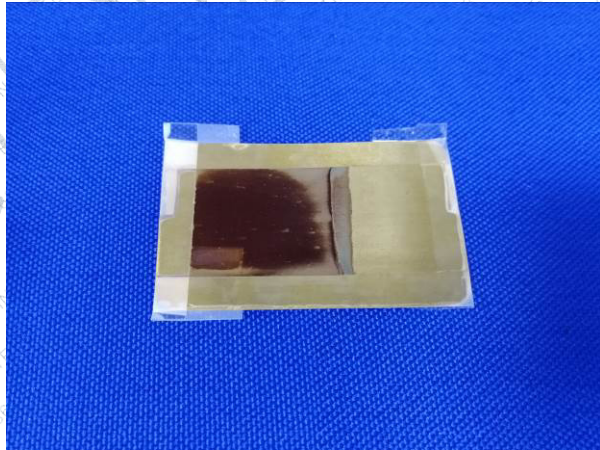
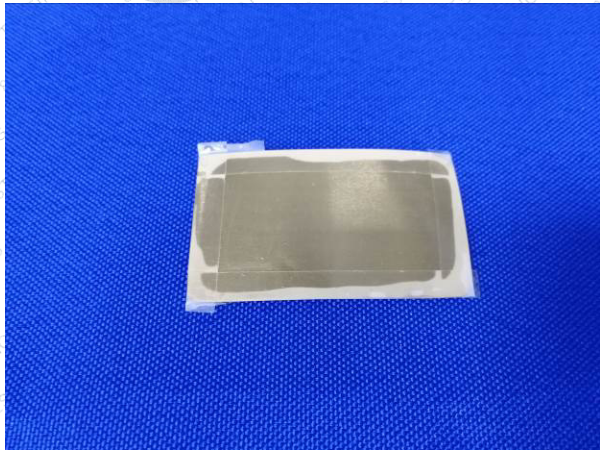
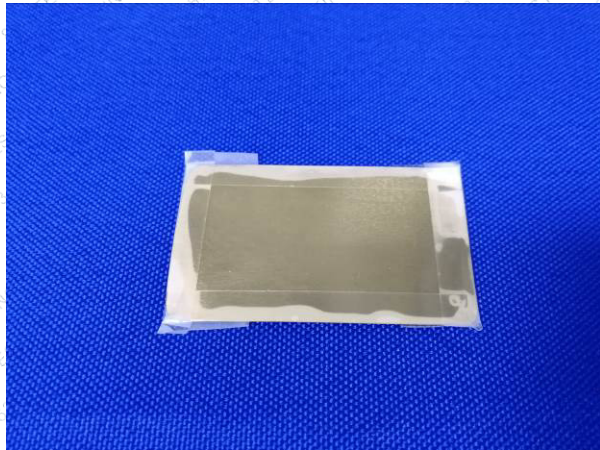
After acid test 1#	After acid test 2#
After acid test 3#	Acid resistance test blank sample
Acid resistance test solution PH value	PH value of alkali resistant test solution

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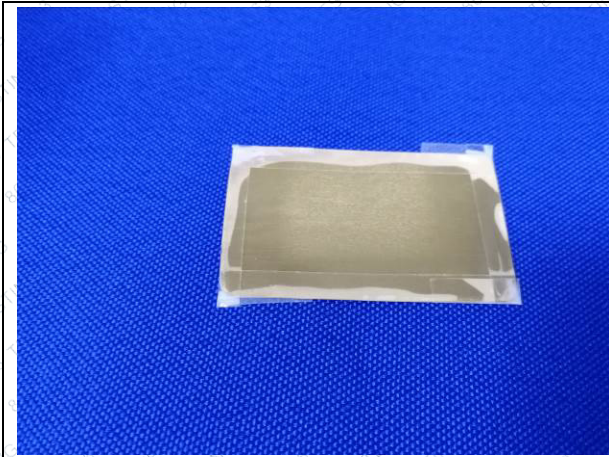
	
After alkali resistance test 4#	After alkali resistance test 5#
	
After alkali resistance test 6#	Blank sample after alkali resistance test
Sample photo after 48h test	
	
