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检测
TESTING
CNAS L9334



微谱
WEIPU

检测报告/Test Report

报告编号/ Report No.: SHA55-24070659-C-01-02CnEn

样品来源/Sample Origin: 客户送样/ Customer Sample Delivery

红马添彩涂料科技（上海）有限公司

客户名称/Client: Honma Color aint Technology (Shanghai) Co., LTD

上海市金山区亭林工业区林慧路 1388 号武阳科创园 10 号楼
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Park, No. 1388 Linhui Road, Tinglin Industrial Zone, Jinshan

地址/Address: District, Sha

上海微谱检测科技集团股份有限公司

Shanghai WEIPU Testing Technology Group Co., LTD.

检测报告/Test Report

下列样品及样品信息由委托方提供及确认/The following sample(s) was/were submitted and identified on behalf of the applicant:

样品名称/Sample Name: 水性聚氨酯抗菌纳米韧釉涂料/Waterborne polyurethane antibacterial nano-tough glaze coating

样品描述/Sample Description: /

样品规格/Specification: /

型号/批号/Type/ Batch number: /

其他信息/Other Information: 商标/trademark : honma

检测信息/Testing information:

接样日期/Date of Sample Received: 2024-08-16

检测周期/ Testing Period: 2024-08-16~2024-10-31

检测要求/Test Item(s): 根据客户要求进行检测/Selected test (s) as requested by client.

检测依据/Test Criterion: 请参见下一页/Please refer to next page(s).

检测结果/Test Result: 请参见下一页/Please refer to next page(s).

编制/Complied by:

戴奕敏

批准/ Approved by:

李莹莹

签发日期/ Issued Date:

2024-10-31

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1.检测项目/ Test item(s): 紫外老化 Ultraviolet aging*

检测依据/ Test standard(s): GB/T 23983-2009 & GB/T 1766-2008

检测设备/ Testing equipment:

紫外老化试验机, 型号: QUV/Spray/ UV aging testing machine, model: QUV/Spray

色差仪, 型号: Ci64/ Color difference meter, Model: Ci64

检测条件/ Test conditions:

条件 Condition	辐照度/Irradiance W/(m ² ·nm)(310nm)	黑板温度/ Blackboard temperature (°C)	暴露周期/ Exposure cycle (h)
光照 Illumination	0.68	60	168
喷淋 Spray	/	/	/
凝露 Condensation	/	/	/

检测结果/ Test result(s):

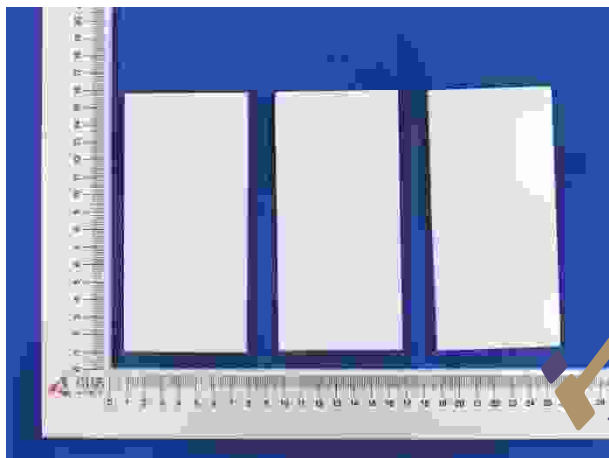
样品编号 Sample ID	检测项目 Test Item	检测结果 Test Result	要求 Requirements	结论 Conclusion
2408008257-1	紫外老化 Ultraviolet aging	外观无可视变化, 色差 ΔE^* : 0.46 No visual change in appearance, Δ E^* :0.46	$\Delta E^* \leq 3.0$	符合 Conform

