



中国认可
国际互认
检测
TESTING
CNAS L0811

检验检测报告

TEST REPORT

No. IAQ-2025-029-FS

样品名称

Product

Acrylic Flooring Adhesive

委托单位

Customer

Green Panel Corporation

北京绿奥诺技术服务有限公司

检验类别

Type of Test

Commission



北京市产品质量监督检验研究院
国家家具及室内环境质量检验检测中心
Beijing Products Quality Supervision and Inspection Institute
National Center for Quality Inspection and Testing of Furniture & Indoor Environment
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产品信息 Product Sample information	产品名称 Product name	Acrylic Flooring Adhesive
	产品类别 Product category	Flooring Adhesive
	规格及数量 The size(L×W×T) mm/Quantity (piece)	1.5kg/bag/1.5kg
	生产日期 Date sample manufactured	2025/5/19
	产品识别码 Sample Tracking ID	TE0519
	抽样日期 Date sample collected	2025/5/23 9:00
	到样日期 Date sample received by lab	2025.05.26
	收样状态 Condition of received sample	完好 intact
	样品编号 Lab sample tracking number	IAQ-2025-029-FS
	调质日期 Conditioning start Date & duration	240±5小时（2025年5月30日9时至2025年6月9日9时）
	舱内测试日期 Chamber test start Date & duration	2025年6月9日9时至2025年6月13日11时
	检验日期 Total test start Date & duration	2025年05月30日至2025年06月27日
	委托单位信息 Customer information	名称 Manufacturer or organization
地址 Address		Room 914, Office Tower 3, Henderson Center, 18 Jianguomen Inner Street, Dongcheng District, Beijing, China
联系人/职位 Contact name/ Title		乌恩 Wu En/Auditor
联系电话 Phone Number		13717971224
生产单位信息 Manufacturer Information	名称 Manufacturer	Anhui Surmount New Materials Co.,Ltd. 安徽斯迈特新材料股份有限公司
	地址 Manufacturing Location	Wei 2 Rd, Laian County Industrial Park,Chuzhou,Anhui, China 中国安徽省滁州市纬二路来安县工业园
	联系人及电话 Contact name/ Phone Number	李羽倩 Li Yuqian/15365181226
包装运输 Shipping Information	包装人 Packed By	Ms. Li
	封样方式 Sealed type	Aluminum foil vacuum bag铝箔真空袋
	运输日期 Shipping date	2025.05.24 - 2025.05.26
	承运单位 Carrier	SF
	运单号码 Air Number	SF1550142934742
检验依据 Standards	检验项目 Test Projects	VOC Emission
	测试方法 Test method	CDPH/EHLB Standard Method V1.2
	评价标准 Acceptance criteria	CDPH/EHLB Standard Method V1.2
	模拟场景 Modeling scenario	Office & Classroom
	产品类型 Product type	Flooring adhesive
检验结果 Test results	检验结果详见附页。 Test results see attachment.	
备注 Remarks		
批准: 孙丽华 Approved by	审核: 赵静 Inspected by	编制: 王亚辉 Compiled by

