

仅用于



仅用于古里工厂环评

统一社会信用代码

91320581336430223M (1/1)

# 营业执照

编号 320581000202212300001



扫描“国家企业信用信息公示系统”了解更多登记、备案、许可、监管信息。

(副本)

名称 江苏亨睿碳纤维科技有限公司

注册资本 8350万美元

类型 有限责任公司(港澳台法人独资)

成立日期 2015年08月28日

法定代表人 顾勇涛

住所 常熟高新技术产业开发区黄山路58号

经营范围 从事碳纤维制品、碳纤维制品生产设备、高技术复合材料、树脂基复合材料的生产、研发、销售自产产品及提供售后服务；提供新材料领域的技术开发、技术咨询、技术服务；从事碳纤维制品及其零部件、碳纤维制品生产设备及其零部件、碳纤维原料的批发、进出口及佣金代理(不含拍卖)(不涉及国营贸易管理商品；涉及配额、许可证管理及专项规定管理商品的，按国家有关规定办理申请)；道路普通货物运输。(依法须经批准的项目，经相关部门批准后方可开展经营活动)  
一般项目：模具制造；模具销售；销售代理(除依法须经批准的项目外，凭营业执照依法自主开展经营活动)

登记机关



2022年12月30日

使用

仅用于古里

环评编制使用

仅用于古里工厂环评编制使用

环评编制使用



# 江苏省投资项目备案证

备案证号：常高管投备〔2024〕105号

**项目名称：**新建年产25万件（套）碳纤维制品项目

**项目法人单位：**江苏亨睿碳纤维科技有限公司

**项目代码：**2403-320572-89-01-734845

**项目法人单位性质：**港澳台投资企业

**建设地点：**江苏省：苏州市常熟高新技术产业开发区常熟高新区铁琴南路以西、青墩塘路以南

**项目总投资：**25550万元

**投资方式：**新建项目

**拟进口设备数量及金额：**进口设备14套，金额800万美元

**项目建设期：**（2024-2025）

**建设规模及内容：**利用原有建筑47000平方米，购置相关设备，年产25万件（套）碳纤维制品。项目不得生产国家产业政策禁止、淘汰、限制的产品，不得使用国家明令禁止、限制、淘汰的工艺、设备；项目需按国家和省相关规定办理节能、环评、安评及职业卫生等相关手续后方可开工。

**项目法人单位承诺：**对备案项目信息的真实性、合法性和完整性负责；项目符合国家产业政策，符合外商投资准入负面清单规定；依法依规办理各项报建审批手续后开工建设；如有违规情况，愿承担相关的法律责任。

**安全生产要求：**要强化安全生产管理，按照相关规章制度压实项目建设单位及相关责任主体安全生产及监管责任，严防安全生产事故发生；要加强施工环境分析，认真排查并及时消除项目本身与周边设施相交相邻等可能存在的安全隐患，保障施工安全。

常熟高新技术产业开发区管理委员会

2024-03-11

# 登记信息单

项目已完成备案 项目代码: 2403-320572-89-01-734845

(本代码仅作为项目建设周期内的身份标识, 不作为项目立项的依据。)

一、项目信息				
项目名称	新建年产25万件(套)碳纤维制品项目			
项目属性	民间投资			
项目类型	基本建设项目			
外资项目类型	备案(包括重大事项变化)			
是否涉及国家安全	否			
投资方式	新建项目			
项目内容	利用原有建筑47000平方米, 购置相关设备, 年产25万件(套)碳纤维制品。项目不得生产国家产业政策禁止、淘汰、限制的产品, 不得使用国家明令禁止、限制、淘汰的工艺、设备; 项目需按国家和省相关规定办理节能、环评、安评及职业卫生等相关手续后方可开工。			
适用产业政策条目类型	允许类	适用产业政策条目		
国标行业	制造业 - 非金属矿物制品业 - 石墨及其他非金属矿物制品制造 - 石墨及碳素制品制造	所属行业	汽车	
项目地址	江苏省: 苏州市_常熟高新技术产业开发区 常熟高新区铁琴南路以西、青墩塘路以南			
总投资(万元)	25550	折合美元(万元)	3549.0054	
使用的汇率(人民币/美元)	7.1992			
项目资本金(万元)	7665	折合美元(万元)	1064.7016	
使用的汇率(人民币/美元)	7.1992			
项目资本金出资情况				
投资者名称	注册国别地区	出资额(万元)	出资比例%	出资方式
江苏亨睿碳纤维科技有限公司	中国	7665	100	自有资金
是否涉及新增固定资产投资	是	土地获取方式	自有土地	
总用地面积(平方米)	42273	总建筑面积(平方米)	47000	
预计开工时间(年)	2024	预计竣工时间(年)	2025	
是否新增设备	是	其中: 拟进口设备数量及金额	进口设备14套, 金额800万美元	

项目单位是否筹建中	否		
项目目录分类	外商投资项目		
项目目录	县（市、区）政府投资主管部门权限内外资项目备案		
<b>二、项目单位信息</b>			
项目单位名称	江苏亨睿碳纤维科技有限公司	项目单位性质	港澳台投资企业
项目单位证照类型	统一社会信用代码(三证合一)	项目单位证照号码	91320581336430223R
法人代表姓名	顾勇涛		
项目单位注册地址	常熟市高新技术产业开发区黄山路58号		
主要经营范围	从事碳纤维制品、碳纤维制品生产设备、高技术复合材料、树脂基复合材料的生产、研发，销售自产产品及提供售后服务；提供新材料领域的技术开发，技术咨询，技术服务；从事碳纤维制品及其零部件、碳纤维制品生产设备及其零部件、碳纤维原料的批发、进出口及佣金代理(不含拍卖)（不涉及国营贸易管理商品，涉及配额、许可证管理及专项规定管理商品的，按国家有关规定办理申请）；道路普通货物运输。（依法须经批准的项目，经相关部门批准后方可开展经营活动）		
联系人	张辉	联系电话	
联系手机	15501537262	电子邮件	hui.zhang@grouphrc.com
传真		通讯地址	

查询二维码



# 关于江苏亨睿碳纤维科技有限公司 碳纤维复合材料用溶剂型涂料的技术评估

江苏亨睿碳纤维科技有限公司（以下简称江苏亨睿公司）成立于2015年，主要从事碳纤维复合材料零部件产品的研发和制造，现阶段主要面向汽车制造、工业机器人、高端数码、医疗器械、高档消费品、体育休闲用品等多个行业和领域，是一家全球领先的科技型外商独资企业。江苏亨睿公司为目前全球仅有的两家、亚洲唯一具备热固性碳纤维复合材料结构件（如汽车底盘和轮毂）快速批量化成型与制造技术的公司，在全球复合材料行业处于技术领先地位。