After acid test 1#	After acid test 2#

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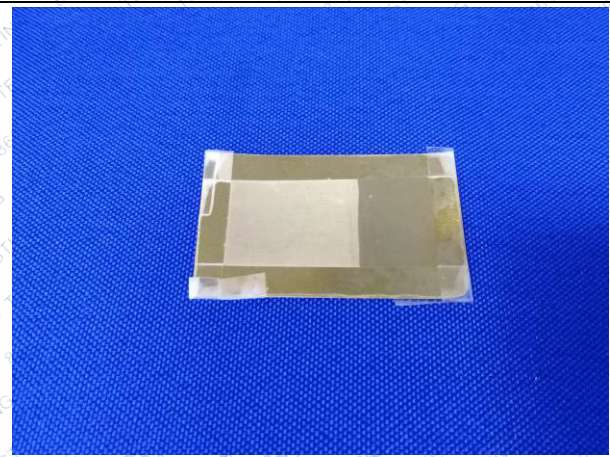
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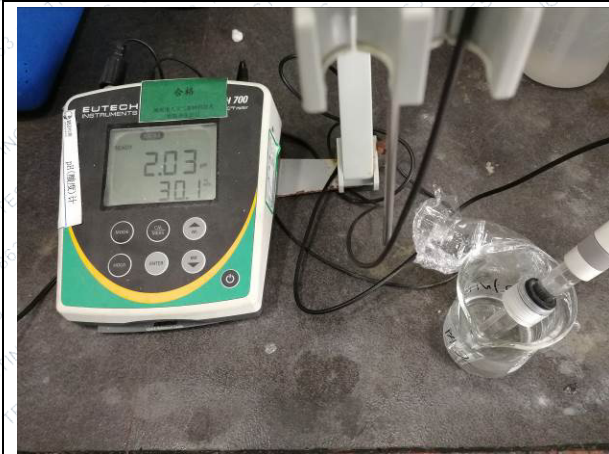
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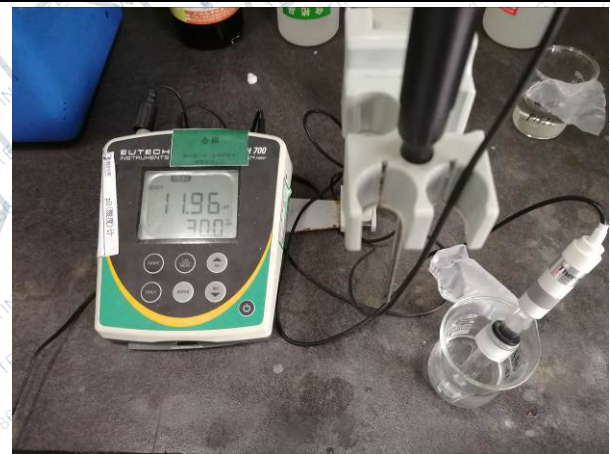
After acid test 3#



