



產品承認保證書

提交版次: A0
富士康品名: RUBBER-F00T
項目: _____
模具 / 模穴: _____

提交日期: 2023/4/19
富士康料號: 481.00539.005
修改 / ECN: _____
修改日期: _____

供應商信息與聲明

名稱: 深圳市富發世紀科技有限公司
地址1: 深圳市龙华新区观澜街道库坑同富裕工业区 11号A栋
地址2: _____
地址3: _____
縣 / 市: 深圳市
省 / 市: 广东省
郵 編: 518110
國 家: 中华人民共和国

提交: 吳德文

審核: 朱誠誠

聲明:

1. 供應商保證本保證書承認的樣品能代表正常的生產和制程能力, 供應商還保證零件是按照有效的客戶圖紙和規範, 用規定的材料和正式的生產模具, 在與正式生產制程操作一致的條件下制造出來的。
2. 產品符合有效的客戶外觀規範的要求。
3. 任何的偏差都已填在下面的說明欄中。



提交結果: 符合所有的圖紙規範和承認要求。

是
否 (請在供應商說明欄中填寫原因)

提交原因

- | | |
|--------------------------|--------------|
| ☐ | 初次提交 |
| ☐ | 工程變更 |
| ☐ | 模具移轉、更換、維修 |
| ☐ | 不合格項目之改善 |
| ☐ | 選用材料變更 |
| ☐ | 產品制程變更 |
| ☐ | 分供應商或原材料廠商變更 |

已提交

- | | |
|--------------------------|----------------|
| ☐ | 樣品 |
| ☐ | 制程能力CPK |
| ☐ | 尺寸量測報告FAI |
| ☐ | 量測系統準確度及精度GR&R |
| ☐ | 制程 FMEA |
| ☐ | 制程流程圖 |
| ☐ | 制程管制計劃 |
| ☐ | 制程定義文件 |
| ☐ | 制造作業規範 |
| ☐ | 其它(在下欄說明) |
| ☐ | |
| ☐ | |

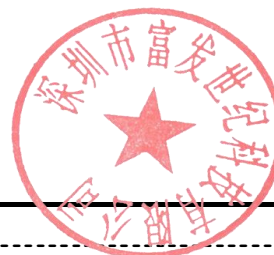
先期提交

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要求提交

- | |
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供應商說明事項



以下由客戶填寫

產品處置:

PE: _____

日期: _____

SQE: _____

日期: _____

註 明:

認可狀態

完全認可

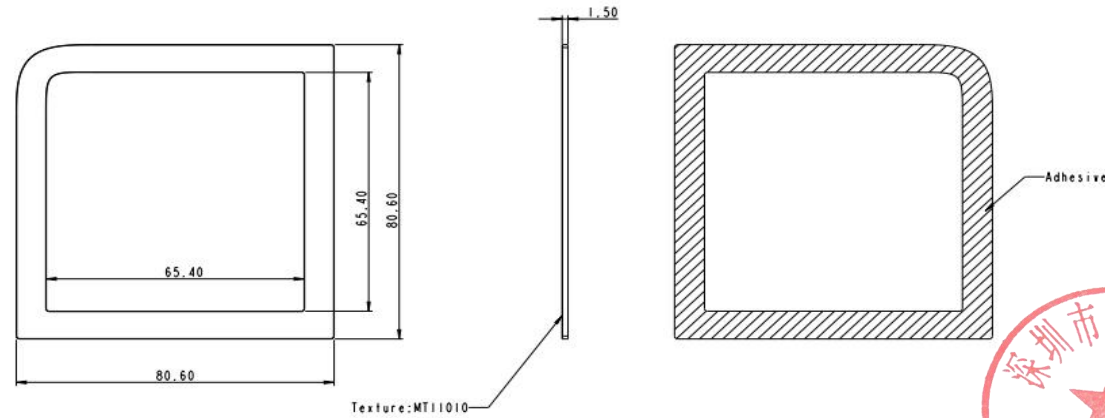
條件認可

不認可

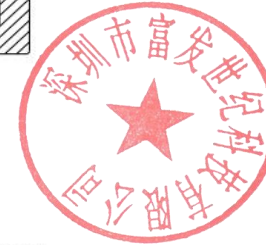
目 录

[illegible]

VER	MARK	DCR/ECN NO.	DATE	UPDATE DESCRIPTION	SIGNATURE
00			20190102	First Release	Robin
01			20190402	Update the dimensions.	Robin



NOTES:
 1. Material: Silicone;
 2. Hardness: 60°;
 3. Color: Black;
 4. Adhesive: 3M9448 (black) or 3M9495MP
 5. Must compliant with RoHS.



MATERIAL (SPEC.)			SEE NOTES			SCALE				Foxconn Industrial Internet				
FINISH			SEE NOTES			SHEET				富士康工业互联网				
Select Part #			A	B	C	TPS	TPF	BAG	CTN	MBL	USR	UNIT	PART NAME	
0~6			0.05	0.05	0.10							mm	RUBBER FOOT	
6~30			0.10	0.10	0.20	0.20	0.20	0.30	0.30	0.20	0.20	mm		
30~120			0.10	0.10	0.20	0.20	0.20	0.30	0.30	0.20	0.20	mm		
120~300			0.20	0.20	0.40	0.40	0.40	0.50	0.50	0.40	0.40	mm		
300~450			0.25	0.40	0.50	0.50	0.60	0.60	0.70	0.70	0.60	0.60	mm	
450~600			0.30	0.50	0.60	0.60	0.70	0.70	0.80	0.80	0.70	0.70	mm	
DRAFT TOLERANCE: CRITICAL DIM MARK														

深圳市富发世纪科技有限公司

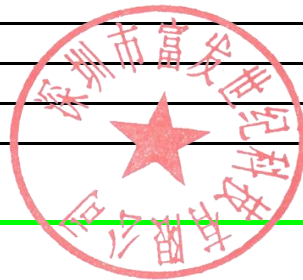
全尺寸測量報告FAI

产品料号:	481.00539.005	客户名称:	富士康	检验员:	李如
产品品名:	RUBBER-F00T	检验日期:	2023.4.19	核准:	朱诚诚
版次:	A0	模穴/模具#:			

检查项目:

1. 尺寸： 图纸规格					检验结果					判定	检验方法
单位：mm					样品号						
项次		尺寸中值	+ 公差	- 公差	1	2	3	4	5		
1		80.60	0.30	-0.30	80.684	80.771	80.716	80.451	80.540	OK	二次元
2		65.40	0.30	-0.30	65.485	65.511	65.285	65.483	65.532	OK	二次元
3		80.60	0.3	-0.3	80.767	80.667	80.437	80.749	80.507	OK	二次元
4		65.40	0.3	-0.3	65.543	65.238	65.502	65.331	65.471	OK	二次元
5		1.50	0.1	-0.1	1.551	1.539	1.547	1.497	1.544	OK	二次元
6											
7											
8											
9											
10											
11											
12											

2. 性能 :	检查结果	说明
2.1 材料:阻燃硅胶+背胶3M9495MP	☒ OK ☐ NG	
2.2 硬度:60	☒ OK ☐ NG	
2.3 颜色:黑色	☒ OK ☐ NG	
2.4 外观 :表面	☒ OK ☐ NG	
2.5 环保	☒ OK ☐ NG	
2.6 其它 :		



硬度檢驗報告

Hardness test report

品名/Product name:	RUBBER-F00T
料號/Material no.:	481.00539.005
版本/Version of this:	A0
顏色/colour:	黑色
检测日期/inspection date:	2023/4/19
检测环境/Testing environment:	温度/temperature 25±5℃， 湿度/humidity 80%以下/Less than 80%
检测目的/Testing purpose:	为了验证产品的硬度是否符合客户品质之需求/In order to verify whether the hardness of the product meets the customer's quality requirements

检测依据/detection principle: WI-QA-007

检测仪器/detecting instrument：邵氏A型硬度计/Shore type A hardness tester

检测步骤/Testing steps: (附图/attached map)

1、取待测样品/Take the sample to be tested (同批次原料所做的硬度块/Hardness blocks made from the same batch of raw materials)；

2、将样品摆放于平整、坚硬的表面上；

3、将硬度计压足垂直并完全接触样品，以尽可能快的速度按压硬度计，3秒后所读数据为样品硬度值；
Press the durometer vertically and in full contact with the sample. Press the durometer as fast as possible. The data read after 3 seconds is the hardness value of the sample.

4、在至少相距6mm不同位置选取5个点分别进行测量，计算并记录其平均值。
Five points were selected from different positions at least 6mm apart for measurement, and their average values were calculated and recorded.



检测结果/testing result:

标准中值 /In the standard values (A)	+公差 toleranc e	-公差 toleranc e	实测值/measured value					平均值 mean	结果判定 results of evaluation
			1	2	3	4	5		
60	5	5	58	62	60	62	61	60.6	OK

富发世纪科技有限公司

橡胶制程流程图

料號: 481.00539.005

品名: RUBBER-F00T

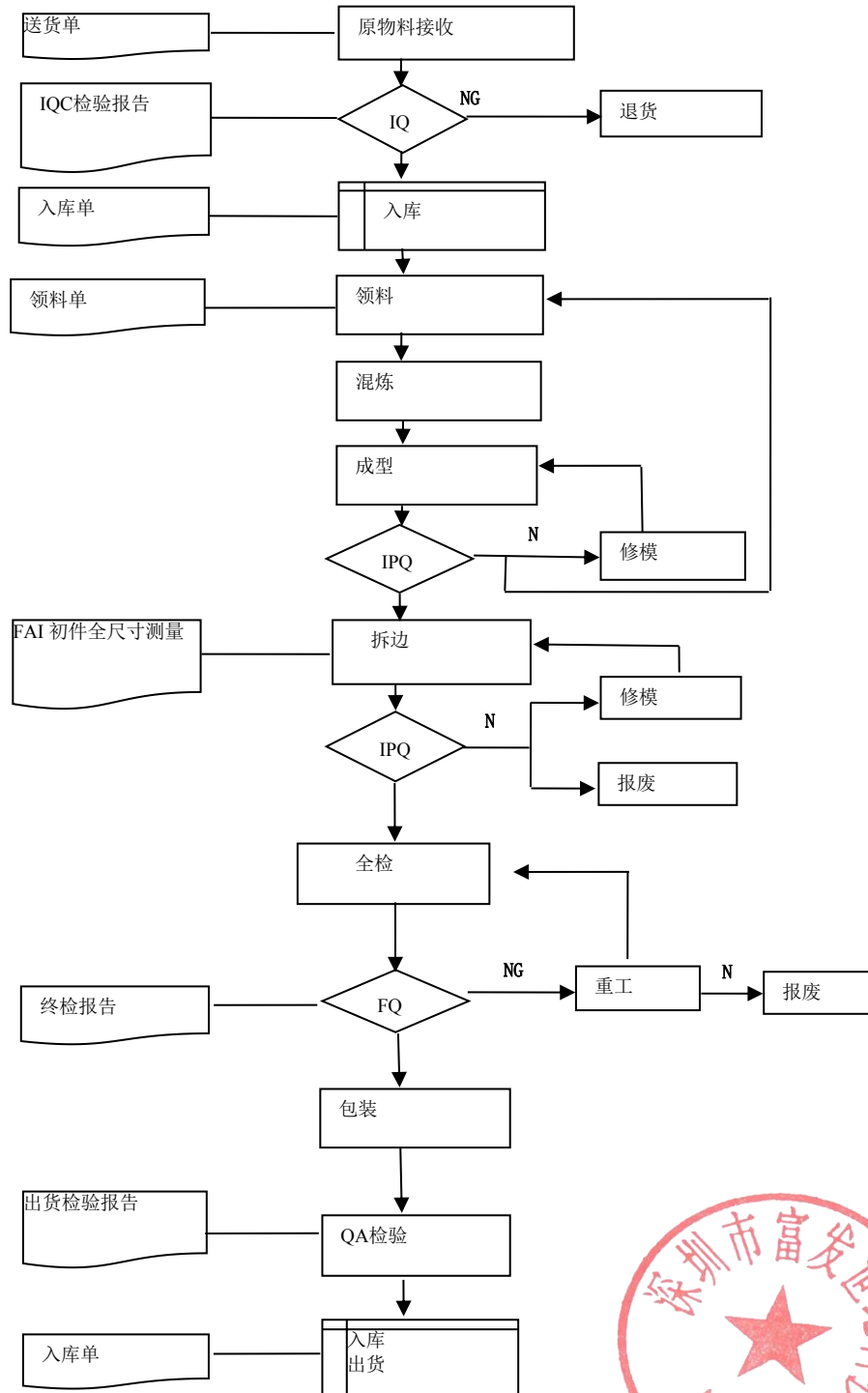
流程图版次:A0

製圖: 朱诚诚

日期:2023/4/19

客戶:富士康

修定履曆:



审核: 朱诚诚

拟定: 李如

FF- 08 - 042/A

深圳市富发科技有限公司				文件编号				
				版本版次	A0		制表	李如
文件名称	产品包装规格			生效日期	2023. 4. 19		审核	朱诚诚
				页码页数	1/1			
客户	富士康	产品名称	RUBBER-FOOT	产品料号	481. 00539. 005			
项目		内 包 装			外 包 装			
尺寸规格 (MM)		275*300MM			400*300*300			
数量 (PCS)		100PCS			1000PCS			
重量(净重 Kg)		0. 3865			3. 865			
包装材料		PE 袋			A=A级纸箱			
					 			
标签		品名、规格型号、数量、批号、PASS印章、ROHS标示、发货日期						
其 他		1、具体单箱数量可能会因出货数量而有所不同； 2、出货检验报告每批次出货时随件； 3、包装水平放置于包装箱中。						

Process Management Plan - Mechanicals

Revision 1.0

Start with WARRANT sheet tab. Some cells are auto-fill from warrant page data entry

foxconn Part Name: RUBBER-F00T		Supplier P/N: 481.00539.005		Supplier Approvals			Capability Requirements			Control Location			
				Reviewer	Initials	Date	Cpk>= 2.0 Cpk >= 1.33			A. Sub-tier Process F. Final Inspection B. Rec. Inspection G. Out of Box Audit C. Setup Approval H. Out of Box D. In Process Experience E. Audit I. Other			
foxconn Part Number: 481.00539.005		foxconn Revision: A0		Supplier Part Rev.: A0		JQE 李如 2023.4.19							
Date: 2023.4.19		Process: Assembly		Tooling:		GQAM 朱诚诚 2023.4.19		All features identified on Dell drawing with SPC symbol must be tracked using variables charting methods					
PMP Rev.: A0						Other 王庆九 2023.4.19							
Process Flow		Machine, Device, Jig		Characteristics			Methods						
No.	Phase of Production	Tools For Manufacturing	Char No.	Process Parameters	Product Char. Loc./Desig.	Product Critical Characteristics	Measurement Method	Gage R&R			Sample		Analysis Methods or Quality Record
								Reproducibility	Repeatability	Total Gage R&R	Size	Frequency	
1	进料检验	硬度计	1	A. 硅胶 60±5° B. ROHS	A. 流动性/弹性 B. 无杂质 C. 硬度:60±5° D. 黑色	原料流程图	硬度计/XRF测试仪/目视	20kg	每批次	<<进料检验报告>>	N/A	<<退货单和物料质量反馈表>>	AB
2	混炼	A. 混炼机 B. 直尺 C. 厚薄规	2	A. 硅胶 60±5°	A. 硬度60±5° B. 无杂质流动	作业标准书	硬度计直尺薄规	20kg	每首件	《IPQC巡检日报表》	N/A	《制程异常联络单》	D
3	裁料	A. 裁切机 B. 电子称	3	0.75±0.05g	出料取PCS重量	作业标准书	电子称	1PCS	每首件	《IPQC巡检日报表》	N/A	《制程异常联络单》	D
4	成型	A. 成型机 B. 硬度计 C. 厚薄规	4	A. 80.6±0.30mm B. 65.4±0.30mm; C. 硬度60±5° D. 外观/颜色	A. 产品的各尺寸 B. 硬度60±5° C. 外观/颜色	作业标准书	硬度计目视卡尺	5PCS	每小时一次	《IPQC巡检日报表》	Cpk>1.33	《制程异常联络单》	D E H I
5	背胶/全检	A. 美工刀 B. 剪刀	5	外观 3M9495MP	N/A	作业标准书	目视	全检	每1PCS	<<全检日报表>>	N/A	《制程异常联络单》 《报废单》	D I
6	OQC检验	卡尺	6	A. 80.6±0.30mm B. 65.4±0.30mm; C. 硬度60±5° D. 外观/颜色	A. 产品的各尺寸 B. 硬度60±5° C. 外观/颜色	作业标准书	卡尺/目视	AQL标准抽样	每批次	《OQC检验日报表》	N/A	《品质异常改善单》 《重工单》	G
7	包装	包装机	7	每包数量	良品贴PASS标签	作业标准书	目视	2包	每批次	<<包装记录表>>	N/A	《品质异常改善单》	G
8	QA检验	卡尺	8	A. 80.6±0.30mm B. 65.4±0.30mm; C. 硬度60±5° D. 外观/颜色	A. 产品的各尺寸 B. 硬度60±5° C. 外观/颜色	作业标准书	目视	AQL标准抽样	每批次	<<出货检验报表>>	N/A	《重工单》	G

環境管理物質成份或部件展開表
The Ingredients or Parts List of Enviromental Management Substances

★ 按下列表單展開產品的成份或部件。

Ingredients or parts of the product are reported in the following form

★ 不同的成份或部件需提供相應的測試報告以及 MSDS文件, 測試項目為: Cd、Pb、Hg、Cr⁶⁺、PBB、PBDE、DEHP、BBP、DBP、DIBP、Cl、Br及客戶限制使用的其它有害物質。

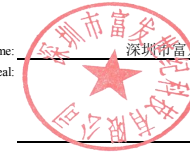
Test report and MSDS documentation must be provided for different ingredients or parts ,test items are: Pb,Cd,Hg,Cr⁶⁺, PBB , PBDE,DEHP,BBP,DBP,DIBP,Cl,Br and other restricted hazardous substances required by customers.

★ 有害物質/材料含量必須滿足富士康之《有害物質和材料管理規範》的要求(ESD-A0RH-001)。

The hazardous substances/material and other restricted material must meet "Specification for Hazardous Substances and Materials Management" of Foxconn (ESD-A0RH-001).

公司名稱 Company Name: 深圳市富發世紀科技有限公司

公司印章 Company Seal:

[illegible]

簽署人保證已經獲得公司充分授權，並保證本表格的內容以及所附的測試報告完全準確、真實。

The below undersigned person declares that he/she is duly authorized by their organization to sign on its behalf and that the contents of this sheet and corresponding test reports are completely true and accurate.

被授權聲明人 Authorized Declarer	朱誠誠	公司法定代表人姓名 Legal Representative Name	
被授權聲明人所屬部門 Dept. of Authorized Declarer	工程部	朱文俊	
被授權聲明人職位 Title of Authorized Declarer	工程師		
聲明日期 Date of Declaration	2023/4/19	職位 Title	董事長
被授權聲明人簽字 Signature of Authorized Declarer		朱誠誠	

FQ3A0009002B3



QMFZ2.E346848 Plastics - Component

Additional information regarding this certification can be found in UL's iQ Family of Databases (iq.ul.com).
For additional information concerning the individual material, click on the material designation.

[Page Bottom](#)

Plastics - Component

[See General Information for Plastics - Component](#)

DONGGUAN NANJU POLYMER MATERIAL CO LTD

E346848

1 DONGHUAN 2ND ST
JITIGANG HUANGJIANG TOWN
DONGGUAN, GUANGDONG 523000 CHINA

									H	D	
		Min.		H	H	R T I			V	4	C
		Thk	Flame	W	A	Elec	Mech		T	9	T
Material Dsg	Color	mm	Class	I	I		Imp	Str	R	5	I
Silicone Molding Resin (SIR), furnished as plaque or roll.											
NJ-352H-30, NJ-352H-40, NJ-352H-50, NJ-352H-60, NJ-352H-70, NJ-352H-80											
	BK	1.0-1.1	V-0	-	-	150	150	150	-	-	-

Marking: Company name and material designation on container, wrapper or finished part.

[Last Updated](#) on 2021 -08 -12

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The appearance of a company's name or product in this database does not in itself assure that products so identified have been manufactured under UL's Follow-Up Service. Only those products bearing the UL Mark should be considered to be Listed and covered under UL's Follow-Up Service. Always look for the Mark on the product.

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东莞市南炬高分子材料有限公司

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邮编：523757
E-mail：customer@njsilicone.com
http://www.njsilicone.com

化学品安全技术说明书 (MSDS)

一、化学品及企业信息

产品中文名称	阻燃硅胶	生产企业地址	广东省东莞市黄江镇鸡啼岗东环二街
产品英文名称	Fire retardant silicone rubber	应急联系电话	0769-82025586
生产企业名称	东莞市南炬高分子材料有限公司	电子邮件地址	customer@njsilicone.com
适用型号	NJ-332、NJ-342、NJ-352、NJ-362、NJ-372、NJ-382、NJ-432、NJ-442、NJ-452、NJ-462、NJ-472、NJ-482、NJ-522、NJ-532、NJ-542、NJ-552、NJ-562、NJ-572、NJ-582、NJ-272、NJ-352M-30/40/50/60/70/80、NJ-352N-30/40/50/60/70、NJ-352H-30/40/50/60/70/80、NJ-352H-40/50/60/70 (黑色)、FR8342、FR8352、FR8362、FR8372、FR8382、FR8232、FR8242、FR8252、FR8262、FR8272、FR8282、NJ-352M-40D		

二、组成成份信息

组成成分名称	甲基乙烯基生胶	白炭黑 (二氧化硅)	阻燃剂(氢氧化铝)	助剂：羟基硅油
CAS NO.	68083-18-1	14464-46-1	21645-51-2	63148-62-9
占有比例 %	30-50%	10-25%	35-55%	2-6%

三、危险性鉴别

危险类别	不燃烧、不会爆炸，无害。
健康危害	无，符合RoHS2.0, REACH, 邻苯, 卤素, PAHs等环保法规。
安全危害	不属于危险品。



四、急救措施

误食	用水清洁口腔，若有不适，及时寻求医护。
----	---------------------

五、消防措施

消防危险特性	不可燃，若有火灾发生会产生有毒气体。
灭火介质	干粉、沙子、泡沫、二氧化碳、喷水等各种灭火器材适用。
特殊接触危害	若有火灾或爆炸发生，不要吸入烟雾。
灭火注意事项	在火里会释放有害气体，应戴上呼吸装置，没有化学防护及供氧装备请不要呆在危险区。