江苏亨睿公司计划在常熟市铁琴南路以西、青墩塘路以南地块新建1处工厂，目前已在政府部门备案。新建工厂主要产品为汽车内外饰件（碳纤维制品），该项目符合国家和地方相关产业政策的要求，不属于淘汰类、限制类、禁止类项目。江苏亨睿公司拟在新建厂房内设计涂装线，使用溶剂型涂料进行汽车内外饰件产品（碳纤维复合材料制品）的表面涂装。涂装生产过程涉及VOC排放。

为充分表现碳纤维复合材料的编织纹理效果，用于碳纤维复合材料表面清漆的高光、高透明性尤为重要。该项目设计使用巴斯夫(中国)有限公司提供的923-335高浓度多功能清漆，添加配套的固化剂、稀释剂进行调配后对汽车内外饰件（碳纤维制品）进行喷涂。使用的溶剂型涂料符合《车辆涂料中有害物质限量》(GB24409-2020)相关VOC及其他有害物质含量限值要求。

项目使用溶剂型涂料的喷涂工艺流程主要包括调配、喷涂、流平、烘干等，喷涂工艺流程如下：

**调配：**将清漆、固化剂、稀释剂按比例在调漆室调配，此过程产生的VOC废气通过负压收集后采用高效袋式过滤+RTO处理装置处理后经15米高排气筒排放。

**喷涂：**在设定好的路径将调配后的涂料喷涂在碳纤维复合材料产品上。喷涂区隔离成全封闭喷涂室，以防止漆雾及VOC废气外泄。喷涂过程中产生的漆雾以

及VOC废气通过负压收集后采用高效袋式过滤+RTO处理装置处理后经15米高排气筒排放。

流平：工件喷涂后，在密闭的隧道内运行一定时间，涂膜得以流平。流平过程中产生的VOC废气通过负压收集后采用高效袋式过滤+RTO处理装置处理后经15米高排气筒排放。

烘干：喷涂完成的产品输送至烘干室进行烘干。烘干过程中产生的VOC废气通过负压收集后采用高效袋式过滤+RTO处理装置处理后经15米高排气筒排放。

根据产品质量设计要求，对工件进行三道或两道喷涂。第二道及第三道的涂装工艺与第一道相同，重复以上喷涂、流平、烘干的作业流程。

检验：烘干后的产品经检验合格后流入下一工序。

涂装工作完成后，使用配套稀释剂对喷嘴和喷头等涂装器具进行清洗。此过程在负压密闭的喷涂室内进行，产生的VOC废气通过负压收集后采用高效袋式过滤+RTO处理装置处理后经15米高排气筒排放。溶剂型涂料不能采用水性清洗剂清洗喷涂工具，否则不仅无法清洗干净，导致喷枪堵塞报废，而且会造成严重的涂装质量问题。清洗用稀释剂尽量多次使用或代用于涂装施工，不能代用的残渣、废液按照危废进行收集管理。

本项目调漆室、喷涂室、流平隧道和烘干室等密闭连接，调漆、喷涂、流平、烘干废气采用一套整体室内密闭负压收集装置进行收集，收集后采用高效袋式过滤+RTO处理装置处理后经1根15米高排气筒排放。废气排放能够达到《表面涂装（汽车零部件）大气污染物排放标准》（DB 32/3966-2021）的要求。

为了更好地实现环境友好，江苏亨睿公司对碳纤维复合材料汽车内外饰件的清漆种类进行了调研和选择。

无溶剂涂料由于粘度高，流平性差，装饰效果差，涂装工艺有很大的局限性，不能规模化应用于高性能要求的碳纤维复合材料汽车内外饰件的涂装；粉末涂料

需要高温烘烤固化，无法使用于碳纤维复合材料汽车内外饰件。

溶剂型清漆喷涂成品具有良好的鲜映性、通透度和较高的光泽度，针对碳纤维素材孔隙率高的特点，溶剂型清漆填充性和封孔性相对较好，三道涂装可达到200 $\mu\text{m}$ 左右的厚膜，并具有良好的外观和附着力。溶剂型清漆不仅性能优秀，而且施工适应性好，可通过调节相关的施工参数防止涂膜出现缺陷，在国内外汽车碳纤维制品有长期、成熟的应用，通过汽车主机厂较为严苛的DVP性能测试。

水性涂料与溶剂型涂料相比具有低挥发速率、高表面张力、高导电性、腐蚀性以及易产生气泡的特点。水性涂料的施工及性能与温度和湿度关联很大，常因温湿度及烘干等造成涂装成品出现针孔、气泡、发白等质量问题。水性清漆的施工固含量只有溶剂型清漆的60%左右，需要比溶剂型清漆多施工两道才能达到近似的膜厚，增加人工和能源消耗，效率较低。因膜厚较高，多层清漆堆叠导致涂料中的水挥发不充分，涂膜的层间附着力差，后续涂膜易发生脱层、遇水发白、起泡等缺陷。水性清漆耐候性较差，汽车长期老化性能测试难以通过。大量调研及试验的结果，水性涂料在碳纤维复合材料制品应用的性能与溶剂型涂料还存在明显差距，在多项重要性能指标方面不能达到客户确定的产品标准要求。水性涂料目前无法替代现用的溶剂型清漆应用于江苏亨睿公司的碳纤维复合材料制品。

为汽车配套的碳纤维复合制品，通常对产品的精密度、外观及性能的要求都很高，目前国内外同类碳纤维制品生产企业均使用溶剂型涂料以及与江苏亨睿公司相类似的生产工艺对碳纤维复合材料制品进行涂装。欧洲环保法规更严格的情况下，德国、意大利、英国的一些知名碳纤维制品制造商均依然在使用溶剂型清漆喷涂碳纤维制品。相关的碳纤维复合材料制品用水性涂料品种仍在进一步研发中，达到工业化规模应用还需一定的过程。

鉴于目前碳纤维复合材料专用涂料产品的技术状况，对江苏亨睿碳纤维科技有限公司碳纤维复合材料用涂料和工艺规程提出以下技术评估结果和建议：

1、江苏亨睿公司生产的碳纤维复合制品主要配套供货用于汽车，使用的涂料品种和涂装工艺对产品的性能至关重要。粉末涂料和无溶剂涂料不适合碳纤维复合制品的高装饰性涂装，水性涂料由于性能的差距目前无法替代现用碳纤维复合材料专用溶剂型清漆。江苏亨睿公司在碳纤维复合制品涂装生产中仍需要使用溶剂型清漆及配套稀释剂。建议江苏亨睿公司在溶剂型清漆及配套稀释剂使用过程中加强管理，严格控制有机溶剂的用量。