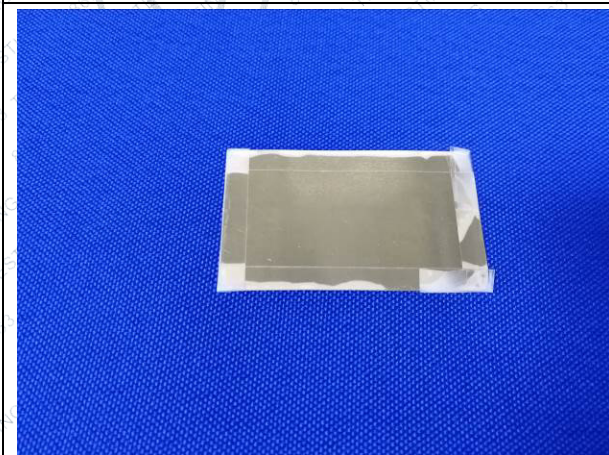
Acid resistance test blank sample



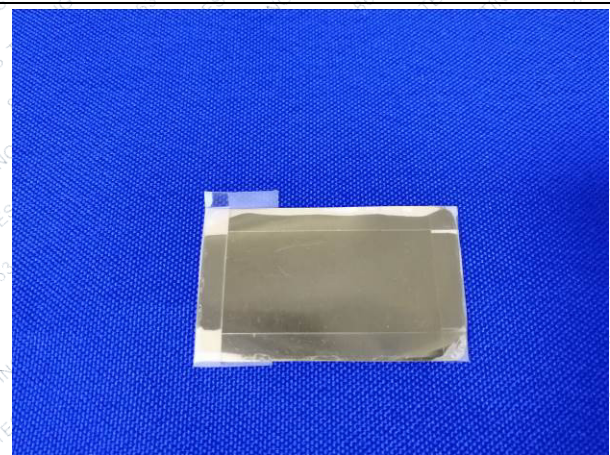
Acid resistance test solution PH value



PH value of alkali resistant test solution



After alkali resistance test 4#



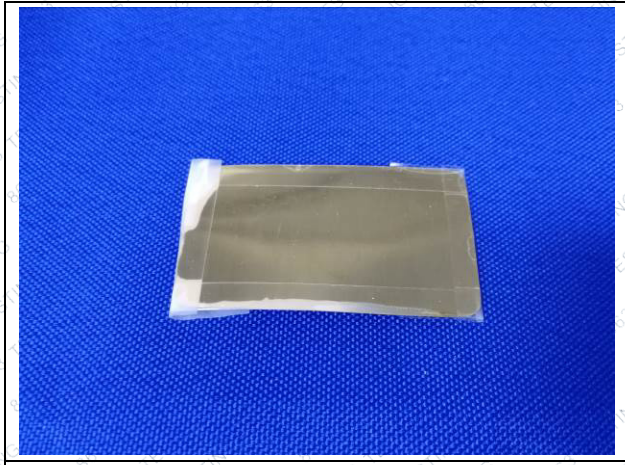
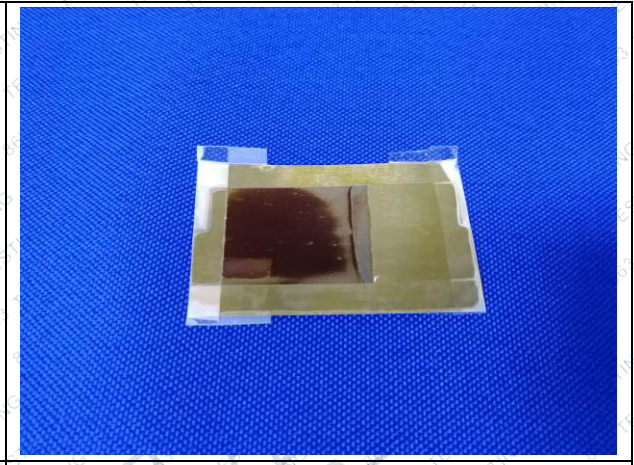
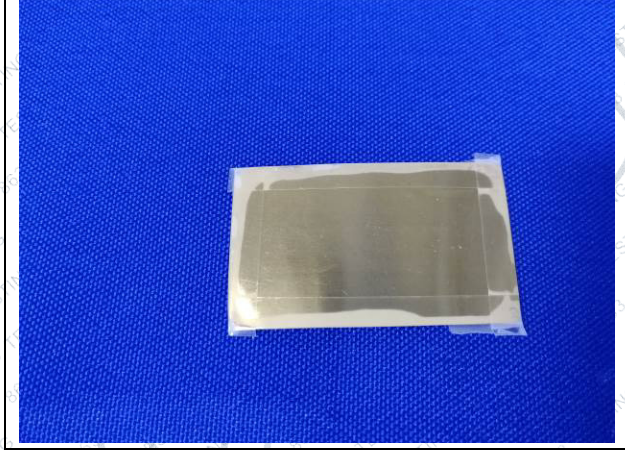

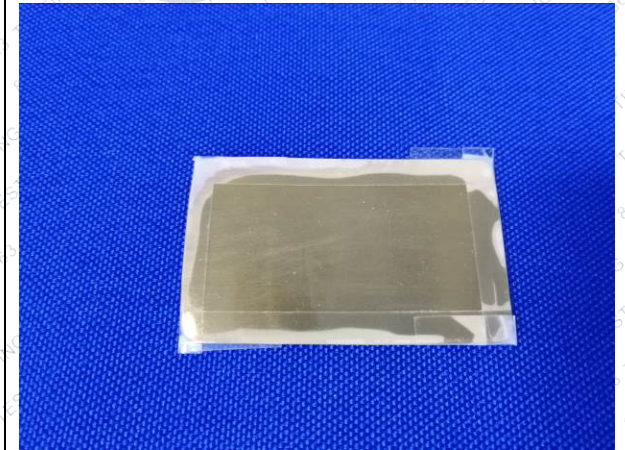
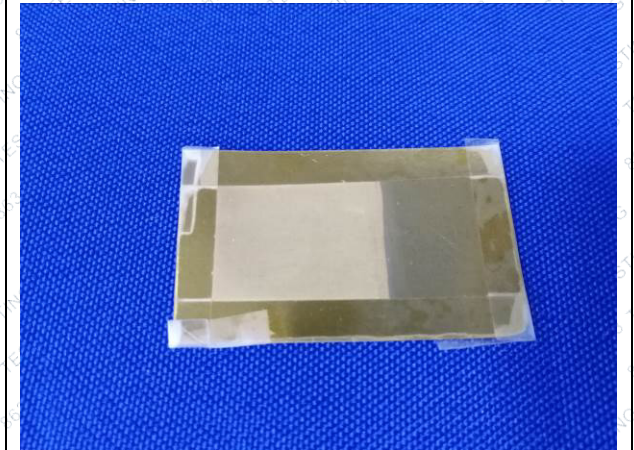
After alkali resistance test 5#

