



检测报告

编号 : GZMR250401137509_CN

日期 : 2025-07-24

页码 : 1 of 7



客户名称: 江苏万源新材料股份有限公司
客户地址: 镇江市丹徒区上党镇薛村工业园兴业路

样品名称 : 高分子抗 UV 涂层铝箔

以上信息及样品由客户提供及确认, SGS 不承担证实客户提供信息的准确性、适当性和(或)完整性的责任。

SGS 参考号 : SHP25-011946

收样日期 : 2025-04-18

测试开始时间 : 2025-04-18

测试结束时间 : 2025-07-24

测试结果 : 请见下页 (除另有特别说明外, 此报告结果仅对测试样品负责)

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于梦珂

于梦珂

授权签字人



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结果总结：

序号	测试项目	测试方法	结果	结论
1	光老化试验-紫外辐射 暴露+中性盐雾(NSS) 试验	ASTM G154-23 循 环 1 & ASTM B117- 19	详见结果	合格

备注：合格：达到要求

不合格：未达到要求

/：不下判定



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1. 测试项目: 光老化试验-紫外辐射暴露+中性盐雾(NSS)试验

样品描述: A-片材

测试方法: ASTM G154-23 循环 1 & ASTM B117-19

测试条件:

光老化测试循环:

灯管类型: UVA-340

光照: 8h, $(60 \pm 3)^{\circ}\text{C}$ BPT, $0.89\text{W}/(\text{m}^2 \cdot \text{nm})@340\text{nm}$ 冷凝: 4h, $(50 \pm 3)^{\circ}\text{C}$ BPT

暴露时间: 1000h

中性盐雾(NSS)试验:

沉降盐液浓度: $(5 \pm 1)\%$ NaCl (m/m)试验箱温度: $(35 \pm 2)^{\circ}\text{C}$ 盐雾沉降率: $(1.0 \sim 2.0)\text{ml}/(80\text{cm}^2 \cdot \text{h})$ 沉降盐液 pH 值 $(23 \pm 3)^{\circ}\text{C}$: 6.5~7.2

测试时间: 1000h

测试结果:

样品 A

光老化

试样	外观	失光率, %	客户要求	结论
A	可见变色	3.5	失光率 $\leq 10\%$	合格

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中性盐雾(NSS)试验

试样	测试时间	外观	锈蚀等级	起泡等级	客户要求	结论
1	500h	无可见生锈、起泡	10	10	锈蚀等级：10 起泡等级：10	/
2		无可见生锈、起泡	10	10		/
3		无可见生锈、起泡	10	10		/
1	1000h	无可见生锈、起泡	10	10		合格
2		无可见生锈、起泡	10	10		合格
3		无可见生锈、起泡	10	10		合格

备注：

1. 锈蚀等级参照 ASTM D1654-24 程序 B 和客户要求 & ASTM D610-08(2019)，如下：

锈蚀面积 A(%)	锈蚀等级
$A \leq 0.01$	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

按锈蚀面积划分为 0~10 级，附带字母表示：S-斑点状锈蚀；G-普通锈蚀；P-针点状锈蚀；H-混合型锈蚀。

2. 起泡等级参照 ASTM D1654-24 程序 B 和客户要求 & ASTM D714-25，起泡等级包含尺寸和密集程度：尺寸分为 10 个等级，10 级最好，0 级最差。密集程度分为如下四个等级：密集，D；中等密集：MD；中等：M；少量：F。