六、泄漏应急处理

泄漏处理措施	无特殊要求，作为一般物品收集后，运至废弃物放置场所即可。
--------	------------------------------

七、操作处置及储存

操作注意事项	避免与潮湿或易挥发物品混放，操作过程注意轻拿轻放，避免包装破损导致污染。
储存注意事项	储存在干燥通风阴凉的库房内，避免与潮湿及易挥发物品混放。



东莞市南炬高分子材料有限公司

地址：广东省东莞市黄江镇鸡啼岗村东环二街1号
电话：4008-521-989 0769-82025586
传真：0769-82025585

邮编：523757
E-mail：customer@njsilicone.com
http://www.njsilicone.com

八、理化性质

物 理 形 态	介于液体与固体之间	颜 色	乳白或黑色
气 味	无	溶 解 性	不溶于水
引 燃 温 度	800°C以上	爆 炸 性	否
氧 化 性	否	比 重	1.45±0.05 g/cm ³

九、稳定性及反应性

稳 定 性	稳定	禁 配 物 品	卤氧化物等氧化剂能引起反应
避免接触条件	无资料	分 解 产 物	二氧化硅、三氧化二铝等

十、暴露及个人防护

容 许 浓 度	无资料	眼 睛 防 护	无特殊要求
通风设备要求	提供局部排气通风	呼 吸 防 护	无特殊要求
工 作 服	无特殊要求	手 防 护	无特殊要求

十一、毒理学资料

急 性 毒 性	无资料	刺 激 性	无刺激性
慢 性 毒 性	无资料	其 他 信 息	无

十二、生态学资料

生态效应	无资料	其他生态资料	为惰性物质，正确使用下不会有危害
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十三、废弃物处理

处 理 方 式	请参阅国家或地方相关法规，建议寻找有资质的处理公司处置。
---------	------------------------------

十四、运输资料

危 害 等 级	无，不属于危险品。
运 输 要 求	整齐摆放，无挤压，避免接触雨水、阳光及高温。
运 输 方 式	适合海运、空运、陆运。

十五、法规信息

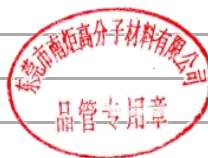
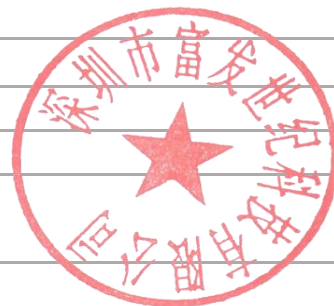
参 考 法 规	GB16483-2016化学品安全技术说明书编写规范
	[1996]劳部发423号 工作场所安全使用化学品条例
	中国民用航空危险品运输管理规定
	道路、铁路危险货物运输管理规定
	化学品安全资料表：内容及项目顺序-ISO11014:2009
	国际航协危险品规则-IATA DGR 51版
	国际海运危险货物规则-IMDG CODE 2008

十六、其他说明

编 制 单 位 东莞市南炬高分子材料有限公司

编 制 日 期 2020.11.06

备 注 信 息 本资料仅供参考用途，任何不当使用导致的直接或间接损害本公司不承担相关责任。





材质证明

产品名称: 阻燃硅胶

产品型号: NJ-352N-30/40/50/60/70/80、 NJ-352H-30/40/50/60/70/80、 NJ-332、
NJ-342、 NJ-352、 NJ-362、 NJ-372、 NJ-382 、 NJ-442、 NJ-452NJ-462、 NJ-472、
NJ-482、 NJ-522/532/542/552/562/572/582、 NJ-272、 NJ-352M-30/40/50/60/70/80

产品主要成份为:

1.生胶(甲基乙烯基聚硅氧烷)

Organic polymer silicone gum

其分子式为: $\text{RMe}_2\text{SiO}-(\text{Me}_2\text{SiO})_n-(\text{MeViSiO})_m-\text{SiMe}_2\text{R}$

R 为: Me. ET. Vi. n.m 为链节数

其成份约占: 35~40%

2.白炭黑(二氧化硅)Silica

其分子式为: SiO_2

其成份约占: 10%~15%

3.助剂:羟基硅油 Hydroxyl silicone

其分子式为: $\text{HO}(\text{R}_2\text{SiO})_n\text{H}$

R 为: Me. ET. PH. n=3.4.5.....

其成份约占: 3%~5%

4. 阻燃剂: 氢氧化铝 Aluminium hydroxide

其分子式为: $\text{Al}(\text{OH})_3$

其成份约占: 40%~50%



检测报告
Test Report

报告编号 A2230044498101002ER1
Report No. A2230044498101002ER1

第 2 页 共 5 页
Page 2 of 5

检测依据 Test Method

测试项目 Tested Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
氟 Fluorine (F)	参考 EN 14582:2016 Refer to EN 14582:2016	IC
氯 Chlorine (Cl)	参考 EN 14582:2016 Refer to EN 14582:2016	IC
溴 Bromine (Br)	参考 EN 14582:2016 Refer to EN 14582:2016	IC
碘 Iodine (I)	参考 EN 14582:2016 Refer to EN 14582:2016	IC

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	002	
氟 Fluorine (F)	N.D.	10 mg/kg
氯 Chlorine (Cl)	N.D.	10 mg/kg
溴 Bromine (Br)	N.D.	10 mg/kg
碘 Iodine (I)	N.D.	10 mg/kg

样品/部位描述 Sample/Part Description

序号	CTI 样品 ID	描述
No.	CTI Sample ID	Description
1	002	白色固体 White solid



检测报告 Test Report

报告编号 A2230044498101002ER1
Report No. A2230044498101002ER1

第 3 页 共 5 页
Page 3 of 5

备注: -N.D. = 未检出 (小于方法检出限)
-mg/kg = ppm = 百万分之一

Remark: -MDL = Method Detection Limit
-N.D. = Not Detected (<MDL)
-mg/kg = ppm = parts per million

注释: 本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。
本报告于原报告(报告编号 A2230044498101002E)基础上修改了“地址”。本报告替换原报告 A2230044498101002E, 自本报告签发之日起, 原报告 A2230044498101002E 作废。

Note: The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.
This testing report revised “地址” based on the original report of No. A2230044498101002E.
This testing report displaces the original one which was invalid since the date of this testing report released.

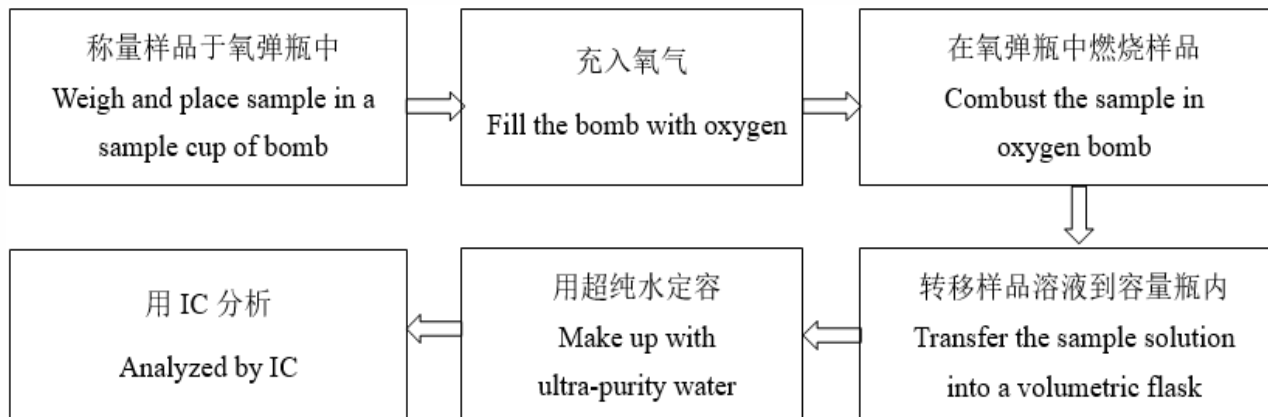


检测报告 Test Report

报告编号 A2230044498101002ER1
Report No. A2230044498101002ER1

第 4 页 共 5 页
Page 4 of 5

检测流程 Test Process



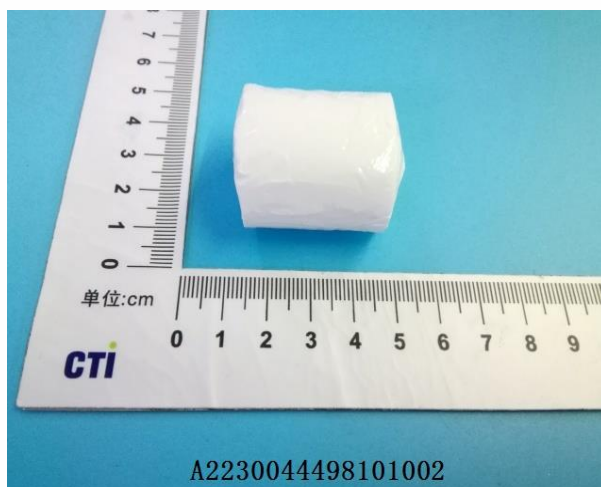
检测报告 Test Report

报告编号 A2230044498101002ER1
Report No. A2230044498101002ER1

第 5 页 共 5 页
Page 5 of 5

样品图片

Photo(s) of the sample(s)



声明 Statement:

1. 检测报告无批准人签字、“专用章”及报告骑缝章无效;

This report is considered invalid without approved signature, special seal and the seal on the perforation;

2. 报告抬头公司名称及地址、样品及样品信息由申请者提供, 申请者应对其真实性负责, CTI 未核实其真实性;

The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;

3. 本报告检测结果仅对受测样品负责;

The result(s) shown in this report refer(s) only to the sample(s) tested;

4. 未经 CTI 书面同意, 不得部分复制本报告;

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5. 如检测报告中的英文内容与中文内容有差异, 以中文为准。

