



中国认可  
国际互认  
检测  
TESTING  
CNAS L0811

# 检验检测报告

## TEST REPORT

No. ZX-WJJ23-2625

样品名称 Product	饰面刨花板
委托单位 Customer	江苏靓时新材料科技股份有限公司
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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- 1.The Institute(Center) is a third-party product quality inspection and testing agency established in accordance with the law.
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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	饰面刨花板
	产品类别 Product category	/
	规格及数量 The size(L×W×T) mm/Quantity (piece)	18mm精板F4饰面刨花板/4块
	生产日期 Date sample manufactured	20231110
	产品识别码 Sample Tracking ID	20231119A2
	抽样日期 Date sample collected	/
	到样日期 Date sample received by lab	2023.12.04
	收样状态 Condition of received sample	完好 intact
	样品编号 Lab sample tracking number	ZX-WJJ23-2625
	调质日期 Conditioning start Date & duration	240±5小时 (2023年12月14日9时至2023年12月24日9时)
	舱内测试日期 Chamber test start Date & duration	2023年12月24日9时至2023年12月28日11时
	检验日期 Total test start Date & duration	2023年12月14日至2024年01月05日
委托单位信息 Customer information	名称 Manufacturer or organization	江苏靓时新材料科技股份有限公司
	地址 Address	/
	联系人/职位 Contact name/ Title	闫金金/-
	联系电话 Phone Number	13961409998
生产单位信息 Manufacturer Information	名称 Manufacturer	江苏靓时新材料科技股份有限公司
	地址 Manufacturing Location	/
	联系人及电话 Contact name/ Phone Number	闫金金/13961409998
包装运输 Shipping Information	包装人 Packed By	/
	封样方式 Sealed type	/
	运输日期 Shipping date	/
	承运单位 Carrier	/
	运单号码 Air Number	/
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	辅料
检验结果 Test results	检验结果详见附页。 Test results see attachment.	检验检测专用章 (Test Stamp) 签发日期 2024年01月16日 Date Issued: 2024.01.16
备注 Remarks	委托方要求不做估算浓度计算及评价。The client requires no concentration estimation and evaluation.	
批准: 孙丽华 Approved by	孙丽华	审核: 赵静 Inspected by 赵静
		编制: 王亚辉 Compiled by 王亚辉

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<b>测试方法</b> 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 5116-06 and ISO 16000-9:2011			
<b>测试条件</b> 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 <sub>c</sub>	m <sup>2</sup>	0.084
	舱体积Chamber Volume	V <sub>c</sub>	m <sup>3</sup>	0.120
	承载率Loading ratio	L <sub>c</sub>	m <sup>2</sup> /m <sup>3</sup>	0.698
	换气率Air change rate	a <sub>c</sub>	h <sup>-1</sup>	(1.0±0.1)
	进气流量Inlet flow rate	Q	m <sup>3</sup> /h	0.120
	表面风速Area specific flow rate	q <sub>A</sub>	m/h	1.432
	温度Temperature	T	°C	(23±0.5)
	相对湿度Relative humidity	RH	%	(50±5)
<b>试件制备</b> Test Specimen Preparation	Cut a 289 mm by 290 mm specimen from the product sample, and used aluminum tape sealing all of the edges surface. The test results presented herein are specific to this item.			
<b>样品采集方法</b> 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, 48h 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 <sub>1</sub> -C <sub>6</sub> )	
	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	
<b>分析设备</b> equipment	Aldehydes (C <sub>1</sub> -C <sub>6</sub> ): HPLC-SPD-M20A A-LH-750 VOC: TD-GC/MS ZX-390 ZX-Z-029			