3. 根据 ISO 2813:2014，失光率(60° 几何条件) = (测试前光泽度 - 测试后光泽度) / 测试前光泽度 $\times 100\%$ 。

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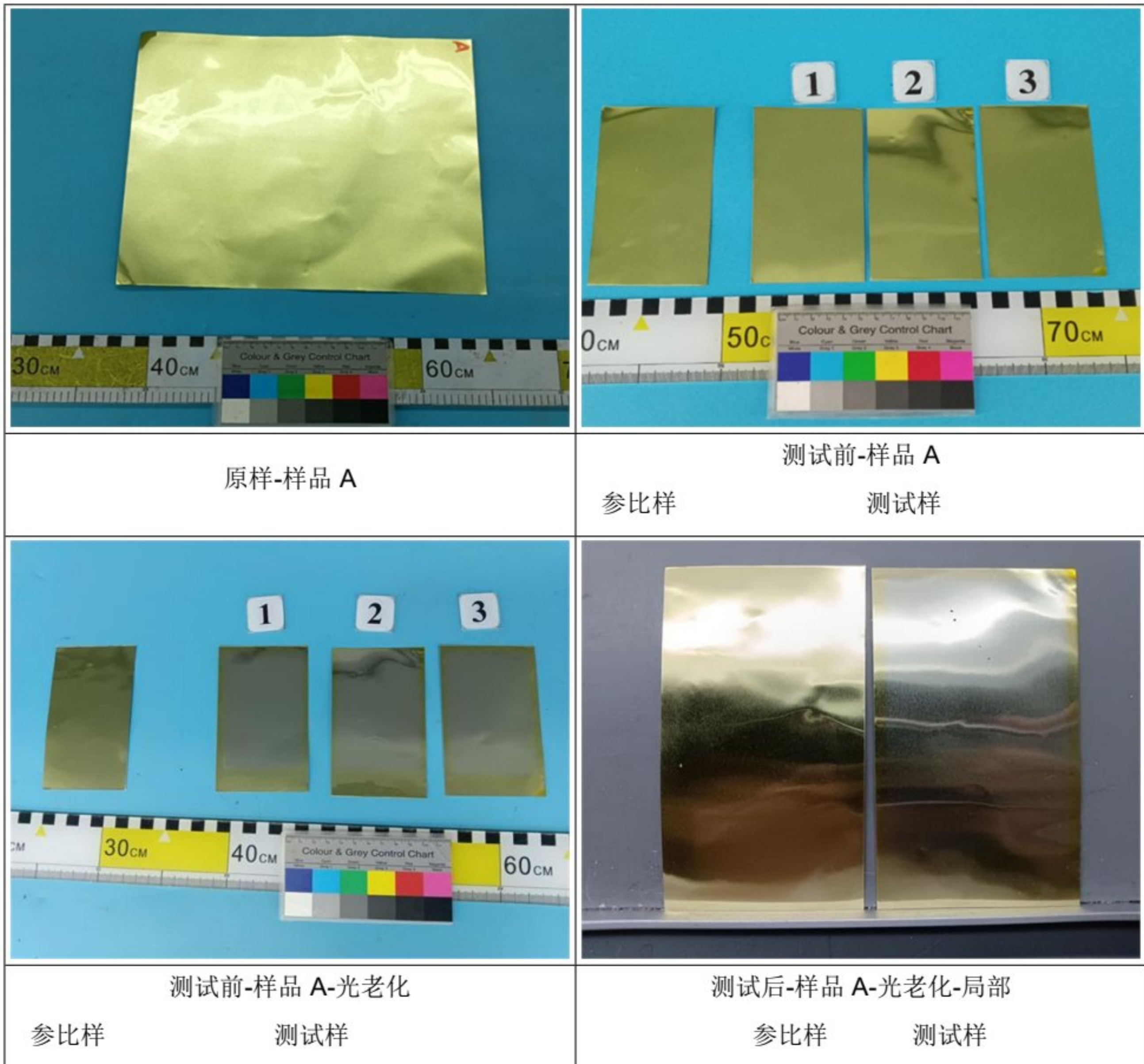
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4. 根据客户要求, 盐雾试验只评价生锈、起泡。
5. 中间查样的结果是取样后未作处理立即评定的, 仅供客户参考。

测试照片:



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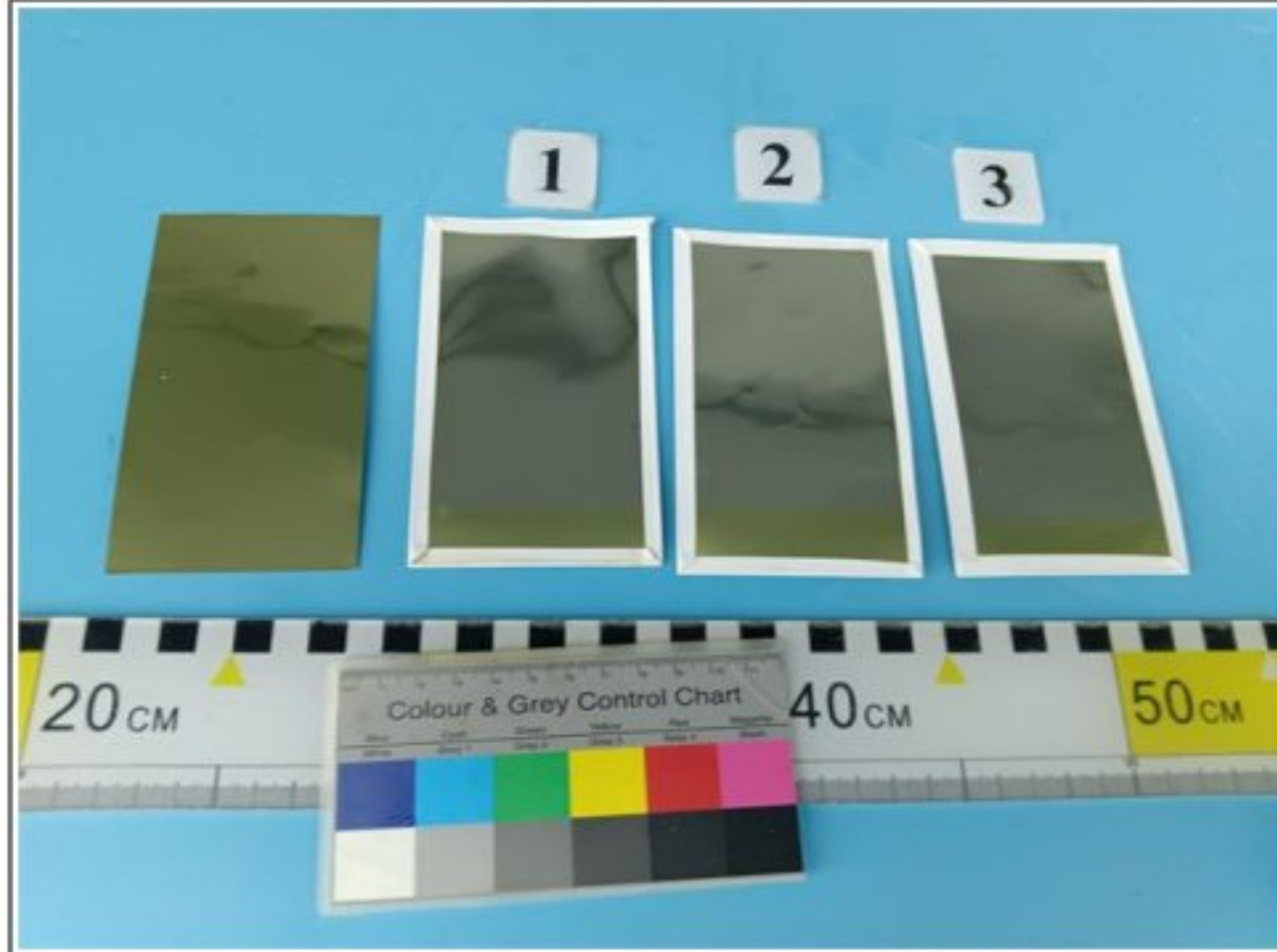
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