2、江苏亨睿公司生产过程应采用先进的涂装工艺和生产设备，防止 VOC 废气无组织排放。严格在密闭的负压状态下进行涂料调配、喷涂、干燥等涂装生产作业，对各生产环节产生的 VOC 废气通过负压收集并采用高效袋式过滤+RTO 进行高效处理，VOC 废气处理后完全达到排放要求再进行排放。生产中涉及到危险废弃物的，严格按照规定申报、收集并交给有资质的专业单位进行处理。

3、江苏亨睿公司在项目建设和生产过程应严格遵守安全、环保的法律法规及地方政府的要求，采取必要的安全、环保防范及处理措施，确保安全环保设施有效运行。

4、为了持续改进和提高企业的环境管理水平，节约资源，减少排放，建议江苏亨睿公司今后进一步发挥专业优势，与技术领先的碳纤维复合材料专用涂料生产企业及研究单位合作，开展包括水性涂料在内的各类更加环境友好的涂料的试验应用工作，一旦有对环境更加友好的碳纤维复合制品专用涂料产品研发成功，立即与重要客户沟通协调，以落实将其应用于生产。

江苏省涂料行业协会

2023 年 10 月 26 日



## 关于江苏亨睿碳纤维科技有限公司新建年产 25 万件（套）碳纤维制品项目使用溶剂型涂料、清洗剂、胶粘剂的专家咨询意见

江苏亨睿碳纤维科技有限公司（以下简称“亨睿公司”）拟在常熟市铁琴南路以西、青墩塘路以南地块建设年产 25 万件（套）碳纤维制品项目。本项目碳纤维产品为汽车外饰件、内饰件等，生产过程中产品表面需要使用涂料进行喷涂，喷涂过程涉及使用溶剂型涂料及其配套固化剂、稀释剂；清洁工序需要使用酒精、异丙醇对半产品表面粉尘或脏污进行擦拭清洁，模具清洗工序需要使用异丙醇清洗，胶接固化工序需要使用胶粘剂 460、J-133。根据常环发[2021]118 号规定要求及亨睿公司提供的项目报告、相关物质的 MSDS、VOC 含量检测报告等材料，形成专家咨询意见如下：

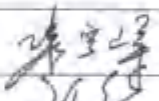
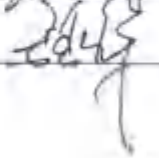
一、该项目生产中需使用的溶剂型涂料及其配套固化剂、稀释剂，根据建设单位提供的检测报告，本项目涂料（施工状态下）符合《车辆涂料中有害物质限量》（GB 24409-2020）表 2 溶剂型涂料相关标准限值要求，酒精、异丙醇符合《清洗剂挥发性有机化合物含量限值》（GB38508-2020）表 1 有机溶剂清洗剂的 VOC 含量限值，胶粘剂符合《胶粘剂挥发性有机化合物限量》（GB 33372-2020）表 3 本体型胶粘剂的 VOC 含量限值。

二、为保证本项目产品质量同时满足工艺生产要求，涂装生产过程中必须使用溶剂型涂料及其配套固化剂、稀释剂，无水性涂料、水基或半水基涂装材料可替代；根据本项目的生产工艺在清洁、清洗过程需使用酒精、异丙醇作为清洗剂，目前无水基、半水基清洗剂可替代。

三、建设单位应加大新工艺的研发投入，同时关注涂料和清洗剂市场新技术的发展，在条件允许成熟的情况，无条件使用 VOC 含量更低、更为清洁的涂料和清洗剂。

二〇二三年三月九日

专家组成员表

专家姓名	单位	职称	签字
张宇峰	南京工业大学	教授	
魏永军	江苏省环保集团有限公司	正高	

## 检测报告

编号: ESZ2302130272C00109R

日期: 2023年02月20日

第1页共4页

委托单位 : 江苏亨睿碳纤维科技有限公司

地址 : 江苏省常熟市东南技术开发区黄山路58号

以下检测之样品及样品信息是由申请者提供并确认

样品名称 : 清漆

型号 : /

接收日期 : 2023年02月14日

检测周期 : 2023年02月14日~2023年02月20日

检测概要 :

检测项目	结论
挥发性有机化合物 (VOCs)	符合

注: 符合 (Pass); 不符合 (Fail); 不评价或仅提供检测结果 (N/A)

编制:

秦婷

秦婷, Maria

助理工程师

审核:

杜适

杜适, Damon

测试主管

签发:

姜宇锋

姜宇锋, Jason

授权签字人

2023年02月20日

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you presented. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

## 检测报告

编号: ESZ2302130272C00109R

日期: 2023年02月20日

第2页共4页

样品描述(以下检测之样品及样品信息是由申请者提供并确认)

样品序号	样品编号	数量	供应商
01	E2302130272-09	1pc	巴斯夫

检测结果汇总

## 1. 挥发性有机化合物 (VOCs)

## 1.1 检测方法

检测项目	测试方法
挥发性有机化合物 (VOCs)	GB 24409-2020

## 1.2 检测设备

设备名称	厂家	型号
分析天平	梅特勒-托利多	XS204
电热恒温鼓风干燥机	精宏	DHG-9053A
水分测定仪	万通	870KF Titrimo plus

## 1.3 检测结果: 限值依据 GB 24409-2020 表 2

检测项目	结果 (g/L)	MDL (g/L)	限值 (g/L)
	01		(摩托车(含电动摩托车)和自行车(含电动自行车)涂料、车辆用零部件涂料(载货汽车除外)-内饰件用涂料-底漆)
挥发性有机化合物 (VOCs)	445.3	1.0	≤670

检测项目	结果 (g/L)	MDL (g/L)	限值 (g/L)
	01		(摩托车(含电动摩托车)和自行车(含电动自行车)涂料、车辆用零部件涂料(载货汽车除外)-内饰件用涂料-底色漆)
挥发性有机化合物 (VOCs)	445.3	1.0	≤770