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测试方法 Test Methods	The product sample was tested for emissions of VOCs following California Department of Public Health Services "Standard Method for the Testing and Evaluation of Volatile Organic Chemical Emissions from Indoor Sources Using Environmental Chamber Version 1.2-California Specification 01 350".The chamber test method is conducted following the guidance of ASTM Standard D 5116-17 and ISO 16000-9:2011		
测试条件 Test conditions	The sample was conditioned for 10 days in the same test chamber where the analysis was performed during 96h.The same conditions during conditioning and test were kept and described as below:		
	参数parameter	符号Symbol	单位Units 数值Value
	面积Test specimen expose area	A _c	m ² 0.081
	舱体积Chamber Volume	V _c	m ³ 0.120
	承载率Loading ratio	L _c	m ² /m ³ 0.677
	换气率Air change rate	a _c	h ⁻¹ (1.0±0.1)
	进气流量Inlet flow rate	Q	m ³ /h 0.120
	表面风速Area specific flow rate	q _A	m/h 1.477
	温度Temperature	T	℃ (23±0.5)
试件制备 Test Specimen Preparation	相对湿度Relative humidity	RH	% (50±5)
	样品用量The weight of sample	W	kg 0.0265
	The adhesive was uniformly coated by A2 notched trowel onto the glass plate. The glass plate coated by adhesive was the test specimen. Adhesive coated on the glass plate area was 0.081 m ² . Adhesive amount per unit area is 326.3 g / m ² .		
样品采集方法 Sampling conditions	The product specimen was prepared from the supplied product sample and was placed directly into the chamber,and maintained at controlled conditions of air flow rate,temperature and relative humidity for ten days, in the same test chamber where the analysis was performed during 96h,so at 24h,48 h and 96h after initiating the chamber test(without counting the previous 10 days conditioning).Sampling conditions are represented as below:		
	采样条件Sampling condition	VOC	Aldehydes (C ₁ -C ₆)
	数量 Number of sampled tubes	2	2
	采样管类型Sorbent type	Tenax TA	DNPH
		(backed by a carbonaceous sorbent)	
	采集时间Sampling duration	30min	60min
	采集速率Sampling air flow rate	200mL/min	1.5L/min
	采样体积Sampled air volume	6.00L	90L
分析设备 equipment	Aldehydes (C ₁ -C ₄) : A-LH-750 HPLC-SPD-M20A高效液相色谱仪 VOC : A-LH-751 TD-GC/MS气相色谱-质谱联动仪		

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释放因子的计算 Emission Factors	Emission factors were calculated from chamber concentrations then by using the emission factors the estimated building concentrations were calculated. Emission factor (EF) in $\mu\text{g kg}^{-1}\text{h}^{-1}$ for a chemical substance in a chamber test is calculated using the equation below: $\text{EF}=(Q(C-C_0))/W$ Where C is the chamber concentration of the substance ($\mu\text{g}/\text{m}^3$) and c_0 is the corresponding substrate or chamber blank concentration ($\mu\text{g}/\text{m}^3$).The other parameters are defined in test conditions.					
估算浓度 Estimated Building Concentrations	建立模型的参数 Modeling Parameters for building Products: CDPH/EHLB/Standard Method Version 1.2 describes the modeling procedures and parameters for estimating the impact of VOC emissions from a building product on indoor air concentrations in a standard classroom and a standard office space.The dimensions and ventilation of the spaces and the exposed surface areas of major materials are prescribed.The modeling scenario(s) and parameters applicable to this test are list below:					
	参数 Parameter	符号 Symbol	单位 Units	数值 Value		
				Classroom	Office	
	Product exposed area	A_B	m^2	89.2	11.1	
	Outdoor air (OA) flow rate	Q_B	m^3/h	191	20.7	
	Area-specific air flow rate	q_{IA}	m/h	2.14	1.86	
The estimated building concentration,CBi($\mu\text{g}/\text{m}^3$),of a target VOC is calculated using the equation below: $\text{CBI}=(\text{EF}\times W /A_C\times A_B)/Q_B=\text{EF}\times W /A_C /(Q_B/A_B)$ Apply the adhesive amount per unit area in $326.3 \text{ g} / \text{m}^2$.						
VOC 测试结果 VOC Emission Test Results	表1 24h和48h环境舱内有害物质浓度和释放因子 Table 1 Chamber concentrations and emission factors(24h and 48h)					
	参数名称 Compound Name	CAS号 CAS No.	浓度 ($\mu\text{g}/\text{m}^3$) Chamber Concentration		释放因子 ($\mu\text{g kg}^{-1}\text{h}^{-1}$) Emission Factor	
			24h	48h	24h	48h
	TVOC	—	972.39	957.22	4403.28	4334.58
	甲醛 Formaldehyde	50-00-0	LOQ	LOQ	—	—