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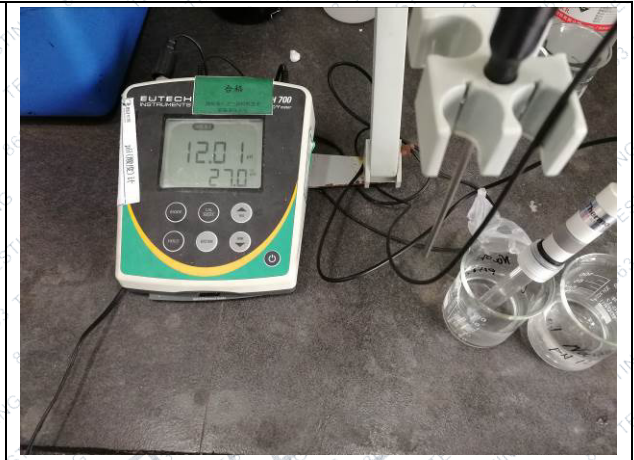
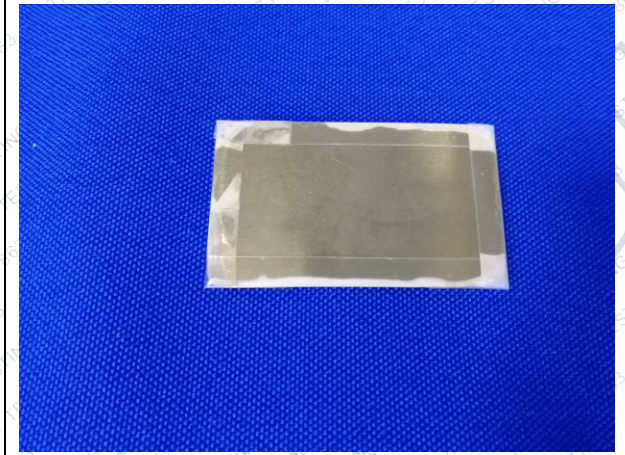
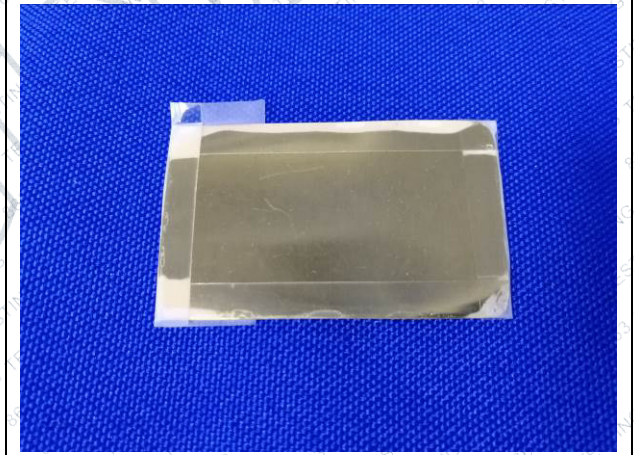

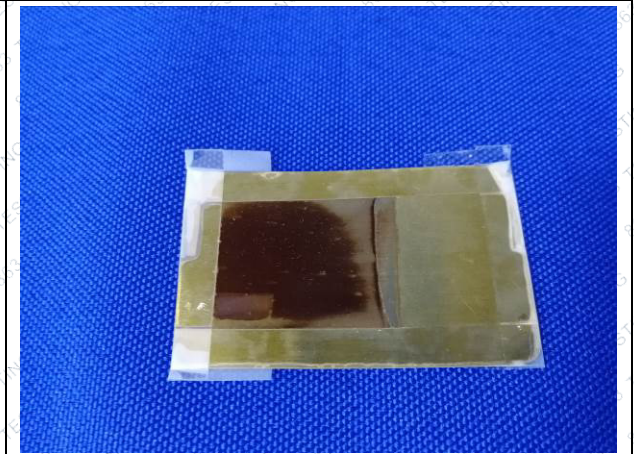
	
<p>After alkali resistance test 6#</p>	<p>Blank sample after alkali resistance test</p>
<p>Sample photo after 72h test</p>	
	
<p>After acid test 1#</p>	<p>After acid test 2#</p>
	
<p>After acid test 3#</p>	<p>Acid resistance test blank sample</p>

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<p>Acid resistance test solution PH value</p>	<p>PH value of alkali resistant test solution</p>
	
<p>After alkali resistance test 4#</p>	<p>After alkali resistance test 5#</p>
	
<p>After alkali resistance test 6#</p>	<p>Blank sample after alkali resistance test</p>
<p>Sample photo after 96h test</p>	

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*** End of report ***

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