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

# 检测报告

编号: ESZ2302130272C00109R

日期: 2023 年 02 月 20 日

第 4 页 共 4 页

## 声明 Statement

1. 本检测报告首页所列信息中除样品来源、接样日期、检测日期、检测结果和检测结论外，均由委托方提供，委托方对样品的代表性和资料的真实性负责，本实验室不承担任何相关责任。  
The information as listed on the first page of this test report was all provided by the client except the sample from, date received, test period, test results and test conclusion. The client shall be responsible for the representativeness of sample and authenticity of materials, for which EMTEK shall bear no responsibilities.
2. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，特别约定、标准或规范中有明确规定的除外。此种判定方式所带来的风险由客户自行承担，本实验室不承担相关责任。  
The judgment method of determining the conformity in this test report is according to the measured value without considering the risk caused by uncertainty, unless otherwise clearly stipulated in special agreement, standard or specification. The client shall assume the risk caused by the judgment method, and EMTEK shall not bear related responsibilities.
3. 检测报告无批准人签字及“检验检测专用章”无效，未经本实验室书面同意，不得整体或部分复制本报告。  
The test report is effective only with both signature and specialized stamp. Without written approval of EMTEK, this report can't be reproduced in full or in part.
4. 本检测报告的检测结果仅对送测样品负责，未加盖资质认定标志的检测报告不对社会具有公证证明作用，对于检测数据、结果的使用，所产生的直接或间接损失及一切法律后果，本实验室不承担任何经济和法律后果。  
This test data is only responsible for the tested sample. The data and results provided by the report without CMA accreditation are not to prove to the society, and EMTEK is not responsible for any economic and legal responsibility for the use of the test data, the direct or indirect losses resulting from the use of the test and all legal consequences.
5. 本检测报告中检测项目标注有下划线则该项目不在本实验室资质认定能力范围内，该项目检测结果仅作为客户委托、科研、教学或内部质量控制等目的使用。  
The underlined test item in the report is out of the scope of CMA accreditation. The test result only used for client's requirement, scientific researching, teaching or internal quality control.
6. 其它声明请查阅报告页脚及书面报告尾页。  
For other statements, please refer to the footer of the report.

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



## 签发测试报告条款 Conditions of Issuance of Test Reports

1. 苏州市信测标准技术服务有限公司（以下简称[本公司]）为提供符合下述条款的测试和报告，而接受有关样品和货品。本公司基于下述条款提供服务，下述条款为本公司与申请服务的个人、企业或公司（以下简称[客户]）的协议。  
All samples and goods are accepted by the EMTEK(Suzhou) Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").
2. 由此测试申请所发出的任何报告（以下简称[报告]），本公司会严格为客户保密。未经本公司的书面同意，报告的整体或部分不得复制，也不得用于广告或授权的其他用途。然而，客户可以将本公司印制的报告或认可的副本，向其客户、供货商或直接相关的其他人出示或提交。除非相关政府部门、法律或法规要求，否则未经客户同意，本公司不得将报告内容向任何第三方讨论或披露。  
Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. 除非相关政府部门、法律或法院要求，否则未经公司预先书面同意，本公司毋庸，也并无义务到法院对有关报告作证。  
The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. 如果本公司确定报告被不当地使用，本公司保留撤回报告的权利，并有权要求其它适当的额外赔偿。  
In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. 本公司接受样品进行测试的前提是，该测试报告不能作为针对本公司法律行动的依据。  
Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. 如因使用本公司中心任何报告内的资料，或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害，本公司概不负责。  
The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. 若需要在法院审理程序或者仲裁过程中使用测试报告，客户必须在提交测试样品前将该意图告知本公司。  
Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. 该测试报告的支持数据和信息本公司保存 10 年。个别评审机构有特别要求的，检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限，数据和信息将被处理掉。任何情况下，本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害，本公司在任何情况下也不必承担任何损害，包括（但不限于）补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权（包括疏忽）、产品责任或其他原因的惩罚性损害。  
Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



## 检测报告

编号: ESZ2302130272C00101R

日期: 2023年02月20日

第1页共4页

委托单位 : 江苏亨睿碳纤维科技有限公司

地址 : 江苏省常熟市东南技术开发区黄山路58号

以下检测之样品及样品信息是由申请者提供并确认

样品名称 : 酒精

型号 : /

接收日期 : 2023年02月14日

检测周期 : 2023年02月14日~2023年02月20日

检测概要 :

检测项目	结论
挥发性有机化合物 (VOCs)	符合

注: 符合 (Pass); 不符合 (Fail); 不评价或仅提供检测结果 (N/A)

编制:

秦婷

秦婷, Maria

助理工程师

审核:

杜适

杜适, Damon

测试主管

签发:

姜宇锋

姜宇锋, Jason

授权签字人

2023年02月20日

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you presented. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

# 检测报告

编号: ESZ2302130272C00101R

日期: 2023 年 02 月 20 日

第 2 页 共 4 页

样品描述(以下检测之样品及样品信息是由申请者提供并确认)

样品序号	样品编号	数量	供应商
01	E2302130272-01	1pc	永华化学

## 检测结果汇总

### 1. 挥发性有机化合物 (VOCs)

#### 1.1 检测方法

检测项目	测试方法
挥发性有机化合物 (VOCs)	GB 38508-2020

#### 1.2 检测设备

设备名称	厂家	型号
分析天平	梅特勒-托利多	XS204
电热恒温鼓风干燥机	精宏	DHG-9053A

#### 1.3 检测结果: 限值依照标准 GB 38508-2020 中表 1

检测项目	结果(g/L)	MDL (g/L)	限值 (g/L) (有机溶剂清洗剂)
	01		
挥发性有机化合物 (VOCs)	788.0	1.0	≤900

#### 备注

- 1) N.D. = 未检测到 (小于 MDL)
- 2) MDL = 方法检出限。

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



# 检测报告

编号: ESZ2302130272C00101R

日期: 2023 年 02 月 20 日

第 4 页 共 4 页

## 声明 Statement

- 1.本检测报告首页所列信息中除样品来源、接样日期、检测日期、检测结果和检测结论外，均由委托方提供，委托方对样品的代表性和资料的真实性负责，本实验室不承担任何相关责任。  
The information as listed on the first page of this test report was all provided by the client except the sample from, date received, test period, test results and test conclusion. The client shall be responsible for the representativeness of sample and authenticity of materials, for which EMTEK shall bear no responsibilities.
- 2.本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，特别约定、标准或规范中有明确规定的除外。此种判定方式所带来的风险由客户自行承担，本实验室不承担相关责任。  
The judgment method of determining the conformity in this test report is according to the measured value without considering the risk caused by uncertainty, unless otherwise clearly stipulated in special agreement, standard or specification. The client shall assume the risk caused by the judgment method, and EMTEK shall not bear related responsibilities.
3. 检测报告无批准人签字及“检验检测专用章”无效，未经本实验室书面同意，不得整体或部分复制本报告。  
The test report is effective only with both signature and specialized stamp. Without written approval of EMTEK, this report can't be reproduced in full or in part.
- 4.本检测报告的检测结果仅对送测样品负责，未加盖资质认定标志的检测报告不对社会具有公证证明作用，对于检测数据、结果的使用，所产生的直接或间接损失及一切法律后果，本实验室不承担任何经济和法律后果。  
This test data is only responsible for the tested sample. The data and results provided by the report without CMA accreditation are not to prove to the society, and EMTEK is not responsible for any economic and legal responsibility for the use of the test data, the direct or indirect losses resulting from the use of the test and all legal consequences.
- 5.本检测报告中检测项目标注有下划线则该项目不在本实验室资质认定能力范围内，该项目检测结果仅作为客户委托、科研、教学或内部质量控制等目的使用。  
The underlined test item in the report is out of the scope of CMA accreditation. The test result only used for client's requirement, scientific researching ,teaching or internal quality control.
- 6.其它声明请查阅报告页脚及书面报告背页。  
For other statements, please refer to the footer of the report.