备注: “要求”来源于客户/ Note: "Requirements" are from customers

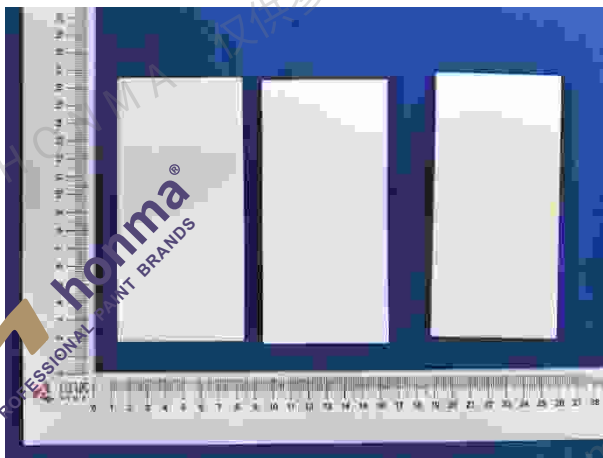
代表性附件/ Representative annex:



试验中 During test



试验前 Before test



试验后 After test

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2.检测项目/ Test item(s): 耐液体介质/ Liquid resistant medium

检测依据/ Test standard(s): GB 9274-88

检测条件/ Test conditions:

常温下浸泡 50 g/LNaOH 中 96 h、50 g/LH₂SO₄ 中 24 h

Soak in 50 g/LNaOH for 96 h and 50 g/LH₂SO₄ for 24 h at room temperature

检测结果/ Test result(s):

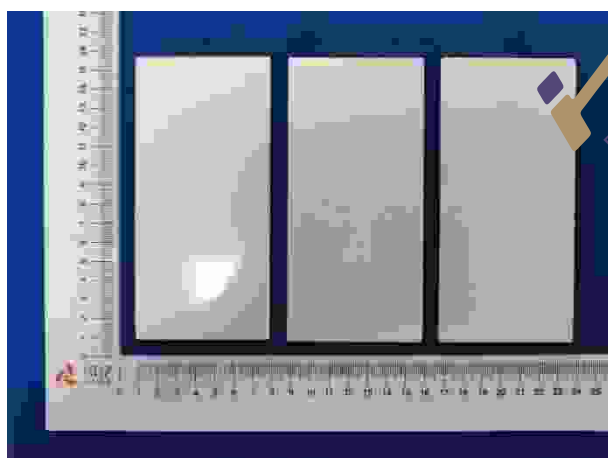
样品编号 Sample ID	检测项目 Test Item	检测结果 Test Result	要求 Requirements	结论 Conclusion
2408005122-1	50 g/LNaOH	外观无异常 No abnormal appearance	外观无异常 No abnormal appearance	符合 Conform
	50 g/LH ₂ SO ₄	外观无异常 No abnormal appearance		符合 Conform

备注: “要求”来源于客户/ Note: "Requirements" are from customers

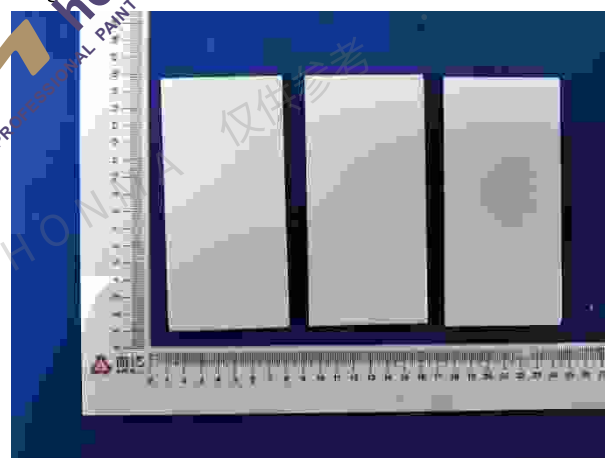
代表性附件/ Representative annex:



NaOH 试验中 During NaOH test



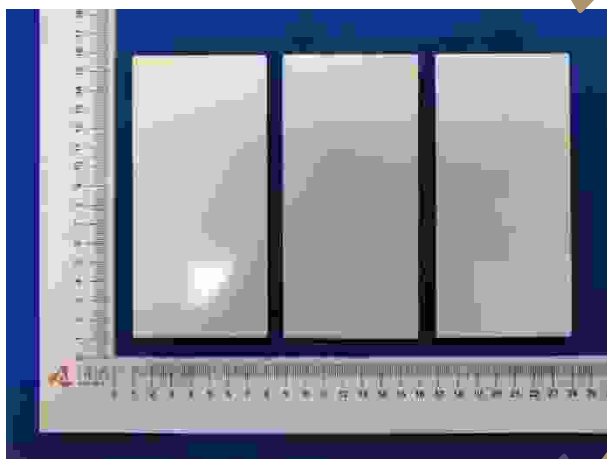
NaOH 试验前 Before NaOH test



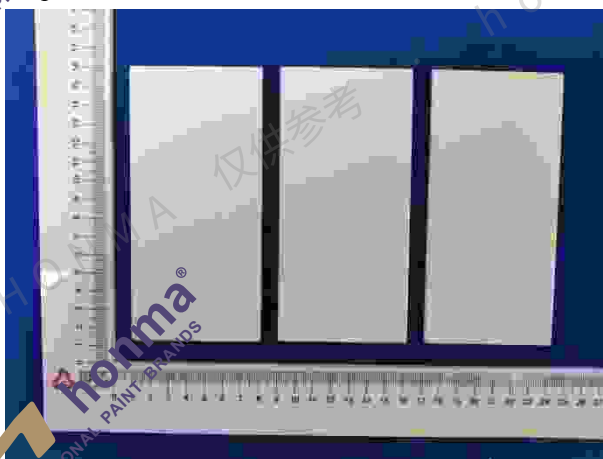
NaOH 试验后 After NaOH test



H₂SO₄ 试验中 During H₂SO₄ test



H₂SO₄ 试验前 Before H₂SO₄ test



H₂SO₄ 试验后 After H₂SO₄ test

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3.检测项目/ Test item(s): 耐溶剂擦拭性 Resistance to solvent wiping

检测依据/ Test standard(s): GB/T 23989-2009

检测条件/ Test conditions:

用脱脂棉球沾取无水酒精擦拭样板 100 次

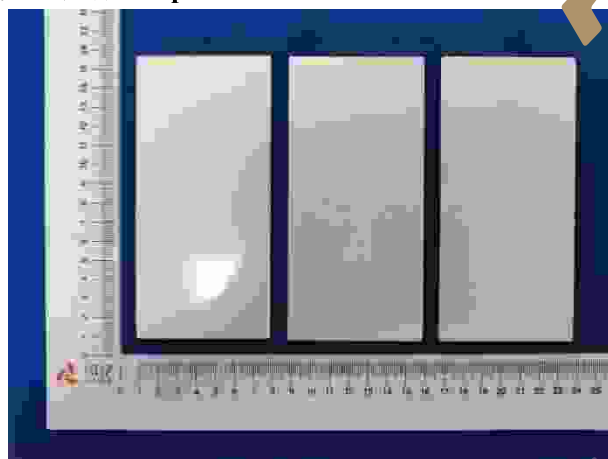
Wipe the sample with anhydrous alcohol soaked in a cotton ball 100 times

检测结果/ Test result(s):

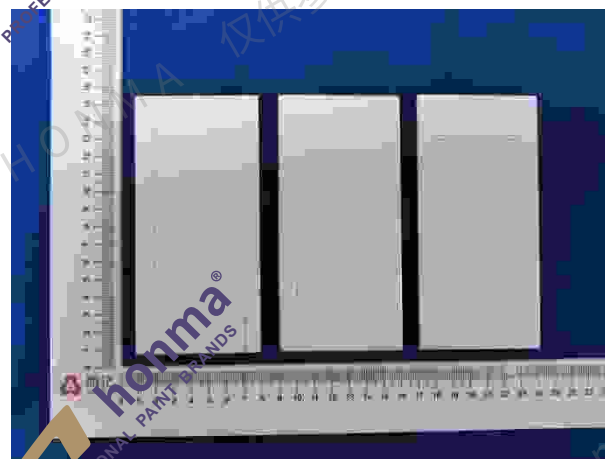
样品编号 Sample ID	检测项目 Test Item	检测结果 Test Result	要求 Requirements	结论 Conclusion
2408005122-1	耐溶剂擦拭性 Resistance to solvent wiping	无破损, 不露底材 No damage, no substrate	无破损, 不露底材 No damage, no substrate	符合 Conform