In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

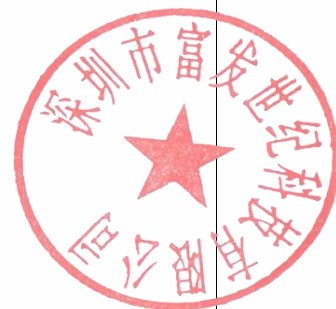
*** 报告结束 ***

*** End of Report ***

附录 Appendix

客户参考信息 Client Reference Information

序号	样品名称	型号	批号	材质	备注
1	混炼硅胶	FR8332/8342/8352/8362/8372/8382	/	氢氧化铝, 二氧化硅, 生胶, 硅油助剂	/
2		FR8132/8142/8152/8162/8172/8182	/		/
3		FR8632/8642/8652/8672/8682	/		/
4		R8232/8242/8252/8262/8272/8282	/		/
5		FR8432/8442/8452/8462/8472	/		/
6		GP5052/62/72/42/32、 GP5131/41/51/61/71、TR6262	/		/
7		NJ-152P/Q/R/S/T/U/V/W/X/Y/Z-30/40/ 50/60/70/80/90	/		/
8		EP9561/2、EP9461/62、EP9361/62、 EP9261/62、EP9161/62、EP9171 (B)、 FF7261、MSR-2、 SA150/160/150A/160A	/		/
9		NJ-152A/B/C/D/E/F/G/H/I/J/K/L/M/N-/ 40/50/60/70/80	/		/
10		NJ-252 NJ-262 NJ-272 NJ-282 NJ-332 NJ-342 NJ-352 NJ-362 NJ-372 NJ-382 NJ-432 NJ-442 NJ-452 NJ-462 NJ-472 NJ-482 NJ-532 NJ-542 NJ-552 NJ-562 NJ-572 NJ-582 NJ-342B NJ-352B NJ-362B NJ-372B NJ-382B NJ-332A NJ-352A NJ-362A NJ-362H NJ-382D	/		/
11		NJ-352M-30/40/50/60/70/80	/		/
12		NJ-352N-30/40/50/60/70/80	/		/
13		NJ-352H-30/40/50/60/70/80	/		/
14		NJ-352M-30D/40D/50D/60D/70D/80D	/		/
15		NJ-452C-30/40/50/60/70/80 NJ-452A-30/40/50/60/70/80 NJ-652A-30/40/50/60/70/80 NJ-652B-10/30/40/50/60/70/80/90 NJ-652C-30/40/50/60/70/80 NJ-652HA-30/40/50/60/70/80 NJ-552C-30/40/50/60/70/80 NJ-752C-30/50/60/70/80 NJ-752A-30/50/60/70/80 NJ-652Y-30/40/50/60/70/80 NJ-652L-30/40/50/60/70/80 NJ-652D-30/40/50/60/70/80	/		/



16		RG6363/6373/6342; RG8672; NJ-652DY-60/70/80 RG3232/RG3252/RG3272/RG3282、 FH6261/FH6271;FH6161/FH6171、 FH6262 RG3652/3662/3672/3682	/		/
17	混炼硅胶	NJ-2130、NJ-2140、NJ-3140TR、 NJ-2142、NJ-2150、NJ-2151、NJ2152、 NJ-2162、NJ-2160、NJ-2170、 NJ-2172、NJ-2180、NJ-2230、 NJ-2240、NJ-2250、NJ-2252、 NJ-2253、NJ-2260、NJ-2270、 NJ-2271、NJ-2272、NJ-2273、 NJ-2274、NJ-2280、NJ-2330、 NJ-2340、NJ-2350、NJ-2360、 NJ-2320、NJ-2380 NJ-2430、NJ-2440、NJ-2450、NJ-2460、 NJ-2470、NJ-2480 NJ-2530、NJ-2540、NJ-2550、NJ-2560、 NJ-2570、NJ-2580 NJ-2630、NJ-2640、NJ-2650、NJ-2660、 NJ-2670、NJ-2680 NJ-2730、NJ-2740、NJ-2750、NJ-2760、 NJ-2770、NJ-2780 NJ-1130、NJ-1140、NJ-1150、NJ-1160、 NJ-1170、NJ-1180 NJ-1230、NJ-1240、NJ-1250、NJ-1260、 NJ-1270、NJ-1280 NJ-1330、NJ-1340、NJ-1350、NJ-1360、 NJ-1370、NJ-1380 NJ-1430、NJ-1440、NJ-1450、NJ-1460、 NJ-1470、NJ-1480 NJ-1530、NJ-1540、NJ-1550、NJ-1560、 NJ-1570、NJ-1580、NJ-3151、 NJ-4240P、NJ-4250P、NJ-4260P、 NJ-4270P、NJ-4275P、NJ-4280P、 NJ-4375P、NJ-3130P、NJ-3140P、 NJ-3150P、NJ-3160P、NJ-3170P、 NJ-3175P、NJ-9240E、NJ-2240EL	/	氢氧化铝，二氧化硅，生胶，硅油助剂	/



声明 Statement:

1. 附录内容由申请者提供，申请者应对其真实性负责，CTI 未核实其真实性。

The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

2. 附录内容为 A2230044498101002ER1 报告的补充。

The Appendix Information is/are the supplement(s) for the Report A2230044498101002ER1.



检测报告
Test Report

报告编号 A2230031385101001E
Report No. A2230031385101001E
检测依据 Test Method

第 2 页 共 7 页
Page 2 of 7

测试项目 Test Item(s)	测试方法 Test Method	测试仪器 Measured Equipment(s)
铅 Lead (Pb)	IEC 62321-5:2013	ICP-OES
镉 Cadmium (Cd)	IEC 62321-5:2013	ICP-OES
汞 Mercury (Hg)	IEC 62321-4:2013+AMD1:2017 CSV	ICP-OES
六价铬 Hexavalent Chromium (Cr(VI))	IEC 62321-7-2:2017和/或IEC 62321-5:2013测试 总铬含量 IEC 62321-7-2:2017 and/or determination of Total Chromium by IEC 62321-5:2013	UV-Vis/ICP-OES
多溴联苯 Polybrominated Biphenyls (PBBs)	IEC 62321-6:2015	GC-MS
多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)	IEC 62321-6:2015	GC-MS
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)	IEC 62321-8:2017	GC-MS



检测报告
Test Report

报告编号 A2230031385101001E

Report No. A2230031385101001E

第 3 页 共 7 页

Page 3 of 7

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
铅 Lead (Pb)	N.D.	2 mg/kg
镉 Cadmium (Cd)	N.D.	2 mg/kg
汞 Mercury (Hg)	N.D.	2 mg/kg
六价铬 Hexavalent Chromium (Cr(VI))	N.D.	8 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	

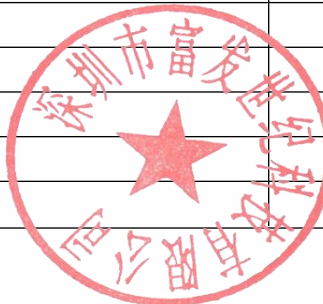
多溴联苯 Polybrominated Biphenyls (PBBs)

一溴联苯 Monobromobiphenyl	N.D.	5 mg/kg
二溴联苯 Dibromobiphenyl	N.D.	5 mg/kg
三溴联苯 Tribromobiphenyl	N.D.	5 mg/kg
四溴联苯 Tetrabromobiphenyl	N.D.	5 mg/kg
五溴联苯 Pentabromobiphenyl	N.D.	5 mg/kg
六溴联苯 Hexabromobiphenyl	N.D.	5 mg/kg
七溴联苯 Heptabromobiphenyl	N.D.	5 mg/kg
八溴联苯 Octabromobiphenyl	N.D.	5 mg/kg
九溴联苯 Nonabromobiphenyl	N.D.	5 mg/kg
十溴联苯 Decabromobiphenyl	N.D.	5 mg/kg

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	

多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)

一溴二苯醚 Monobromodiphenyl ether	N.D.	5 mg/kg
二溴二苯醚 Dibromodiphenyl ether	N.D.	5 mg/kg
三溴二苯醚 Tribromodiphenyl ether	N.D.	5 mg/kg
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	5 mg/kg
五溴二苯醚 Pentabromodiphenyl ether	N.D.	5 mg/kg
六溴二苯醚 Hexabromodiphenyl ether	N.D.	5 mg/kg
七溴二苯醚 Heptabromodiphenyl ether	N.D.	5 mg/kg
八溴二苯醚 Octabromodiphenyl ether	N.D.	5 mg/kg
九溴二苯醚 Nonabromodiphenyl ether	N.D.	5 mg/kg
十溴二苯醚 Decabromodiphenyl ether	N.D.	5 mg/kg



检测报告
Test Report

报告编号 A2230031385101001E

Report No. A2230031385101001E

第 4 页 共 7 页

Page 4 of 7

检测结果 Test Result(s)

测试项目 Tested Item(s)	结果 Result	方法检出限 MDL
	001	
邻苯二甲酸酯 Phthalates (DBP, BBP, DEHP, DIBP)		
邻苯二甲酸二丁酯 Dibutyl phthalate (DBP) CAS#:84-74-2	N.D.	50 mg/kg
邻苯二甲酸丁基苄基酯 Butyl benzyl phthalate (BBP) CAS#:85-68-7	N.D.	50 mg/kg
邻苯二甲酸二(2-乙基)己酯 Di-(2-ethylhexyl) phthalate (DEHP) CAS#:117-81-7	N.D.	50 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP) CAS#:84-69-5	N.D.	50 mg/kg

样品/部位描述 Sample/Part Description

序号 No.	CTI样品ID CTI Sample ID	描述 Description
1	001	白色硅胶 White silicone

备注: 对于检测铅, 镉, 汞之样品已消解完全。

-N.D. = 未检出 (小于方法检出限)

-mg/kg = ppm = 百万分之一

Remark: The sample(s) had been dissolved totally tested for Lead, Cadmium, Mercury.

-MDL = Method Detection Limit

-N.D. = Not Detected (<MDL)

-mg/kg = ppm = parts per million

注释: 本报告中的数据结果供科研、教学、企业内部质量控制、企业产品研发等目的用。

Note: The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.



检测报告 Test Report

报告编号 A2230031385101001E

Report No. A2230031385101001E

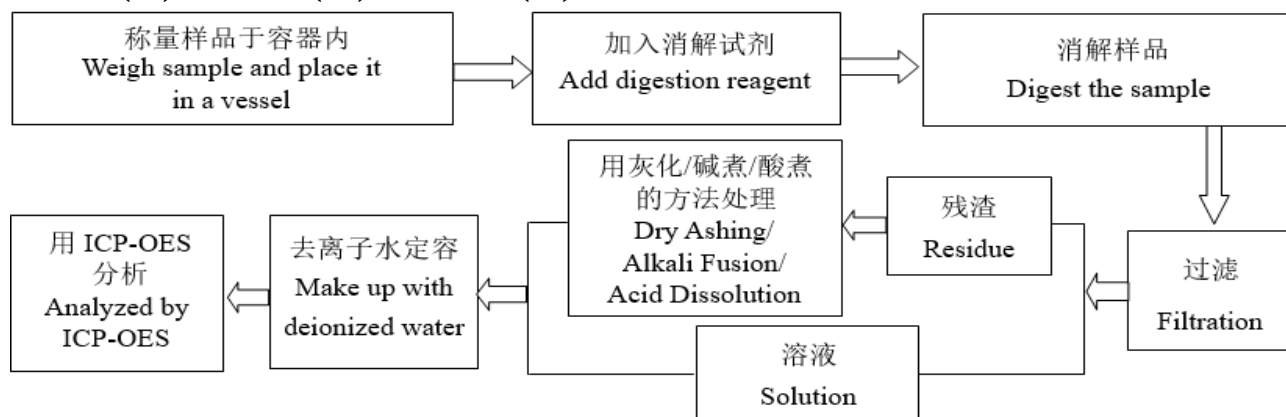
第 5 页 共 7 页

Page 5 of 7

检测流程 Test Process

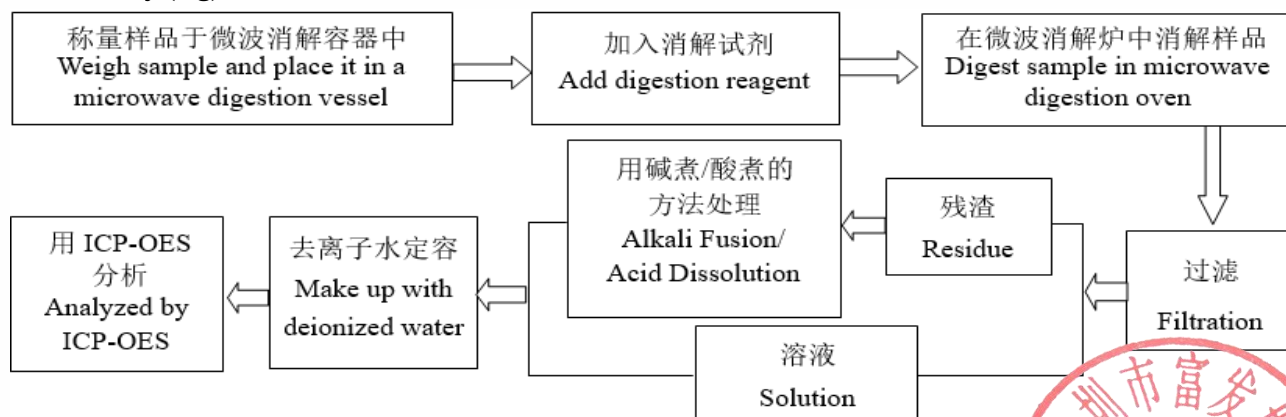
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Lead (Pb), Cadmium (Cd), Chromium (Cr)