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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 $\mu\text{g m}^{-2}\text{h}^{-1}$ for a chemical substance in a chamber test is calculated using the equation below: $EF = (Q(C - C_0)) / A_c$ 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	$A_B$	$\text{m}^2$	89.2	11.1	
	Outdoor air (OA) flow rate	$Q_B$	$\text{m}^3/\text{h}$	191	20.7	
Area-specific air flow rate	$q_{IA}$	$\text{m}/\text{h}$	2.14	1.86		
The estimated building concentration, $C_{Bi}$ ( $\mu\text{g}/\text{m}^3$ ), of a target VOC is calculated using the equation below: $C_{Bi} = (EF \times A_B) / Q_B = EF / (Q_B / A_B) = EF / q_{IA}$						
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 ( $\mu\text{g m}^{-2}\text{h}^{-1}$ ) Emission Factor	
			24h	48h	24h	48h
	TVOC	—	11.92	11.01	17.07	15.76
甲醛 Formaldehyde	50-00-0	4.94	4.70	7.07	6.72	



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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/m <sup>3</sup> ) Chamber Concentration	释放因子 (μg m <sup>-2</sup> h <sup>-1</sup> ) Emission Factor	备注 Remark
甲醛Formaldehyde	50-00-0	4.50	6.45	—
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	—	—

1.4.1  
1.4.2  
1.4.3

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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 ( $\mu\text{g m}^{-2}\text{h}^{-1}$ ) 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 ( $\mu\text{g m}^{-2}\text{h}^{-1}$ ) Emission Factor	备注 Remark
不确定组分Unidentified Compound	—	10.33	14.79	—
总挥发性有机化合物TVOC	—	10.33	14.79	—

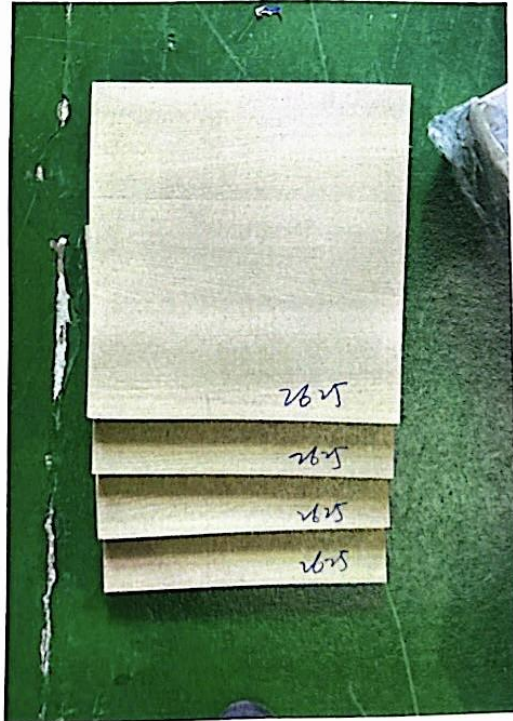
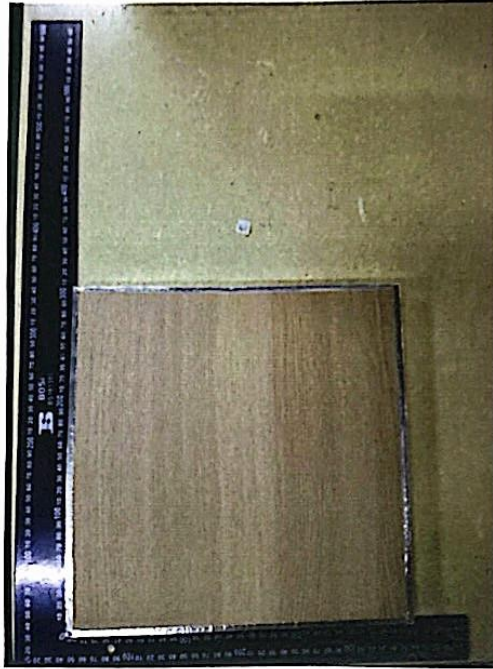
备注remarks:

VOC<sub>s</sub>检测限为 $2\mu\text{g}/\text{m}^3$ 。  
 Lower limit of quantitation (LOQ) for individual VOC<sub>s</sub> is  $2\mu\text{g}/\text{m}^3$ .

北京市产品质量监督检验研究院

# 检验检测报告附图附照专用表

Specific Chart Of Test Report figure or photo



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