备注: “要求”来源于客户/ Note: "Requirements" are from customer

代表性附件/ Representative annex:



试验前 Before test



试验后/ After test

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4.检测项目/ Test item(s): 耐水性/ Water resistance

检测依据/ Test standard(s): GB/T 1733-93

检测条件/ Test conditions:

常温下浸泡水中 300 h/ Soak in water for 300 h at room temperature

检测结果/ Test result(s):

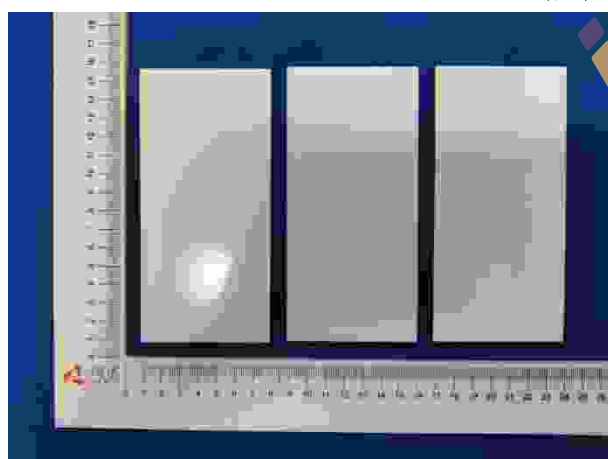
样品编号 Sample ID	检测项目 Test Item	检测结果 Test Result	要求 Requirements	结论 Conclusion
2408005122-1	耐水性 Water resistance	外观无异常 No abnormal appearance	外观无异常 No abnormal appearance	符合 Conform

备注: “要求”来源于客户/ Note: "Requirements" are from customers

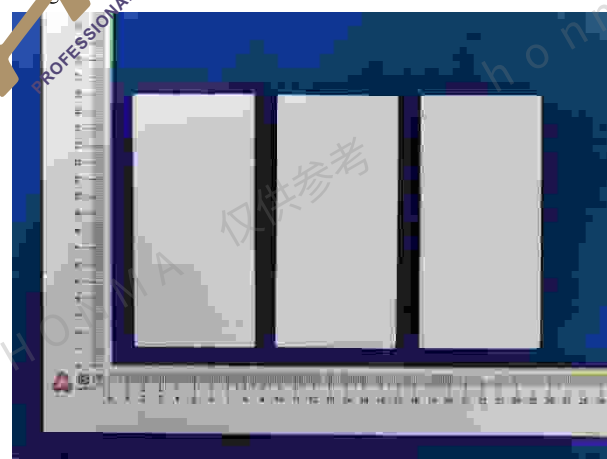
代表性附件/ Representative annex:



试验中 During test



试验前 Before test



试验后 After test

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5.检测项目/ Test item(s): 漆膜硬度/ Film hardness

检测依据/ Test standard(s): GB/T 6739-2022

检测设备/ Testing equipment:

组合铅笔硬度计, 型号: BGD505/Combined pencil hardness tester, Model: BGD505

检测条件/ Test conditions:

负载: 750 g/ Load: 750 g

铅笔类型: 三菱/ Pencil type: Mitsubishi

检测结果/ Test result(s):

样品编号 Sample ID	检测项目 Test Item	检测结果 Test Result	要求 Requirements	结论 Conclusion
2410000751-1	漆膜硬度 Film hardness	7H	≥4H	符合 Conform

备注: “要求”来源于客户/ Note: "Requirements" are from customers

6.检测项目/ Test item(s): 耐洗刷性/Washable resistance**

检测依据/ Test standard(s): GB/T 9266-2009

检测设备/ Testing equipment: 建筑涂料耐洗刷仪/Wash-resistant brush tester for architectural coatings, 型号

/Model number: BGD526, 设备编号/Equipment number: ZBA-E-0245

检测条件/Test condition: 300000 次/300000 times

检测结果:

样品编号 Sample ID	产品名称 Product name	样品描述 Sample description	序号 number	结果 result
2408005122-1	水性聚氨酯抗菌纳米韧釉涂料 Waterborne polyurethane antibacterial nano-tough glaze coating	白色漆板 White lacquer board	1	摩擦后未漏底材 The substrate is not leaked after friction
			2	摩擦后未漏底材 The substrate is not leaked after friction

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7.检测项目/ Test item(s): 划格试验/ Grid test

检测依据/ Test standard(s): GB/T 9286-2021

检测设备/ Testing equipment:

漆膜划格板, 型号: BGD503 Paint film grid plate, Model: BGD503

检测条件/ Test conditions:

划格间距: 2 mm/ Spacing: 2 mm

划格面积: 6×6 条/ Grid area: 6×6 pieces

胶带型号: 3M610/ Adhesive tape model: 3M610

检测结果/ Test result(s):

样品编号 Sample ID	样品描述 Description	检测项目 Test Item	检测结果 Test Result	要求 Requirements	结论 Conclusion
2410007963-1	/	划格试验 Grid test	GB/T 9286-2021-1a-2	≤3 级	符合 Conform
			GB/T 9286-2021-1a-2		
			GB/T 9286-2021-1a-3		

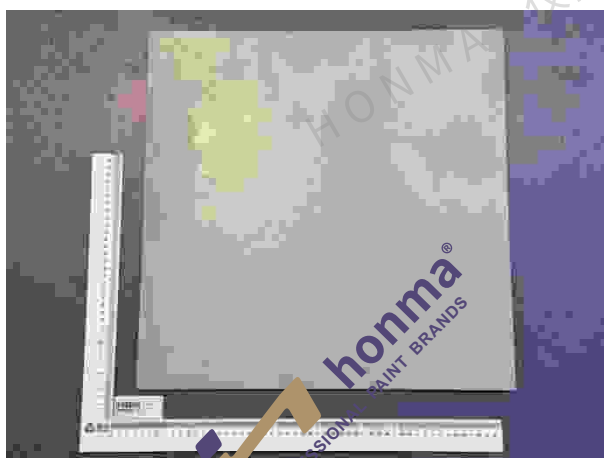
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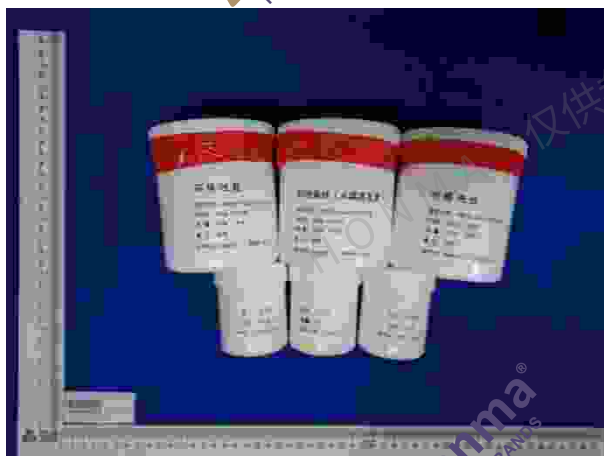
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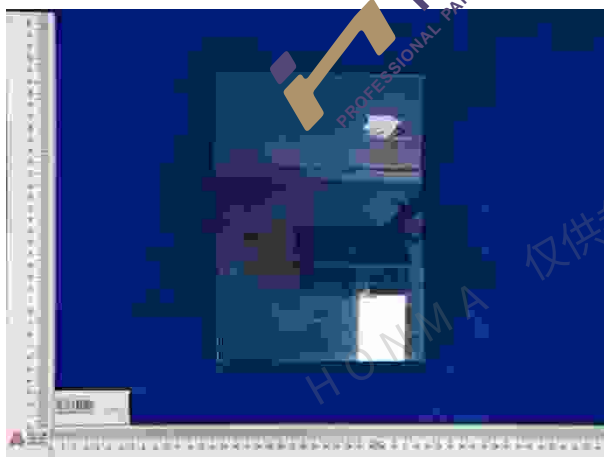
样品照片/Sample picture(s):



2408008257-1



2408005122-1



2410000751-1



2410007963-1

报告结束 End of the Report

—— 声明/DECLARE ——

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