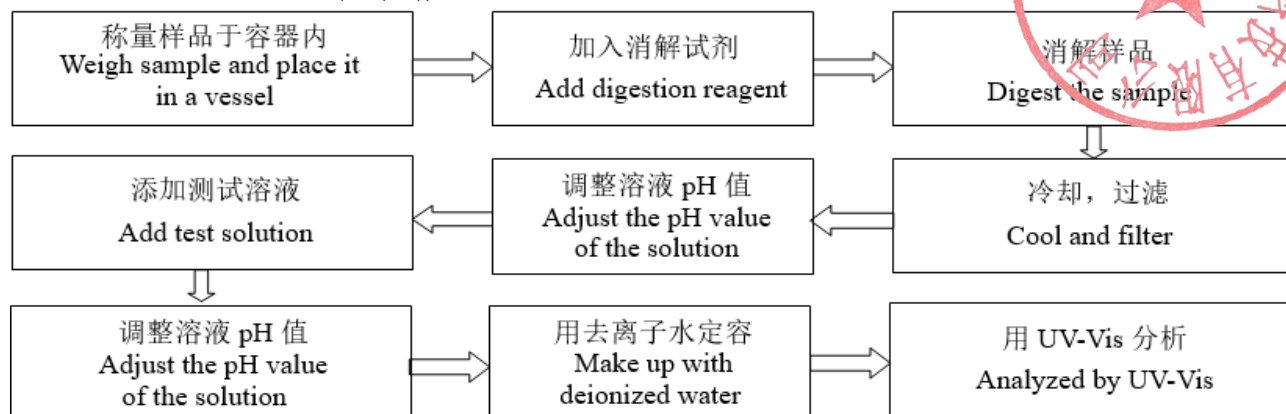
2. 汞(Hg)

Mercury (Hg)



3. 六价铬(Cr(VI))

Hexavalent Chromium (Cr(VI))



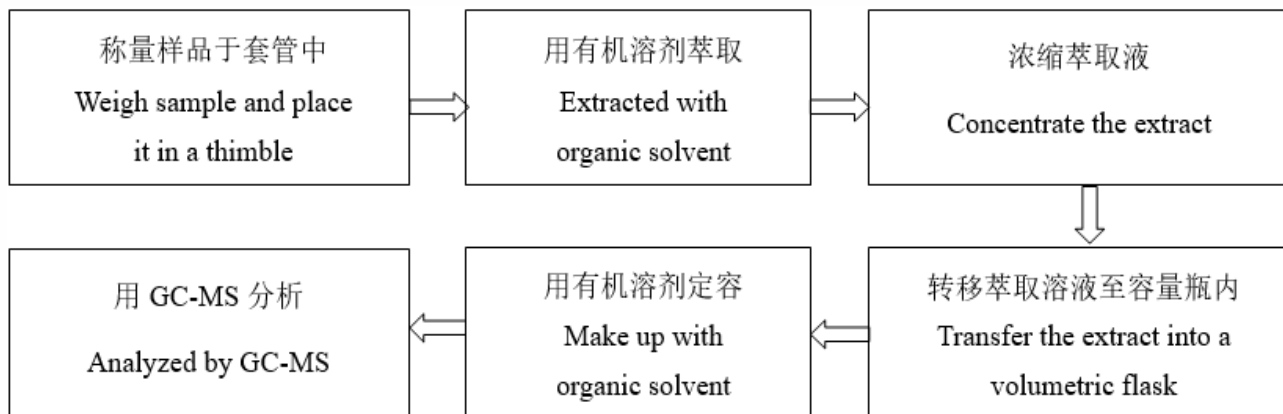
检测报告 Test Report

报告编号 A2230031385101001E
Report No. A2230031385101001E

第 6 页 共 7 页
Page 6 of 7

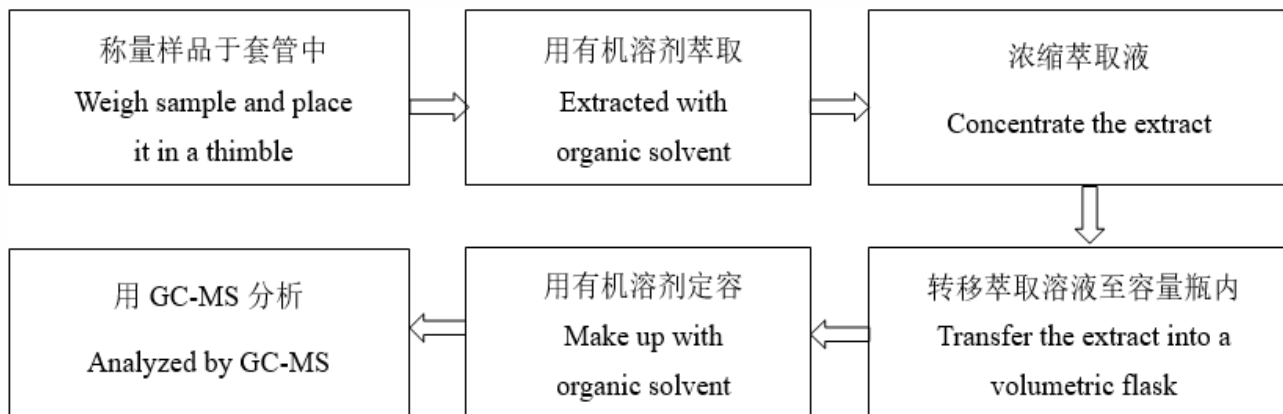
4. 多溴联苯(PBBs), 多溴二苯醚(PBDEs)

Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers (PBDEs)



5. 邻苯二甲酸酯(DBP, BBP, DEHP, DIBP)

Phthalates (DBP, BBP, DEHP, DIBP)



检测报告 Test Report

报告编号 A2230031385101001E
Report No. A2230031385101001E

第 7 页 共 7 页
Page 7 of 7

样品图片 Photo(s) of the sample(s)



声明Statement:

1. 检测报告无批准人签字、“专用章”及报告骑缝章无效;
This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. 报告抬头公司名称及地址、样品及样品信息由申请者提供, 申请者应对其真实性负责, CTI未核实其真实性;
The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. 本报告检测结果仅对受测样品负责;
The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 未经CTI书面同意, 不得部分复制本报告;
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In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.

报告结束
*** End of report ***



附录Appendix

客户参考信息Client Reference Information

型号

FR8332/8342/8352/8362/8372/8382

FR8132/8142/8152/8162/8172/8182

FR8632/8642/8652/8672/8682

R8232/8242/8252/8262/8272/8282

FR8432/8442/8452/8462/8472

GP5052/62/72/42/32、GP5131/41/51/61/71、TR6262

NJ-152P/Q/R/S/T/U/V/W/X/Y/Z-30/40/50/60/70/80/90

EP9561/2、EP9461/62、EP9361/62、EP9261/62、EP9161/62、EP9171(B)、FF7261、MSR-2、SA150/160/150A/160A

NJ-152A/B/C/D/E/F/G/H/I/J/K/L/M/N-/40/50/60/70/80

NJ-252 NJ-262 NJ-272 NJ-282 NJ-332 NJ-342 NJ-352 NJ-362 NJ-372 NJ-382 NJ-432 NJ-442 NJ-452 NJ-462

NJ-472 NJ-482 NJ-532 NJ-542 NJ-552 NJ-562 NJ-572 NJ-582 NJ-342B NJ-352B NJ-362B NJ-372B NJ-382B

NJ-332A NJ-352A NJ-362A NJ-362H NJ-382D

NJ-352M-30/40/50/60/70/80

NJ-352N-30/40/50/60/70/80

NJ-352H-30/40/50/60/70/80

NJ-352M-30D/40D/50D/60D/70D/80D

NJ-452C-30/40/50/60/70/80 NJ-452A-30/40/50/60/70/80 NJ-652A-30/40/50/60/70/80

NJ-652B-10/30/40/50/60/70/80/90 NJ-652C-30/40/50/60/70/80 NJ-652HA-30/40/50/60/70/80

NJ-552C-30/40/50/60/70/80 NJ-752C-30/50/60/70/80 NJ-752A-30/50/60/70/80 NJ-652Y-30/40/50/60/70/80

NJ-652L-30/40/50/60/70/80 NJ-652D-30/40/50/60/70/80

RG6363/6373/6342; RG8672; NJ-652DY-60/70/80

RG3232/RG3252/RG3272/RG3282、FH6261/FH6271;FH6161/FH6171、FH6262

RG3652/3662/3672/3682

NJ-2130、NJ-2140、NJ-3140TR、NJ-2142、NJ-2150、NJ-2151、NJ2152、NJ-2162、NJ-2160、NJ-2170、NJ-2172、

NJ-2180、NJ-2230、NJ-2240、NJ-2250、NJ-2252、NJ-2253、NJ-2260、NJ-2270、NJ-2271、NJ-2272、NJ-2273、

NJ-2274、NJ-2280、NJ-2330、NJ-2340、NJ-2350、NJ-2360、NJ-2320、NJ-2380

NJ-2430、NJ-2440、NJ-2450、NJ-2460、NJ-2470、NJ-2480

NJ-2530、NJ-2540、NJ-2550、NJ-2560、NJ-2570、NJ-2580

NJ-2630、NJ-2640、NJ-2650、NJ-2660、NJ-2670、NJ-2680

NJ-2730、NJ-2740、NJ-2750、NJ-2760、NJ-2770、NJ-2780

NJ-1130、NJ-1140、NJ-1150、NJ-1160、NJ-1170、NJ-1180

NJ-1230、NJ-1240、NJ-1250、NJ-1260、NJ-1270、NJ-1280

NJ-1330、NJ-1340、NJ-1350、NJ-1360、NJ-1370、NJ-1380

NJ-1430、NJ-1440、NJ-1450、NJ-1460、NJ-1470、NJ-1480

NJ-1530、NJ-1540、NJ-1550、NJ-1560、NJ-1570、NJ-1580、NJ-3151、

NJ-4240P、NJ-4250P、NJ-4260P、NJ-4270P、NJ-4275P、NJ-4280P、NJ-4375P、NJ-3130P、NJ-3140P、NJ-3150P、

NJ-3160P、NJ-3170P、NJ-3175P、NJ-9240E、NJ-2240EL



声明Statement:

1. 附录内容由申请者提供, 申请者应对其真实性负责, CTI未核实其真实性。

The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.