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VOC 测试结果 VOC Emission Test Results Continued				
表2.1 96h舱内目标化合物浓度及释放因子 Table 2.1 Chamber concentrations of target VOC and emission factors (96h)				
化合物名称 Compound Name	CAS号 CAS No.	浓度 (µg/m³) Chamber Concentration	释放因子 (µg kg⁻¹h⁻¹) Emission Factor	备注 Remark
甲醛Formaldehyde	50-00-0	LOQ	—	—
四氯化碳Carbon tetrachloride	56-23-5	LOQ	—	—
异丙醇Isopropanol	67-63-0	LOQ	—	—
三氯甲烷Chloroform	67-66-3	LOQ	—	—
N,N-二甲基甲酰胺Dimethylformamide(N,N-)	68-12-2	LOQ	—	—
苯Benzene	71-43-2	LOQ	—	—
三氯乙烷Methyl chloroform	71-55-6	LOQ	—	—
乙醛Acetaldehyde	75-07-0	LOQ	—	—
二氯甲烷Methylene chloride	75-09-2	LOQ	—	—
二硫化碳Carbon disulfide	75-15-0	LOQ	—	—
1,1-二氯乙烯Dichloroethylene(1,1)	75-35-4	LOQ	—	—
异佛尔酮Isophorone	78-59-1	LOQ	—	—
三氯乙烯Trichloroethylene	79-01-6	LOQ	—	—
萘Naphthalene	91-20-3	LOQ	—	—
乙苯Ethylbenzene	100-41-4	LOQ	—	—
苯乙烯Styrene	100-42-5	LOQ	—	—
1,4-二氯苯Dichlorobenzene(1,4-)	106-46-7	LOQ	—	—
环氧氯丙烷Epichlorohydrin	106-89-8	LOQ	—	—
乙二醇Ethylene glycol	107-21-1	LOQ	—	—
丙二醇甲醚Propylene glycol monomethyl ether	107-98-2	LOQ	—	—
乙酸乙烯酯 Vinyl acetate	108-05-4	LOQ	—	—
甲苯Toluene	108-88-3	LOQ	—	—
氯苯Chlorobenzene	108-90-7	LOQ	—	—
苯酚Phenol	108-95-2	LOQ	—	—
乙二醇单甲醚Ethylene glycol monomethyl ether	109-86-4	LOQ	—	—
乙二醇甲醚乙酸酯Ethylene glycol monomethyl ether acetate	110-49-6	LOQ	—	—
正己烷Hexane(n-)	110-54-3	LOQ	—	—

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VOC 测试结果 VOC Emission Test Results Continued				
表2.1 96h舱内目标化合物浓度及释放因子 Table 2.1 Chamber concentrations of target VOC and emission factors (96h)				
化合物名称 Compound Name	CAS号 CAS No.	浓度 ($\mu\text{g}/\text{m}^3$) Chamber Concentration	释放因子 ($\mu\text{g kg}^{-1}\text{h}^{-1}$) Emission Factor	备注 Remark
乙二醇单乙醚Ethylene glycol monoethyl ether	110-80-5	LOQ	—	—
乙二醇乙醚乙酸酯Ethylene glycol monoethyl ether acetate	111-15-9	LOQ	—	—
二噁烷Dioxane(1,4-)	123-91-1	LOQ	—	—
四氯乙烯Tetrachloroethylene	127-18-4	LOQ	—	—
甲基叔丁基醚Methyl t-butyl ether	1634-04-4	LOQ	—	—
二甲苯(间,邻,对二甲苯混合)(m-,o-,p-xylene combined)	(108-38-3,95-47-6,106-42-3)	LOQ	—	—
表2.2 96h舱内其他化合物浓度及释放因子 Table 2.2 Chamber concentrations of others VOC and emission factors (96h)				
化合物名称 Compound Name	CAS号 CAS No.	浓度 ($\mu\text{g}/\text{m}^3$) Chamber Concentration	释放因子 ($\mu\text{g kg}^{-1}\text{h}^{-1}$) Emission Factor	备注 Remark
二乙二醇丁醚Butyldiglycol	112-34-5	54.35	246.12	—
二乙二醇丁醚醋酸酯2-(2-Butoxyethoxy)ethyl acetate	124-17-4	719.15	3256.51	—
不确定组分Unidentified Compound	—	89.05	403.24	—
总挥发性有机化合物TVOC	—	862.55	3905.87	—
备注remarks:	VOC _s 检测限为 $2\mu\text{g}/\text{m}^3$ 。 Lower limit of quantitation (LOQ) for individual VOC _s is $2\mu\text{g}/\text{m}^3$.			