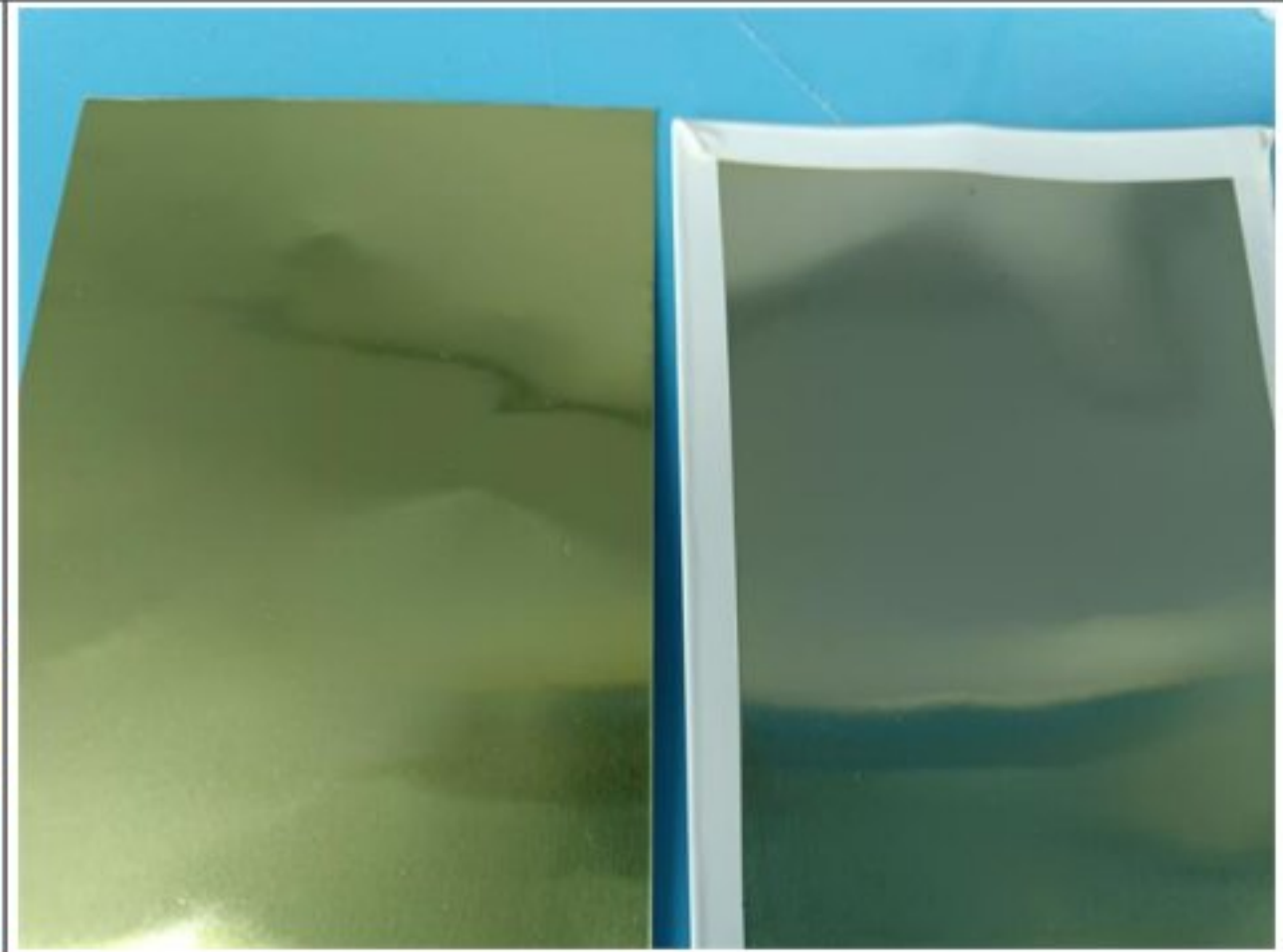
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测试后-样品 A-500h-盐雾