2. 附录内容为A2230031385101001E报告的补充。

The Appendix Information is/are the supplement(s) for the Report A2230031385101001E.

物質安全資料表(M S D S)

一.物品與廠商資料:

物品中(英)文名稱：硅胶色母/硫化剂

製造商名稱：東莞市良晟有机硅科技有限公司

製造商地址：東莞市塘厦镇蛟乙塘银湖工业区 9 号

製造商電話：0769-82108989

傳真：0769-82108180

编辑日期：2021/6/13



二.成分辨識資料

序號	材質名稱	製造商	成份含量%	CAS 號
1	甲基乙基矽橡膠	東爵精細化工（南京）有限公司	35	63231-67-4
2	氧化物	江苏强盛化工有限公司	35	78-63-7
3	高效抗黄剂	广州佳豪科技有限公司	30	63148-62-9

三:危害辨識資料

重要危害效應	進入人體的途徑 ☐ 吸入 ☒ 吞食
	健康危害效應
	1. 吸入：無適合資料
	2. 食入：正常使用時只具很低的攝入危害
	環境影響：對水資源可能存在影響
	物理性及化學性危害：當物品被加熱至 150℃以上時，可能會釋放微量的甲醛
	特殊危害：不適用
主要症狀：眼睛直接接觸可能引起短暫的發紅及不舒服，其他並無明顯症狀	
物品危害分類：不適用	

四.急救措施:

不同暴露途徑之急救方法： ·吸入：單一時間暴露不會有重大影響 ·食入：對症醫治 ·皮膚接觸：進餐和下班清洗要充分 ·眼睛接觸：毋需急治	
最重要症狀及危害效應：無危害性	
對急救人員之防護：對症醫治	
對醫師之提示：對症醫治	

五 滅火措施

適用滅火劑：大火時使用幹化學物品、泡沫或水霧；小火時使用二氧化碳、幹化學物品或水霧。可以水冷卻暴露於火災中的容器。
滅火時可能遭遇之特殊危害：無
特殊滅火程式：根據當地緊急計畫，決定是否需要撤離或隔離該區域。用水冷卻受火災影響的容器
消防人員特殊防護設備：應佩戴自給式呼吸器及防護衣物

六 洩露處理方法:

個人應注意事項：避免眼睛接觸，不可內服
環境注意事項：不允許大量地進入排水系統或水面
清理方法：遵守在本物質安全資料表中所列的所有的個人防護設備使用建議。假如圍堵的物品可以被吸起，應將其裝入合適的容器內。抹去或鏟起並裝入容器內，以使回收利用或廢棄。適當清理

洩露區域，因為有些矽酮物品即使在很少量時也會產生滑膩危害。要求使用蒸汽、溶劑或清潔劑作最終清理。適當處理浸透飽和的吸收劑或清潔物品，因為其可能產生自熱。有關法律規定可能適用於本物品的洩漏與釋放，同樣也適用於用來清理洩漏的材料物品。您需要確定較合適的法律法規。



七 安全處置與儲存方法:

處置方法：使用充分的通風排氣設備，請於操作後進行清洗

儲存條件：1.儲存的溫度在-20~40℃之間；2.相對溫度 50%~70%之間；3.儲存環境應通風、乾燥。

操作與儲存注意事項：需謹慎小心，遠離氧化性物料儲存

八 暴露預防措施:

工程控制:

通風設備：建議使用

個人防護設備:

·呼吸防護：不需要使用呼吸防護

·手部防護：毋需使用

·眼睛防護：使用適當的防護——安全眼鏡是最起碼要求

·皮膚及身體防護：進餐和下班時清洗要充分

九.物理及化學性質:

物理狀態:彈性體	形狀：透明胶状
顏色：透明、淡黃色	氣味：微氣味
PH 值：未測定	沸點/沸點範圍：未測定

分解溫度：不適用	閃火點：不適用 測試方法
自然溫度：不適用	
蒸汽壓：不適用	蒸汽密度：不適用
密度：1.15±0.05g/cm ³	溶解度：不適用

十.安全性及反應性

安定性
特殊情況下可能之危害反應：產生氣體或粉塵污染
應避免之狀況：和強氧化劑接觸
應避免之物質：強氧化劑
危害分解物：二氧化碳及微量的未完全燃燒的碳化物、二氧化矽。

十一.毒性資料

急毒性：不適用
局部效應：未知
致敏感性：未知
慢毒性或長期毒性：未知
特殊效應:未知

十二.生態資料

可能之環境影響/環境分佈：不能溶解于水，不可能預示的有害影響

十三.廢棄處置方法

廢棄處置方法：按當地法規進行廢棄處理

十四.運輸資料

國際運輸規定：無
聯合國編號：無
國內運輸規定：可按普通化工品條件辦理
特殊運輸方法及注意事項：無運輸危險性

十五.法規資料

應用法規：工作場所安全使用化學品規定[（1961）勞部發423號]，針對化學危險品的安全使用，生產、儲存、運輸、裝卸等方面均作了相應規定。

十六.其他資料

參考文獻	這個資料不是產品說明書，而是為了提供有代表性價值的概念。這裏沒有擔保、表白或暗示。推薦的工業衛生和安全處理程式相信已基本適用。然而，每位用戶應於使用前審閱此產品預定使用方式的建議並決定是否適用。	
聯絡人：技術服務工程師	聯繫電話：0769-82108989	
製作單位	東莞市良晟有机硅科技有限公司	

Test Report

No. SZXEC2201975103

Date: 17 Jun 2022

Page 1 of 6

Client Name : DONGGUAN LIANGSHENG ORGANIC SILICON TECHNOLOGY CO., LTD

Client Address : DONGGUAN FOLLOWING TIAN XINFENG OF ROAD NO. 2

Sample Name : The silicone masterbatch
 Model No. : 1924
 Client Ref. Info. : 1924,1925,1801,1802,2806,6801,1400,1701,1408,1101,1103,1740,
 1328,1105,1109A,1204,1526,1508,1520,1521,1600,1601,1602,1320,
 1522,1331,1332,1342,1141,1408A,1242,1329A,1721,1241,2110,
 2321,1720,1333,1330,1409,1351,2203,2104,1807,1703,1541,4117

The above sample(s) and information were provided by the client.

SGS Job No. : RP22-015344 - SZ
 Date of Sample Received : 14 Jun 2022
 Testing Period : 14 Jun 2022 - 17 Jun 2022
 Test Requested : Selected test(s) as requested by the client.
 Test Method(s) : Please refer to next page(s).
 Test Result(s) : Please refer to next page(s).
 Conclusion : Based on the performed tests on submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP), and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU.

Signed for and on behalf of
 SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Andy

Andy Ni
 Approved Signatory



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Test Report

No. SZXEC2201975103

Date: 17 Jun 2022

Page 2 of 6

Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SZX22-019751.002	Dark brown material

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Method : With reference to IEC 62321-4:2013+AMD1:2017, IEC62321-5:2013, IEC62321-7-2:2017, IEC 62321-6:2015 and IEC62321-8:2017, analyzed by ICP-OES, UV-Vis and GC-MS.

Test Item(s)	Limit	Unit	MDL	002
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1,000	mg/kg	2	ND
Mercury (Hg)	1,000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))	1,000	mg/kg	8	ND
Sum of PBBs	1,000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1,000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND
Pentabromodiphenyl ether	-	mg/kg	5	ND



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Shenzhen Branch Testing Center Chemical Laboratory

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Test Report

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Date: 17 Jun 2022

Page 3 of 6

Test Item(s)	Limit	Unit	MDL	002
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND
Dibutyl Phthalate (DBP)	1000	mg/kg	50	ND
Butyl benzyl Phthalate (BBP)	1000	mg/kg	50	ND
Bis(2-ethylhexyl) Phthalate (DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalate (DIBP)	1000	mg/kg	50	ND

Notes :

(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.

(2) IEC 62321 series is equivalent to EN 62321 series

https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25

(3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



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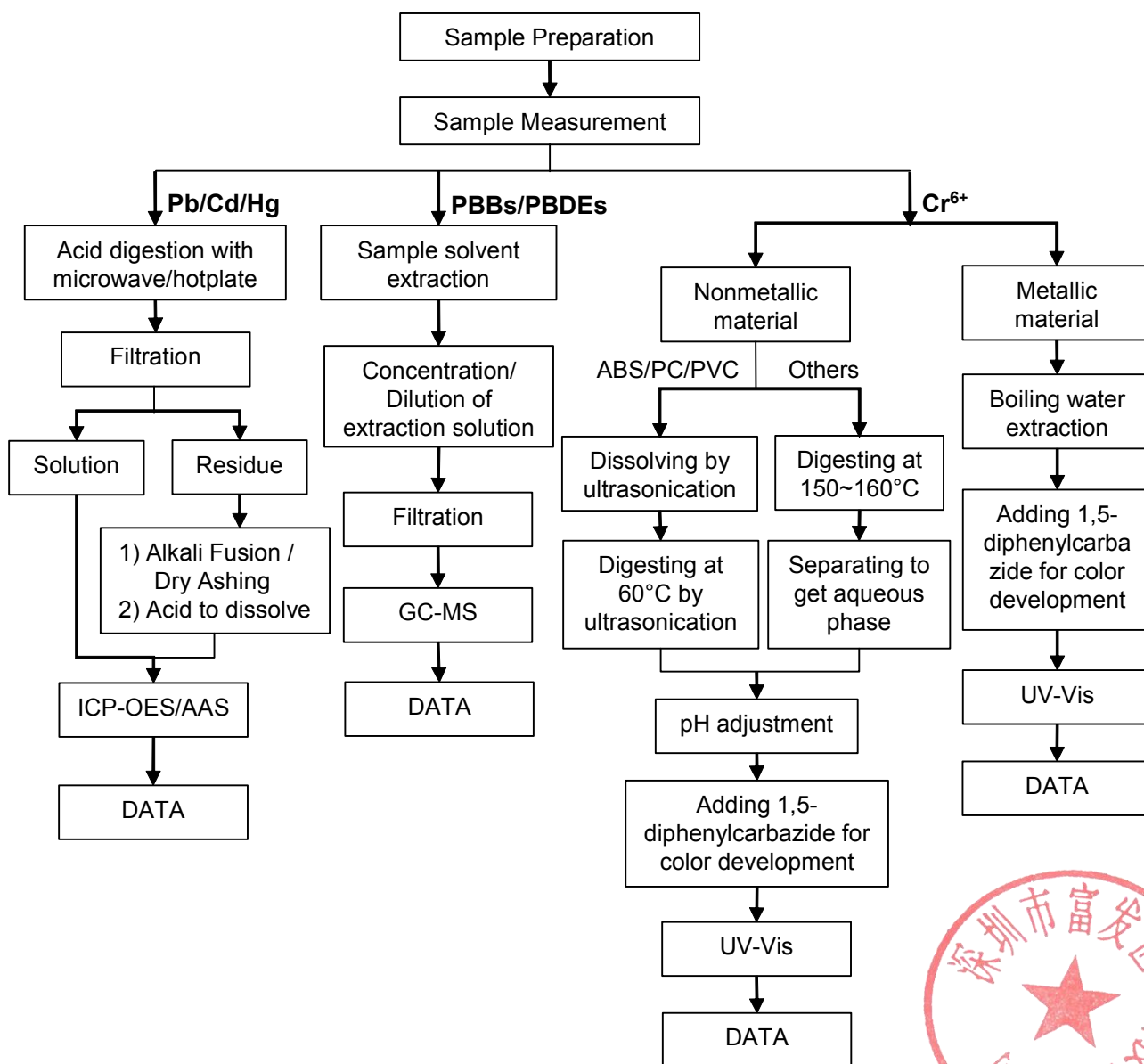
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ATTACHMENTS