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the items requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.





## 签发测试报告条款 Conditions of Issuance of Test Reports

1. 苏州市信测标准技术服务有限公司（以下简称[本公司]）为提供符合下述条款的测试和报告，而接受有关样品和货品。本公司基于下述条款提供服务，下述条款为本公司与申请服务的个人、企业或公司（以下简称[客户]）的协议。  
All samples and goods are accepted by the EMTEK(Suzhou) Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").
2. 由此测试申请所发出的任何报告（以下简称[报告]），本公司会严格为客户保密。未经本公司的书面同意，报告的整体或部分不得复制，也不得用于广告或授权的其他用途。然而，客户可以将本公司印制的报告或认可的副本，向其客户、供货商或直接相关的其他人出示或提交。除非相关政府部门、法律或法规要求，否则未经客户同意，本公司不得将报告内容向任何第三方讨论或披露。  
Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. 除非相关政府部门、法律或法院要求，否则未经公司预先书面同意，本公司毋庸，也并无义务到法院对有关报告作证。  
The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. 如果本公司确定报告被不当地使用，本公司保留撤回报告的权利，并有权要求其它适当的额外赔偿。  
In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. 本公司接受样品进行测试的前提是，该测试报告不能作为针对本公司法律行动的依据。  
Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. 如因使用本公司中心任何报告内的资料，或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害，本公司概不负责。  
The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. 若需要在法院审理程序或者仲裁过程中使用测试报告，客户必须在提交测试样品前将该意图告知本公司。  
Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. 该测试报告的支持数据和信息本公司保存 10 年。个别评审机构有特别要求的，检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限，数据和信息将被处理掉。任何情况下，本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害，本公司在任何情况下也不必承担任何损害，包括（但不限于）补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权（包括疏忽）、产品责任或其他原因的惩罚性损害。  
Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



## 检测报告

编号: ESZ2302130272C00102R

日期: 2023年02月20日

第1页共4页

委托单位 : 江苏亨睿碳纤维科技有限公司

地址 : 江苏省常熟市东南技术开发区黄山路58号

以下检测之样品及样品信息是由申请者提供并确认

样品名称 : 异丙醇

型号 : /

接收日期 : 2023年02月14日

检测周期 : 2023年02月14日~2023年02月20日

检测概要 :

检测项目	结论
挥发性有机化合物 (VOCs)	符合

注: 符合 (Pass); 不符合 (Fail); 不评价或仅提供检测结果 (N/A)

编制:

秦婷

秦婷, Maria  
助理工程师

审核:

杜适

杜适, Damon  
测试主管

签发:

姜宇锋

姜宇锋, Jason  
授权签字人

2023年02月20日

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you presented. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

# 检测报告

编号: ESZ2302130272C00102R

日期: 2023 年 02 月 20 日

第 2 页 共 4 页

样品描述(以下检测之样品及样品信息是由申请者提供并确认)

样品序号	样品编号	数量	供应商
01	E2302130272-02	1pc	永华化学

## 检测结果汇总

### 1. 挥发性有机化合物 (VOCs)

#### 1.1 检测方法

检测项目	测试方法
挥发性有机化合物 (VOCs)	GB 38508-2020

#### 1.2 检测设备

设备名称	厂家	型号
分析天平	梅特勒-托利多	XS204
电热恒温鼓风干燥机	精宏	DHG-9053A

#### 1.3 检测结果: 限值依照标准 GB 38508-2020 中表 1

检测项目	结果(g/L)	MDL (g/L)	限值 (g/L) (有机溶剂清洗剂)
	01		
挥发性有机化合物 (VOCs)	785.4	1.0	≤900

#### 备注

- 1) N.D. = 未检测到 (小于 MDL)
- 2) MDL = 方法检出限。

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



# 检测报告

编号: ESZ2302130272C00102R

日期: 2023 年 02 月 20 日

第 4 页 共 4 页

## 声明 Statement

1. 本检测报告首页所列信息中除样品来源、接样日期、检测日期、检测结果和检测结论外，均由委托方提供，委托方对样品的代表性和资料的真实性负责，本实验室不承担任何相关责任。  
The information as listed on the first page of this test report was all provided by the client except the sample from, date received, test period, test results and test conclusion. The client shall be responsible for the representativeness of sample and authenticity of materials, for which EMTEK shall bear no responsibilities.
2. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，特别约定、标准或规范中有明确规定的除外。此种判定方式所带来的风险由客户自行承担，本实验室不承担相关责任。  
The judgment method of determining the conformity in this test report is according to the measured value without considering the risk caused by uncertainty, unless otherwise clearly stipulated in special agreement, standard or specification. The client shall assume the risk caused by the judgment method, and EMTEK shall not bear related responsibilities.
3. 检测报告无批准人签字及“检验检测专用章”无效，未经本实验室书面同意，不得整体或部分复制本报告。  
The test report is effective only with both signature and specialized stamp. Without written approval of EMTEK, this report can't be reproduced in full or in part.
4. 本检测报告的检测结果仅对送测样品负责，未加盖资质认定标志的检测报告不对社会具有公证证明作用，对于检测数据、结果的使用，所产生的直接或间接损失及一切法律后果，本实验室不承担任何经济和法律后果。  
This test data is only responsible for the tested sample. The data and results provided by the report without CMA accreditation are not to prove to the society, and EMTEK is not responsible for any economic and legal responsibility for the use of the test data, the direct or indirect losses resulting from the use of the test and all legal consequences.
5. 本检测报告中检测项目标注有下划线则该项目不在本实验室资质认定能力范围内，该项目检测结果仅作为客户委托、科研、教学或内部质量控制等目的使用。  
The underlined test item in the report is out of the scope of CMA accreditation. The test result only used for client's requirement, scientific researching, teaching or internal quality control.
6. 其它声明请查阅报告页脚及书面报告背页。  
For other statements, please refer to the footer of the report.