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VOC 测试结果 VOC Emission Test Results Continued

表3.1 目标化合物估算浓度结果评价

Table 3.1 Concentration estimation and results evaluation of target VOC

化合物名称 Compound Name	CAS号 CAS No.	允许浓度 Allowable Value ($\mu\text{g}/\text{m}^3$)	教室估算 结果 Standard classroom Estimated Value ($\mu\text{g}/\text{m}^3$)	教室估算结果 判定 Conclusions of Standard classroom Estimated Value (Pass/Fail)	私人办公室 估算结果 Standard office Estimated Value ($\mu\text{g}/\text{m}^3$)	私人办公室估 算结果判定 Conclusions of Standard office Estimated Value (Pass/Fail)
甲醛Formaldehyde	50-00-0	9	—	—	—	—
四氯化碳Carbon tetrachl oride	56-23-5	20	—	—	—	—
异丙醇Isopropanol	67-63-0	3500	—	—	—	—
三氯甲烷Chloroform	67-66-3	150	—	—	—	—
N,N-二甲基甲酰胺Dimethy lformamide (N,N-)	68-12-2	40	—	—	—	—
苯Benzene	71-43-2	1.5	—	—	—	—
三氯乙烷Methyl chlorofo rm	71-55-6	500	—	—	—	—
乙醛Acetaldehyde	75-07-0	70	—	—	—	—
二氯甲烷Methylene chlor ide	75-09-2	200	—	—	—	—
二硫化碳Carbon disulfid e	75-15-0	400	—	—	—	—
1,1-二氯乙烯Dichloroeth ylene (1,1)	75-35-4	35	—	—	—	—
异佛尔酮Isophorone	78-59-1	1000	—	—	—	—
三氯乙烯Trichloroethyle ne	79-01-6	300	—	—	—	—
萘Naphthalene	91-20-3	4.5	—	—	—	—
乙苯Ethylbenzene	100-41-4	1000	—	—	—	—
苯乙烯Styrene	100-42-5	450	—	—	—	—
1,4-二氯苯Dichlorobenze ne (1,4-)	106-46-7	400	—	—	—	—

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VOC 测试结果 VOC Emission Test Results Continued

表3.1 目标化合物估算浓度结果评价
Table 3.1 Concentration estimation and results evaluation of target VOC

化合物名称 Compound Name	CAS号 CAS No.	允许浓度 Allowable Value ($\mu\text{g}/\text{m}^3$)	教室估算 结果 Standard classroom Estimated Value ($\mu\text{g}/\text{m}^3$)	教室估算结果 判定 Conclusions of Standard classroom Estimated Value (Pass/Fail)	私人办公室 估算结果 Standard office Estimated Value ($\mu\text{g}/\text{m}^3$)	私人办公室估 算结果判定 Conclusions of Standard office Estimated Value (Pass/Fail)
环氧氯丙烷Epichlorohydrin	106-89-8	1.5	—	—	—	—
乙二醇Ethylene glycol	107-21-1	200	—	—	—	—
丙二醇甲醚Propylene glycol monomethyl ether	107-98-2	3500	—	—	—	—
乙酸乙烯酯 Vinyl acetate	108-05-4	100	—	—	—	—
甲苯Toluene	108-88-3	150	—	—	—	—
氯苯Chlorobenzene	108-90-7	500	—	—	—	—
苯酚Phenol	108-95-2	100	—	—	—	—
乙二醇单甲醚Ethylene glycol monomethyl ether	109-86-4	30	—	—	—	—
乙二醇甲醚乙酸酯Ethylene glycol monomethyl ether acetate	110-49-6	45	—	—	—	—
正己烷Hexane(n-)	110-54-3	3500	—	—	—	—
乙二醇单乙醚Ethylene glycol monoethyl ether	110-80-5	35	—	—	—	—
乙二醇乙醚乙酸酯Ethylene glycol monoethyl ether acetate	111-15-9	150	—	—	—	—
二噁烷Dioxane(1,4-)	123-91-1	1500	—	—	—	—
四氯乙烯Tetrachloroethylene	127-18-4	17.5	—	—	—	—
甲基叔丁基醚Methyl t-butyl ether	1634-04-4	4000	—	—	—	—
二甲苯(间, 邻, 对二甲苯混合)(m-, o-, p-xylene combined)	(108-38-3,95-47-6,106-42-3)	350	—	—	—	—