参比样

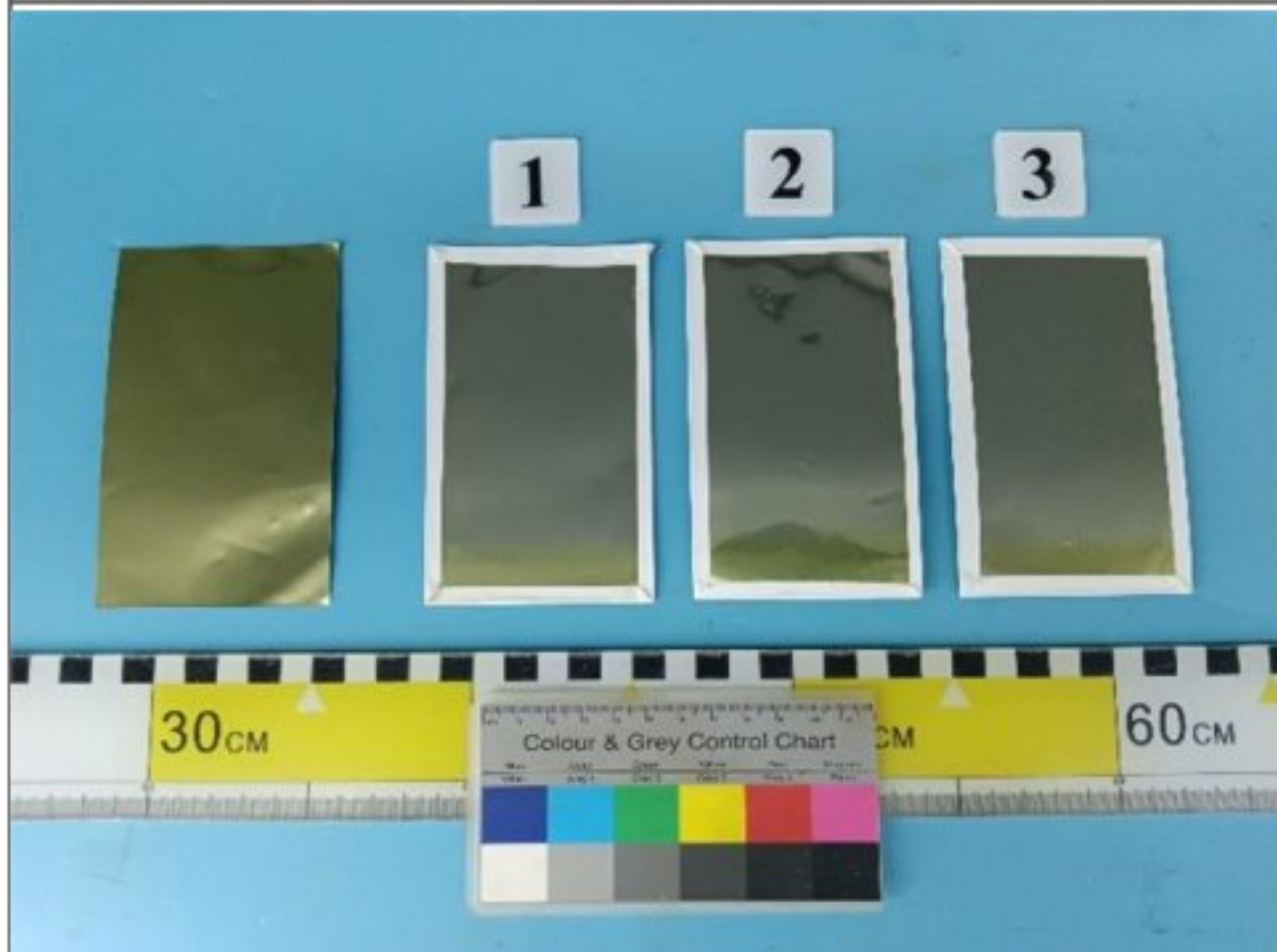
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测试后-样品 A-500h-盐雾-局部

参比样

测试样



测试后-样品 A-1000h-盐雾

参比样

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测试后-样品 A-1000h-盐雾-局部

参比样

测试样



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设备信息：

设备	型号	设备编号	校准日期	下次校准日期
光泽度仪	4563	GZMR-AG-E301	2024-09-13	2025-09-12
荧光紫外老化机	QUV-Se	GZMR-AG-E057	2024-10-11	2025-10-10
荧光紫外老化机	QUV-Se	GZMR-AG-E058	2024-10-11	2025-10-10
循环腐蚀试验仪	CCT1100	GZMR-AG-E050	2024-07-11	2025-07-10
循环腐蚀试验仪	CCT1100	GZMR-AG-E050	2025-06-17	2026-06-16

附录信息：

*除非另有说明，参照 ILAC-G8:09/2019, 使用简单接受（w=0）的二元判定规则进行符合性判定。

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