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the items requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



## 签发测试报告条款 Conditions of Issuance of Test Reports

1. 苏州市信测标准技术服务有限公司（以下简称[本公司]）为提供符合下述条款的测试和报告，而接受有关样品和货品。本公司基于下述条款提供服务，下述条款为本公司与申请服务的个人、企业或公司（以下简称[客户]）的协议。  
All samples and goods are accepted by the EMTEK(Suzhou) Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").
2. 由此测试申请所发出的任何报告（以下简称[报告]），本公司会严格为客户保密。未经本公司的书面同意，报告的整体或部分不得复制，也不得用于广告或授权的其他用途。然而，客户可以将本公司印制的报告或认可的副本，向其客户、供货商或直接相关的其他人出示或提交。除非相关政府部门、法律或法规要求，否则未经客户同意，本公司不得将报告内容向任何第三方讨论或披露。  
Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. 除非相关政府部门、法律或法院要求，否则未经公司预先书面同意，本公司毋庸，也并无义务到法院对有关报告作证。  
The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. 如果本公司确定报告被不当地使用，本公司保留撤回报告的权利，并有权要求其它适当的额外赔偿。  
In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. 本公司接受样品进行测试的前提是，该测试报告不能作为针对本公司法律行动的依据。  
Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. 如因使用本公司中心任何报告内的资料，或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害，本公司概不负责。  
The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. 若需要在法院审理程序或者仲裁过程中使用测试报告，客户必须在提交测试样品前将该意图告知本公司。  
Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. 该测试报告的支持数据和信息本公司保存 10 年。个别评审机构有特别要求的，检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限，数据和信息将被处理掉。任何情况下，本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害，本公司在任何情况下也不必承担任何损害，包括（但不限于）补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权（包括疏忽）、产品责任或其他原因的惩罚性损害。  
Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



## 检测报告

编号: ESZ2302130272C00107R

日期: 2023年02月20日

第1页共4页

委托单位 : 江苏亨睿碳纤维科技有限公司

地址 : 江苏省常熟市东南技术开发区黄山路58号

以下检测之样品及样品信息是由申请者提供并确认

样品名称 : 460A&amp;460B (胶)

型号 : /

接收日期 : 2023年02月14日

检测周期 : 2023年02月14日~2023年02月20日

检测概要 :

检测项目	结论
挥发性有机化合物 (VOCs)	符合

注: 符合 (Pass); 不符合 (Fail); 不评价或仅提供检测结果 (N/A)

编制:

秦婷

秦婷, Maria

助理工程师

审核:

杜适

杜适, Damon

测试主管

签发:

姜宇锋

姜宇锋, Jason

授权签字人

2023年02月20日

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you presented. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

# 检测报告

编号: ESZ2302130272C00107R

日期: 2023 年 02 月 20 日

第 2 页 共 4 页

样品描述(以下检测之样品及样品信息是由申请者提供并确认)

样品序号	样品编号	数量	供应商
01	E2302130272-07	1pc	3M

## 检测结果汇总

### 1. 挥发性有机化合物 (VOCs)

#### 1.1 检测方法

检测项目	测试方法
挥发性有机化合物 (VOCs)	GB 33372-2020

#### 1.2 检测设备

设备名称	厂家	型号
分析天平	梅特勒-托利多	XS204
电热恒温鼓风干燥机	精宏	DHG-9053A

#### 1.3 检测结果:限值依据标准 GB 33372-2020 表 3

检测项目	结果 (g/kg)	MDL(g/kg)	限值(g/kg)
	01		(本体型胶粘剂-环氧树脂类-其他)
挥发性有机化合物 (VOCs)	4.7	1.0	≤50

## 备注

- 1) N.D. = 未检测到 (小于 MDL)
- 2) MDL = 方法检出限。

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



# 检测报告

编号: ESZ2302130272C00107R

日期: 2023 年 02 月 20 日

第 4 页 共 4 页

## 声明 Statement

1. 本检测报告首页所列信息中除样品来源、接样日期、检测日期、检测结果和检测结论外，均由委托方提供，委托方对样品的代表性和资料的真实性负责，本实验室不承担任何相关责任。  
The information as listed on the first page of this test report was all provided by the client except the sample from, date received, test period, test results and test conclusion. The client shall be responsible for the representativeness of sample and authenticity of materials, for which EMTEK shall bear no responsibilities.
2. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，特别约定、标准或规范中有明确规定的除外。此种判定方式所带来的风险由客户自行承担，本实验室不承担相关责任。  
The judgment method of determining the conformity in this test report is according to the measured value without considering the risk caused by uncertainty, unless otherwise clearly stipulated in special agreement, standard or specification. The client shall assume the risk caused by the judgment method, and EMTEK shall not bear related responsibilities.
3. 检测报告无批准人签字及“检验检测专用章”无效，未经本实验室书面同意，不得整体或部分复制本报告。  
The test report is effective only with both signature and specialized stamp. Without written approval of EMTEK, this report can't be reproduced in full or in part.
4. 本检测报告的检测结果仅对送测样品负责，未加盖资质认定标志的检测报告不对社会具有公证证明作用，对于检测数据、结果的使用，所产生的直接或间接损失及一切法律后果，本实验室不承担任何经济和法律后果。  
This test data is only responsible for the tested sample. The data and results provided by the report without CMA accreditation are not to prove to the society, and EMTEK is not responsible for any economic and legal responsibility for the use of the test data, the direct or indirect losses resulting from the use of the test and all legal consequences.
5. 本检测报告中检测项目标注有下划线则该项目不在本实验室资质认定能力范围内，该项目检测结果仅作为客户委托、科研、教学或内部质量控制等目的使用。  
The underlined test item in the report is out of the scope of CMA accreditation. The test result only used for client's requirement, scientific researching, teaching or internal quality control.
6. 其它声明请查阅报告页脚及书面报告背页。  
For other statements, please refer to the footer of the report.

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the items requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

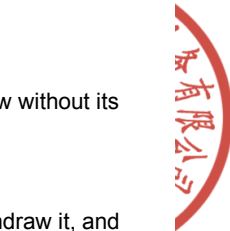




## 签发测试报告条款 Conditions of Issuance of Test Reports

1. 苏州市信测标准技术服务有限公司（以下简称[本公司]）为提供符合下述条款的测试和报告，而接受有关样品和货品。本公司基于下述条款提供服务，下述条款为本公司与申请服务的个人、企业或公司（以下简称[客户]）的协议。  
All samples and goods are accepted by the EMTEK(Suzhou) Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").
2. 由此测试申请所发出的任何报告（以下简称[报告]），本公司会严格为客户保密。未经本公司的书面同意，报告的整体或部分不得复制，也不得用于广告或授权的其他用途。然而，客户可以将本公司印制的报告或认可的副本，向其客户、供货商或直接相关的其他人出示或提交。除非相关政府部门、法律或法规要求，否则未经客户同意，本公司不得将报告内容向任何第三方讨论或披露。  
Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. 除非相关政府部门、法律或法院要求，否则未经公司预先书面同意，本公司毋庸，也并无义务到法院对有关报告作证。  
The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. 如果本公司确定报告被不当地使用，本公司保留撤回报告的权利，并有权要求其它适当的额外赔偿。  
In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. 本公司接受样品进行测试的前提是，该测试报告不能作为针对本公司法律行动的依据。  
Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. 如因使用本公司中心任何报告内的资料，或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害，本公司概不负责。  
The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. 若需要在法院审理程序或者仲裁过程中使用测试报告，客户必须在提交测试样品前将该意图告知本公司。  
Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. 该测试报告的支持数据和信息本公司保存 10 年。个别评审机构有特别要求的，检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限，数据和信息将被处理掉。任何情况下，本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害，本公司在任何情况下也不必承担任何损害，包括（但不限于）补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权（包括疏忽）、产品责任或其他原因的惩罚性损害。  
Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