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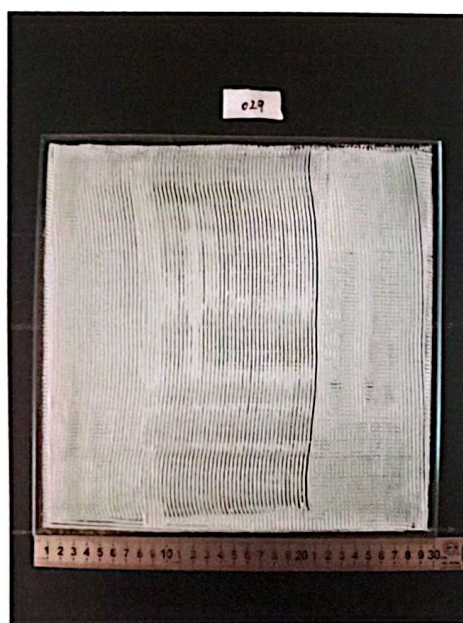
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VOC 测试结果 VOC Emission Test Results Continued						
表3.2 其他化合物估算浓度结果评价 Table 3.2 Concentration estimation and results evaluation of others VOC						
化合物名称 Compound Name	CAS号 CAS No.	允许浓度 Allowable Value ($\mu\text{g}/\text{m}^3$)	教室估算 结果 Standard classroom Estimated Value ($\mu\text{g}/\text{m}^3$)	教室估算结果 判定 Conclusions of Standard classroom Estimated Value (Pass/Fail)	私人办公室 估算结果 Standard office Estimated Value ($\mu\text{g}/\text{m}^3$)	私人办公室估 算结果判定 Conclusions of Standard office Estimated Value (Pass/Fail)
乙二醇丁醚Butyldiglyc ol	112-34-5	—	37.5	—	43.2	—
乙二醇丁醚醋酸酯2-(2- Butoxyethoxy)ethyl acet ate	124-17-4	—	496.5	—	571.2	—
不确定组分Unidentified Compound	—	—	61.5	—	70.7	—
总挥发性有机化合物TVOC	—	—	595.5	—	685.1	—

检验检测报告附图附照专用表

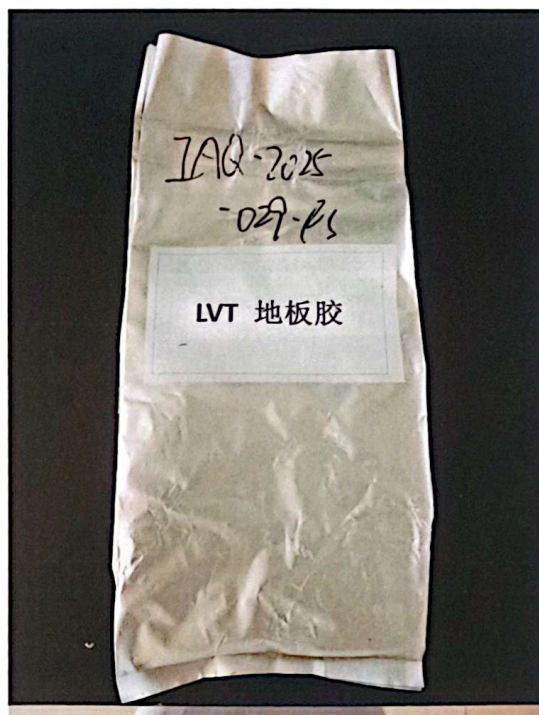
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检验检测报告附图附照专用表

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Sample COC forms has three copies, one copy for company, one copy for auditor, one copy for the testing lab

FLOORSCORE Samples COC Form

(抽样单)



1、测试要求 Testing Information (委托单位填写)

单号 Form No.	ASM-FS-2025-Initial-0523-S2		
委托单位名称 (英文) Client English Name	北京绿奥诺技术有限公司 Green Panel Corporation		
地址 (英文) Company English Address	Room 914, Office Tower 3, Henderson Center, 18 Jianguomen Inner Street, Dongcheng District, Beijing, China	邮编 Zip Code	100005
联系人 Contact Person	马恩	联系电话 Tel. Number	13717971224
测试项目 Testing Item	VOC Emission		
测试标准 Standard	☒ CDPH/EHLB Standard Method V1.2 ☐ ANSI/BIFMA M7.1-2011		
模拟场景 Modeling scenario	Office & Classroom		