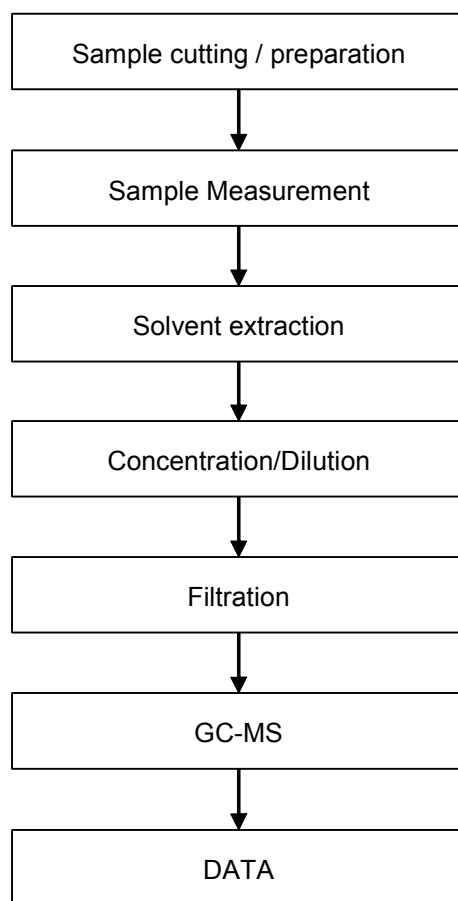
Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs Testing Flow Chart

- 1) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ and PBBs/PBDEs test method excluded).



ATTACHMENTS

Phthalates Testing Flow Chart



Test Report

No. SZXEC2201975103

Date: 17 Jun 2022

Page 6 of 6

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



Test Report

No. SZXEC2201975104

Date: 17 Jun 2022

Page 1 of 4

Client Name : DONGGUAN LIANGSHENG ORGANIC SILICON TECHNOLOGY CO., LTD

Client Address : DONGGUAN FOLLOWING TIAN XINFENG OF ROAD NO. 2

Sample Name : The silicone masterbatch
 Model No. : 1924
 Client Ref. Info. : 1924,1925,1801,1802,2806,6801,1400,1701,1408,1101,1103,1740,
 1328,1105,1109A,1204,1526,1508,1520,1521,1600,1601,1602,1320,
 1522,1331,1332,1342,1141,1408A,1242,1329A,1721,1241,2110,
 2321,1720,1333,1330,1409,1351,2203,2104,1807,1703,1541,4117

The above sample(s) and information were provided by the client.

SGS Job No. : RP22-015344 - SZ
 Date of Sample Received : 14 Jun 2022
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 Test Requested : Selected test(s) as requested by the client.
 Test Method(s) : Please refer to next page(s).
 Test Result(s) : Please refer to next page(s).

Signed for and on behalf of
 SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

Andy

Andy Ni
 Approved Signatory



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Room 101-901, Plant 4 & Room 101, Plant 2 & Room 101, Plant 3 & Room 301-501, Plant 3, Jianghao (Bantian) Industrial Plant Area, No. 430, Jihua Road, Bantian Community, Bantian Street, Longgang District, Shenzhen, Guangdong, China 518129 www.sgs.com.cn
 中国·广东·深圳市龙岗区坂田街道坂田社区吉华路430号江源(坂田)工业厂区厂房4号101-901、2号101、3号101、3号301-501 邮编:518129 t(86-755) 25328888 sgs.china@sgs.com

Test Report

No. SZXEC2201975104

Date: 17 Jun 2022

Page 2 of 4

Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	SZX22-019751.002	Dark brown material

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Halogen

Test Method : With reference to EN 14582:2016, analysis was performed by IC.

Test Item(s)	Unit	MDL	002
Fluorine (F)	mg/kg	50	ND
Chlorine (Cl)	mg/kg	50	ND
Bromine (Br)	mg/kg	50	ND
Iodine (I)	mg/kg	50	ND

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



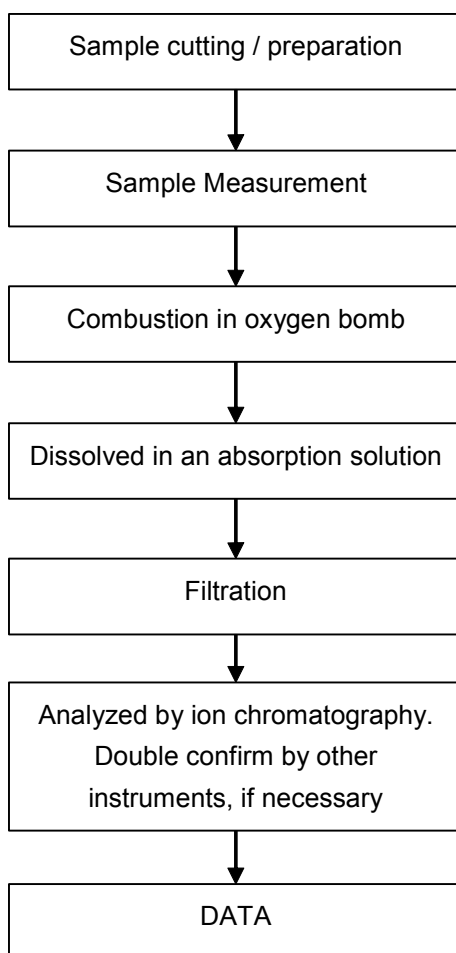
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ATTACHMENTS

Halogen Testing Flow Chart



Test Report

No. SZXEC2201975104

Date: 17 Jun 2022

Page 4 of 4

Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***



化学品安全技术说明书

二叔丁基过氧化物

九江前发精细化工有限公司

版本号: 0.1

化学品安全技术说明书 - 按照GB/T 16483(2008), GB/T 17519(2013)编制

MSDS 编号: 220510070143-29

制表日期: 11/05/2022

打印日期: 11/05/2022

部分 1: 化学品及企业标识

产品名称

产品名称	二叔丁基过氧化物
别名	引发剂A
正确运输名称	固态D型有机过氧化物
其他识别方式	DTBP-40

产品推荐及限制用途

相关确定用途	引发剂
--------	-----

制造商、输入者或供应者

企业名称	九江前发精细化工有限公司
企业地址	江西省九江市湖口县高新技术产业园
电话:	13585089765
传真:	0792-3668018
网站	http://www.jjqfjx.cn/
电子邮件	1406628536@qq.com

应急电话

协会/组织	九江前发精细化工有限公司
应急电话:	0792-3668023
其他应急电话号码	13585089765

部分 2: 危险性概述

物质及混合物的分类

GHS 危害性评分

	Min	Max	
易燃性	0		
毒性	0		0 = 最低限度
身体接触	0		1 = 低
反应性	2		2 = 中等
慢性	0		3 = 高
			4 = 极度

紧急情况概述

固体。
不能与水混合。
浮在水上。可燃。
增加火灾危险性。
跟可燃物质接触可能会引起火灾。
对眼睛有刺激性。



危险性类别 [1]	有机过氧化物D型
图例:	1. GHS 等级鉴定; 2. 危险化学品分类信息表; 3. EC Directive 1272/2008 - Annex VI - 等级分类

标签要素

GHS象形图	
--------	--

二叔丁基过氧化物

信号词	警告
-----	----

危险性说明

H242	加热可能起火
------	--------

防范说明: 预防措施

P210	远离热源/火花/明火/热表面。 禁止吸烟。
P234	只能在原容器中存放。
P280	戴防护手套 和 穿防护服。
P220	远离服装和其他可燃材料。

防范说明: 事故响应

不适用

防范说明: 安全储存

P411+P235	贮存温度不超过SADT（30℃）的温度。保持低温。
P410	防日晒。
P420	远离其他材料存放。

防范说明: 废弃处置

P501	按照当地/区域/国家/国际规章处置内装物/容器。
------	--------------------------

物理和化学危险

固体。
不能与水混合。
浮在水上。可燃。
增加火灾危险性。
跟可燃物质接触可能会引起火灾。
高度易燃。
火灾产生有毒烟雾。

健康危害

吸入	不认为吸入该物质会引起对健康有害的影响或呼吸道刺激(使用动物模型根据欧盟指令分类)。然而，良好的卫生措施要将接触程度控制在最低的水平，并在工作场所采用合适的控制措施。
食入	根据欧盟指令或其它分类系统该物质未被分类为"吞咽有害"。这是因为缺乏确凿的动物或人类证据。摄入该物质仍可对个体的健康造成危害，尤其是在先前存在明显器官(如肝脏、肾脏) 损伤时。目前对有害或有毒物质的定义一般是根据导致死亡的剂量而不根据致病（疾病、不适）的剂量。胃肠道不适可能产生恶心和呕吐。然而，在工作场所摄入微量本物质并不认为是危险的。
皮肤接触	该液体可能混溶于脂类或油类，可使皮肤脱脂，引起一种被称为非过敏性接触性皮炎的皮肤反应。按照欧盟指令的描述，该物质不太可能引发刺激性皮炎。
眼睛	虽然不认为该液体具有刺激性(按欧盟指令分类)，但是眼睛直接接触可引起暂时不适感，出现流泪或结膜变红(类似吹风机性皮肤伤)。
慢性	认为长期接触该物质不会引起对健康有害的慢性影响(使用动物模型根据欧盟指令分类)；但是，理所当然应当将暴露减少到最低。

环境危害

请参阅第十二部分

其他危险性质

可能会造成呼吸系统和皮肤不适*。
不适用

部分 3: 成分/组成信息

物质

请参阅以下部分 - 混合物组成信息。

混合物

CAS 号码	浓度或浓度范围 (质量分数 %)	组分
110-05-4*	35-40	二叔丁基过氧化物
63148-57-2	10-15	含氢硅油
6339 4-02-5	40-50	硅橡胶

图例:	1. GHS 等级鉴定; 2. 危险化学品分类信息表; 3. EC Directive 1272/2008 - Annex VI - 等级分类; 4. Classification drawn from C&L; *
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部分 4: 急救措施

急救

眼睛接触	如果眼睛接触本产品：
------	------------

Continued...