## 检测报告

编号: ESZ2302130272C00108R

日期: 2023年02月20日

第1页共4页

委托单位 : 江苏亨睿碳纤维科技有限公司

地址 : 江苏省常熟市东南技术开发区黄山路58号

以下检测之样品及样品信息是由申请者提供并确认

样品名称 : J-133 (胶)

型号 : /

接收日期 : 2023年02月14日

检测周期 : 2023年02月14日~2023年02月20日

检测概要 :

检测项目	结论
挥发性有机化合物 (VOCs)	符合

注: 符合 (Pass); 不符合 (Fail); 不评价或仅提供检测结果 (N/A)

编制:

秦婷

秦婷, Maria

助理工程师

审核:

杜适

杜适, Damon

测试主管

签发:

姜宇锋

姜宇锋, Jason

授权签字人

2023年02月20日

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you presented. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.

# 检测报告

编号: ESZ2302130272C00108R

日期: 2023 年 02 月 20 日

第 2 页 共 4 页

样品描述(以下检测之样品及样品信息是由申请者提供并确认)

样品序号	样品编号	数量	供应商
01	E2302130272-08	1pc	黑龙江省科学院石油化学研究院

## 检测结果汇总

### 1. 挥发性有机化合物 (VOCs)

#### 1.1 检测方法

检测项目	测试方法
挥发性有机化合物 (VOCs)	GB 33372-2020

#### 1.2 检测设备

设备名称	厂家	型号
分析天平	梅特勒-托利多	XS204
电热恒温鼓风干燥机	精宏	DHG-9053A

#### 1.3 检测结果:限值依据标准 GB 33372-2020 表 3

检测项目	结果 (g/kg)	MDL(g/kg)	限值(g/kg) (本体型胶粘剂-环氧树脂类-其他)
	01		
挥发性有机化合物 (VOCs)	11.0	1.0	≤50

## 备注

- 1) N.D. = 未检测到 (小于 MDL)
- 2) MDL = 方法检出限。

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you presented. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



# 检测报告

编号: ESZ2302130272C00108R

日期: 2023 年 02 月 20 日

第 4 页 共 4 页

## 声明 Statement

1. 本检测报告首页所列信息中除样品来源、接样日期、检测日期、检测结果和检测结论外，均由委托方提供，委托方对样品的代表性和资料的真实性负责，本实验室不承担任何相关责任。  
The information as listed on the first page of this test report was all provided by the client except the sample from, date received, test period, test results and test conclusion. The client shall be responsible for the representativeness of sample and authenticity of materials, for which EMTEK shall bear no responsibilities.
2. 本检测报告以实测值进行符合性判定，未考虑不确定度所带来的风险，特别约定、标准或规范中有明确规定的除外。此种判定方式所带来的风险由客户自行承担，本实验室不承担相关责任。  
The judgment method of determining the conformity in this test report is according to the measured value without considering the risk caused by uncertainty, unless otherwise clearly stipulated in special agreement, standard or specification. The client shall assume the risk caused by the judgment method, and EMTEK shall not bear related responsibilities.
3. 检测报告无批准人签字及“检验检测专用章”无效，未经本实验室书面同意，不得整体或部分复制本报告。  
The test report is effective only with both signature and specialized stamp. Without written approval of EMTEK, this report can't be reproduced in full or in part.
4. 本检测报告的检测结果仅对送测样品负责，未加盖资质认定标志的检测报告不对社会具有公证证明作用，对于检测数据、结果的使用，所产生的直接或间接损失及一切法律后果，本实验室不承担任何经济和法律后果。  
This test data is only responsible for the tested sample. The data and results provided by the report without CMA accreditation are not to prove to the society, and EMTEK is not responsible for any economic and legal responsibility for the use of the test data, the direct or indirect losses resulting from the use of the test and all legal consequences.
5. 本检测报告中检测项目标注有下划线则该项目不在本实验室资质认定能力范围内，该项目检测结果仅作为客户委托、科研、教学或内部质量控制等目的使用。  
The underlined test item in the report is out of the scope of CMA accreditation. The test result only used for client's requirement, scientific researching, teaching or internal quality control.
6. 其它声明请查阅报告页脚及书面报告背页。  
For other statements, please refer to the footer of the report.

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



## 签发测试报告条款 Conditions of Issuance of Test Reports

1. 苏州市信测标准技术服务有限公司（以下简称[本公司]）为提供符合下述条款的测试和报告，而接受有关样品和货品。本公司基于下述条款提供服务，下述条款为本公司与申请服务的个人、企业或公司（以下简称[客户]）的协议。  
All samples and goods are accepted by the EMTEK(Suzhou) Co., Ltd. (the "Company") solely for testing and reporting in accordance with the following terms and conditions. The company provides its services on the basis that such terms and conditions constitute express agreement between the Company and any person, firm or company requesting its services (the "Clients").
2. 由此测试申请所发出的任何报告（以下简称[报告]），本公司会严格为客户保密。未经本公司的书面同意，报告的整体或部分不得复制，也不得用于广告或授权的其他用途。然而，客户可以将本公司印制的报告或认可的副本，向其客户、供货商或直接相关的其他人出示或提交。除非相关政府部门、法律或法规要求，否则未经客户同意，本公司不得将报告内容向任何第三方讨论或披露。  
Any report issued by Company as a result of this application for testing services (the "Report") shall be issued in confidence to the Clients and the Report will be strictly treated as such by the Company. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of the Company. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by the Company to its customer, supplier or other persons directly concerned. The Company will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the Report, unless required by the relevant governmental authorities, laws or court orders.
3. 除非相关政府部门、法律或法院要求，否则未经公司预先书面同意，本公司毋庸，也并无义务到法院对有关报告作证。  
The Company shall not be called or be liable to be called to give evidence or testimony on the Report in a court of law without its prior written consent, unless required by the relevant governmental authorities, laws or court orders.
4. 如果本公司确定报告被不当地使用，本公司保留撤回报告的权利，并有权要求其它适当的额外赔偿。  
In the event of the improper use of the report as determined by the Company, the Company reserves the right to withdraw it, and to adopt any other additional remedies which may be appropriate.
5. 本公司接受样品进行测试的前提是，该测试报告不能作为针对本公司法律行动的依据。  
Samples submitted for testing are accepted on the understanding that the Report issued cannot form the basis of, or be the instrument for, any legal action against the Company.
6. 如因使用本公司中心任何报告内的资料，或任何传播信息所描述与之有关的测试或研究导致的任何损失或损害，本公司概不负责。  
The Company will not be liable for or accept responsibility for any loss or damage however arising from the use of information contained in any of its Reports or in any communication whatsoever about its said tests or investigations.
7. 若需要在法院审理程序或者仲裁过程中使用测试报告，客户必须在提交测试样品前将该意图告知本公司。  
Clients wishing to use the Report in court proceedings or arbitration shall inform the Company to that effect prior to submitting the sample for testing.
8. 该测试报告的支持数据和信息本公司保存 10 年。个别评审机构有特别要求的，检测数据和报告的保存期可依情况变动。一旦超过上述提交的保存期限，数据和信息将被处理掉。任何情况下，本公司不必提供任何被处理的过期数据或信息。即使本公司事先被告知可能会发生相关的损害，本公司在任何情况下也不必承担任何损害，包括（但不限于）补偿性赔偿、利润损失、数据遗失、或任何形式的特殊损害、附带损害、间接损害、从属损害或任何违反约定、违反承诺、侵权（包括疏忽）、产品责任或其他原因的惩罚性损害。  
Subject to the variable length of retention time for test data and report stored hereinto as otherwise specifically required by individual accreditation authorities, the Company will only keep the supporting test data and information of the test report for a period of ten years. The data and information will be disposed of after the aforementioned retention period has elapsed. Under no circumstances shall we provide any data and information which has been disposed of after retention period. Under no circumstances shall we be liable for damage of any kind, including (but not limited to) compensatory damages, lost profits, lost data, or any form of special, incidental, indirect, consequential or punitive damages of any kind, whether based on breach of contract of warranty, tort (including negligence), product liability or otherwise, even if we are informed in advance of the possibility of such damages.