2、生产单位信息 Company Information (生产单位填写)

单位名称 (英文) Company English Name	Anhui Surmount New Materials Co., Ltd. 安徽斯迈特新材料股份有限公司		
联系人 Contact Person	李羽倩	职位 Title	Manager
联系电话 Tel. Number	153 6518 1226	邮箱 Email	liyuqian@ahsmt.net
地址 (英文) Company English Address	Wei 2 Rd, Laian County Industrial Park, Chuzhou, Anhui, China 中国安徽省滁州市伟二路来安县工业园	邮编 Zip Code	/

3、样品信息 Samples Information (生产单位填写)

产品名称 Product Name/ Product Line	Acrylic Flooring Adhesive	规格 The size	1.5kg/bag
产品类别 Product Category	Flooring Adhesive	商标 Brand	/
生产时间 Manufactured Date	2025/5/19	数量 Quantity	1.5kg
抽样日期和时间 Sampling date & time	2025/5/23 9:00	产品识别码 Sample Tracking ID	TE0519
抽样地点 Collection Location within Plant	Warehouse	抽样基数 Sampling Base	1320kg
备注 (Remarks)	油漆、其他涂料和底漆类：标准 1 夸脱或 1 加仑消费品容器 Paints, other coatings and primers: original, standard 1-quart or 1-gallon consumer containers. 以固定涂量制备试件后的测试结果计算产品单位面积释放因子。 Note: The product emission factor per unit area is calculated from the test results after the preparation of specimens with fixed mass of adhesive to be applied.		

Sample COC forms has three copies, one copy for company, one copy for auditor, one copy for the testing lab

4、包装运输 Shipping Information (抽样人员填写)

包装人 Packed By	Mr. Li	封样方式 Sealed type	☒ Aluminum foil vacuum bag 铝箔真空袋
承运单位 Carrier	SF	运单号码 Air bill Number	SF1550142934742
交付日期 Shipping Date	2025.5.24		
备注 (Remarks)	包装运输要求: 采用两层耐用的纸铝箔密封样品, 保证包装内的空气空间最小化和间隙最小化, 使用透明打包带纸包装样品, 以确保气密性。将标签贴在铝箔包装上, 然后将样品用聚乙烯或聚酯薄膜袋包装, 抽样单放入包装内。采集和包装之间间隔不应超过一个小时, 并确保样品采集后24小时内寄出。 Packing & Shipping Requirements: Seal the samples with two layers of heavy-duty aluminum foil so the air space within the package is minimized and the seams are crimped to create an airtight seal. Use clear packaging tape to assure that the package is airtight. Label the foil package and place in a clear polyethylene or Mylar bag. No more than one hour shall elapse between collection and packaging. within 24 hours of sample collection. This COC form should be put into the samples.		

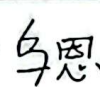
5、SCS 认证人员信息 SCS Auditor Contact Information

联系人 Contact Person	乌恩 Wu En	职位 Title	Auditor
联系电话 Tel.	010-64200118	邮箱 Email	wue@woodbasedpanel.com

Person in charge of enterprise (Signature):



The auditor (Signature):



6、实验室信息 Laboratory Receiving Information (实验室填写)

收样人 Received By	马耀	收样日期 Received Date	2025.5.26
样品包装状态 Condition of Shipping Package	☒ 完好 Intact ☐ 损坏 Damaged	样品状态 Condition of Sample	☒ 完好 Intact ☐ 损坏 Damaged
样品编号 Lab sample tracking number	IAQ-2025-029-PS	封样形式和材料 Types of Air-tight Containers or Seals	☒ Aluminum foil vacuum bag 铝箔真空袋
备注 (Remarks)	The lab Name: 北京市产品质量监督检验研究院 (国家家具及室内环境质量检验检测中心) Beijing Products Quality Supervision and Inspection Institute (National Center for Quality Inspection and Testing of Furniture & Indoor Environment) The address: 中国·北京市亦庄经济技术开发区科创三街7号 No.7 Kechuangsan Road, Beijing Economic and Technological Development Area, Beijing, China Zip Code: 100176 Tel.: 010-67832820-101, 010-67809800 Contact Person: 马耀 Ma Yao 15010263627		