Test results are only responsible for delivered samples. This test report is issued by the company and is intended for your exclusive use. This test report includes all of the tests requested by you and the results thereof based upon the information that you provided. You have 30 days from date of issuance of this test report to notify us of any error or omission caused by our negligence. A failure to raise such issue within the prescribed time shall constitute your unqualified acceptance of the completeness of this report, the tests conducted and the correctness of the report contents.



## 排放水接管意向说明

江苏亨睿碳纤维科技有限公司预计 2024 年 3 月完成施工，届时生产污水将经由常熟国家高新技术产业开发区地下管网排入凯发新泉水务（常熟）有限公司进行处理。

特此说明！

凯发新泉水务（常熟）有限公司



江苏亨睿碳纤维科技有限公司





221012340728



# 检测报告

## TEST REPORT

SJK-HJ-2309113-3

检测类别: 委托检测

检测内容: 环境空气

委托单位: 江苏亨睿碳纤维科技有限公司

苏州市建科检测技术有限公司

Suzhoushi Jianke Detection Technology Co., Ltd.

地址: 苏州市姑苏区三香弄1号 邮编: 215008 电话: 0512-68701023

## 声 明

1. 报告无我单位“检验检测专用章”、“骑缝章”无效；报告无编制、审核、签发人签字无效。
2. 本报告部分复制、私自冒用、涂改或以其它任何形式篡改均属无效；复制报告应重新加盖我单位“检验检测专用章”。
3. 除客户特别申明并支付样品管理费，本单位有权处理所有超过标准规定时效期的样品，过期样品均不再做留样。
4. 本单位保证工作的客观公正性，对委托单位的商业信息、技术文件等商业秘密履行保密义务。
5. 委托检测结果仅对被测地点、对象、当时样品状态和当时的企业生产工况有效；对送样检测仅对来样负责，报告数据仅反映所测样品；检测报告中的第三方信息由委托方提供并对其真实性负责。
6. 除客户特别申明并支付记录档案管理费，本次检测的所有记录档案保存期限六年。
7. 对检测报告若有异议，可在收到报告之日起十五日内，向我单位提出，逾期不予受理。

\*\*\*本页结束\*\*\*



委托单位	江苏亨睿碳纤维科技有限公司	委托单位地址	常熟市铁琴南路以西、青墩塘路以南地块
项目名称	江苏亨睿碳纤维科技有限公司新建年产 25 万件 (套) 碳纤维制品项目	项目地址	常熟市铁琴南路以西、青墩塘路以南地块
联系人	胡经理	联系电话	15505571123
采样地点	常熟市铁琴南路以西、青墩塘路以南地块	采样人	王庆国、吴晓磊
采样日期	2023.10.13、2023.10.14、2023.10.15、 2023.10.16、2023.10.17、2023.10.18、 2023.10.19	分析日期	2023.10.14 ~ 2023.10.20
检测目的	环评委托检测		
检测内容	环境空气: 非甲烷总烃、二甲苯、苯乙烯、臭气浓度		
检测仪器	详见附表 (2)		
检测依据	详见附表 (3)		
检测结果	详见附表 (1)		
备注	“-”表示不适用; “ND”表示未检出; 涉及项目检出限详见附表 (3)。		
编制 <u>郑</u>			
审核 <u>高</u>			
签发 <u>郑</u>			
检测单位盖章:			
签发日期: 2023 年 11 月 10 日			

附表(1) 环境空气检测结果

监测点位		G1 (项目所在地)						
监测项目	采样日期	2023.10.13	2023.10.14	2023.10.15	2023.10.16	2023.10.17	2023.10.18	2023.10.19
	非甲烷总烃 (mg/m <sup>3</sup> )	08:00~09:00	0.51	0.50	0.42	0.57	0.51	0.53
12:00~13:00		0.54	0.49	0.43	0.48	0.56	0.55	0.42
16:00~17:00		0.53	0.43	0.42	0.48	0.53	0.48	0.44
20:00~21:00		0.55	0.42	0.41	0.52	0.55	0.47	0.41
二甲苯 (邻二甲苯+间二甲苯+对二甲苯) (mg/m <sup>3</sup> )	08:00~09:00	ND	ND	ND	ND	ND	ND	ND
	12:00~13:00	ND	ND	ND	ND	ND	ND	ND
	16:00~17:00	ND	ND	ND	ND	ND	ND	ND
	20:00~21:00	ND	ND	ND	ND	ND	ND	ND
苯乙烯 (mg/m <sup>3</sup> )	08:00~09:00	ND	ND	ND	ND	ND	ND	ND
	12:00~13:00	ND	ND	ND	ND	ND	ND	ND
	16:00~17:00	ND	ND	ND	ND	ND	ND	ND
	20:00~21:00	ND	ND	ND	ND	ND	ND	ND
臭气浓度 (无量纲)	08:00~09:00	<10	<10	<10	<10	<10	<10	<10
	12:00~13:00	<10	<10	<10	<10	<10	<10	<10
	16:00~17:00	<10	<10	<10	<10	<10	<10	<10
	20:00~21:00	<10	<10	<10	<10	<10	<10	<10
备注		二甲苯是对二甲苯、间二甲苯、邻二甲苯的浓度加和。						

\*\*\*本页结束\*\*\*