二叔丁基过氧化物

	立即用清水进行冲洗。 如果刺激持续，应就医。 眼睛受伤后，隐形眼镜只能由受过专门训练的人员取下。
皮肤接触	如果接触皮肤或头发： 用流动清水(如果可能，用肥皂)冲洗皮肤和头发。 如有刺激感，应当就医。
吸入	如果吸入烟气，气溶胶或燃烧产物，将患者转移出污染区。 一般不需采取其它措施。
食入	立即提供一杯水。 一般不需要急救。如有疑问，联系毒物信息中心或医生。

对保护施救者的忠告

对医生的特别提示

对症治疗。

部分 5: 消防措施

灭火剂

- ▶ 泡沫。
- ▶ 化学干粉。
- ▶ BCF(当法规允许时)。
- ▶ 二氧化碳。

特别危险性

火灾禁忌	▶ 避免被氧化剂，诸如硝酸盐、氧化性酸、含氯漂白粉、游泳池消毒氯等物质污染，因为可能引起着火。
------	---

灭火注意事项及防护措施

消防措施	报告消防队，并告知事故位置与危害特性。 可具有激烈或爆炸反应性。 仅在发生火灾时，佩戴呼吸设备和防护手套。 用各种方法防止废液进入阴沟或水道。
火灾/爆炸危害	液体和蒸气高度易燃。 受热、接触明火或氧化剂，有严重的火灾危险。 蒸气可能会飘散到离火源相当远的地方。 受热可能引起膨胀或分解，导致容器急剧破裂。 燃烧产品包括： 不燃烧，但会增强火势。 摩擦、撞击、受热或密封环境能引发爆炸。 受热能引起膨胀或分解，导致容器急剧破裂。 受热影响的容器持有危害性。 二氧化碳（CO ₂ ） 其它热解产物的典型燃烧有机材料制成。



部分 6: 泄漏应急处理

作业人员防护措施，防护装备和应急处置程序

请参见第8部分

防止发生次生灾害的预防措施

请参见以上部分

环境保护措施

请参见第12部分

泄漏化学品的收容，清除方法及所使用的处置材料

小量泄漏	清除所有点火源。 立即清理所有泄漏物。 避免吸入蒸气，避免避免接触皮和眼睛。 使用防护装备控制人员接触。
大量泄漏	疏散所有工作人员，向上风向转移。 报告消防队，并告知他们事故地点和危害性质。 使用防护设备以控制人员接触。 防止溢出物进入下水道、排水道或水道。

个体防护设备的建议位于本SDS的第八部分。

部分 7: 操作处置与储存

操作处置注意事项

Continued...

二叔丁基过氧化物

安全操作	即使是那些已经被清空的容器也可能含有爆炸性蒸气。 不准对容器或在容器附近切割、钻孔、粉碎、焊接或进行类似操作。 避免个体接触，包括吸入。 当有接触危险时，穿戴防护服。 在通风良好的区域使用。 防止本品在低洼处汇集。
其他信息	采用原装容器存放在经批准的防爆区域。 禁止吸烟、明火、受热或接触点火源。 禁止存放在凹坑、洼地、地下室或者蒸气能够汇聚的场所。 保持容器安全密封。

储存注意事项

适当容器	按制造商提供的方法包装。 塑料容器只能在批准用于易燃液体后使用。 检查所有容器保证标签清晰、无泄漏。 对粘度低的物质 (i): 必须用顶部不可拆卸的桶和简易罐。 (ii): 当罐被用于内包装时，必须有螺丝固定的外壳。 对于粘度不低于2680cSt(23℃) 的物质 对于粘度不低于250cSt(23℃)的产品 以及粘度不低于20cSt(23℃)，使用前需要搅拌的产品要求 (i):可揭开顶部的包装； (ii):使用摩擦密封的罐； (iii): 可以使用低压管和桶。 使用内包装是玻璃的组合包装时，在内外包装接触的地方必须有充足的惰性填充物。 E和F类液体为有机过氧化物，如UN3107和UN3109、UN3117和UN3119，需要根据联合国危险物品法规包装方法OP8A的要求进行包装，最大包装重量为200kg或最大包装体积为225 L。 应该使用塑料桶或以塑料为衬里的容器以及金属外部桶。
储存禁配	防止污染水源、食品、饲料或种子。 避免与氧化剂反应

部分 8: 接触控制和个体防护

控制参数

- 职业接触限值
- 成分数据
- 无资料
- 紧急限制

成分	TEEL-1	TEEL-2	TEEL-3
二叔丁基过氧化物	7.3 ppm	81 ppm	180 ppm

成分	原IDLH	修订IDLH
二叔丁基过氧化物	无资料	无资料

接触控制

工程控制	采用工程控制消除危害，或在工人和危害间设置一道屏障。精心设计的工程控制能够非常有效地保护工人，而且，通常能不受工人间相互作用影响的提高保护水平。 工程控制的基本类型有： 通过改变作业活动或工艺流程方式的过程控制以降低风险。 将排放源封闭和/或隔离开，使目标危险与工人物理隔离，以及能够策略性地为工作场所“添加新鲜空气”、“除去污浊的空气”的通风系统。如果设计合理，通风能够去除或降低空气污染。通风系统的设计必须符合特定工艺以及使用的化学品或污染物。 雇主可能需要使用多种类型的控制措施以防止员工的过度暴露。
个体防护装备	
眼面防护	带侧框保护的安全眼镜。 化学护目镜。 隐形眼镜可能会造成特殊危害；软性隐形眼镜可能会吸收和浓缩的刺激物。每个工作场所或作业平台都应该制定关于佩戴隐形眼镜或使用限制的书面策略文件。它应该包括关于镜片在使用中对该类化学品的吸收性和吸附性的评估报告，以及一份伤害史报告。医疗和急救人员应该进行相关取出隐形眼镜的急救培训，同时相关的急救设备应该容易获得。在发生化学品接触时，应当立即开始冲洗眼睛并尽可能快地摘下隐形眼镜。 一旦出现眼睛变红或有刺激感，应当摘下隐形眼镜—只有在工人彻底洗净双手后，并在一个干净的环境中进行。
皮肤防护	请参阅手防护: 以下
手/脚的保护	戴一般防护手套，如轻质橡胶手套。
身体防护	请参阅其他防护: 以下
其他防护	工作服。 PVC（聚氯乙烯）围裙。 如果暴露严重，可能需要聚氯乙烯防护服。 洗眼装置。 不推荐使用某些塑料个体防护用品 (PPE) (如手套、围裙和套鞋)，因为它们可能会产生静电。 对于大规模或连续使用，穿密织布、防静电服装(无金属扣件、袖口或口袋)，不产生火花的安全鞋。



呼吸系统防护

微粒过滤器有足够的容量。（AS/NZS1716及1715年，ANSI Z88 EN143:2000和149:001，或相当于国家）

防护系数	半面具呼吸器	全面具呼吸器	电动送风呼吸器
10 x ES	P1 空气管*	-	PAPR-P1 -
50 x ES	空气管**	P2	PAPR-P2
100 x ES	-	P3	-
		空气管*	-
100+ x ES	-	空气管**	PAPR-P3

* 需负压型 ** - 连续流

部分 9: 理化特性

基本物理及化学性质

外观	膏状		
物理状态	固体	相对密度 (水 = 1)	1.02
气味	无资料	分配系数 正辛醇/水	无资料
气味阈值	无资料	自燃温度 (°C)	无资料
pH (按供应)	无资料	分解温度	无资料
熔点/冰点 (°C)	无资料	粘性 (cSt)	无资料
初馏点和沸点范围 (°C)	111	分子量 (g/mol)	无资料
闪点 (°C)	12	味	无资料
蒸发速率	无资料	爆炸性质	无资料
易燃性	易燃。	氧化性质	无资料
爆炸上限 (%)	1	表面张力 (dyn/cm or mN/m)	不适用
爆炸下限 (%)	0.74	挥发性成份 (% 体积)	无资料
蒸气压 (kPa)	2.6	气体组	无资料
水中溶解度	不互溶	溶液的pH值 (无资料%)	无资料
蒸气密度 (空气=1)	无资料	VOC g/L	无资料

部分 10: 稳定性和反应性

反应性	请参阅第7部分
稳定性	存在不相容的物质。 物质被认为具有稳定性。 不会发生危险的聚合反应。
危险反应	请参阅第7部分
应避免的条件	请参阅第7部分
禁配物	请参阅第7部分
危险的分解产物	请参阅第5部分



部分 11: 毒理学信息

二叔丁基过氧化物	毒性	刺激性
	无资料	无资料
二叔丁基过氧化物	毒性	刺激性
	口服（鼠） LD50; >2000 mg/kg ^[1] 吸入（鼠） LC50; >22 mg/l4h ^[1]	皮肤：没有观察到不利的影响（未刺激） ^[1] 眼：没有观察到不利的影响（未刺激） ^[1]

二叔丁基过氧化物

	经皮（鼠）LD50: >2000 mg/kg ^[1]		
图例:		1. 数值取自欧洲ECHA注册物质 - 急性毒性 2. 除特别说明，数据均引用自RTECS-化学物质毒性作用记录 - *数值取自制造商的SDS	
急性毒性	✖	致癌性	✖
皮肤刺激/腐蚀	✖	生殖毒性	✖
严重损伤/刺激眼睛	✖	特异性靶器官系统毒性 - 一次接触	✖
呼吸或皮肤过敏	✖	特异性靶器官系统毒性 - 反复接触	✖
诱变性	✖	吸入的危险	✖
图例: ✖ 数据不可用或不填写分类标准 ✔ 有足够数据做出分类			

部分 12: 生态学信息

生态毒性

二叔丁基过氧化物	终点	测试持续时间 (小时)	种类	价值	源
	无资料	无资料	无资料	无资料	无资料
二叔丁基过氧化物	终点	测试持续时间 (小时)	种类	价值	源
	EC50	72h	藻类或其他水生植物	~15mg/l	2
	EC50	48h	甲壳纲动物	> 73.1mg/l	2
	NOEC(ECx)	72h	藻类或其他水生植物	~1.2mg/l	2
	LC50	96h	鱼	10.044mg/l	2
图例: 摘自 1. IUCLID毒性数据 2. 欧洲化学品管理局(ECHA)注册物质 - 生态毒理学信息 - 水生生物毒性 4. 美国环保局, 生态毒理学数据库 - 水生生物毒性数据 5. ECETOC水生危险性评估数据 6. NITE (日本) - 生物浓缩数据 7. 日本经济产业省 (日本) - 生物浓缩数据 8. 供应商数据					

持久性和降解性

成分	持久性：水/土壤	持久性：空气
二叔丁基过氧化物	高	高

潜在的生物累积性

成分	生物积累
二叔丁基过氧化物	低 (LogKOW = 3.448)

土壤中的迁移性

成分	迁移性
二叔丁基过氧化物	低 (KOC = 725.3)

其他不良效应

部分 13: 废弃处置

废弃处置

废弃化学品:	尽可能进行回收。 如果不能确定有合适的处理或废弃处置设备，咨询制造商有关回收的方法，或咨询当地或地方废弃物管理部门有关废弃方法。 按如下方法废弃处置：在经批准特别用于接收化学品和/医药垃圾的填埋场进行掩埋或在有执照的焚烧场进行焚烧(与适当的可燃物质混合后)。对清空的容器进行去污处理。遵守所有的标注规定，直至容器被清洗或销毁为止。
污染包装物:	请参阅以上部分
运输注意事项:	请参阅以上部分

部分 14: 运输信息

包装标志

	
海洋污染物	无



二叔丁基过氧化物

陆上运输 (UN)

联合国危险货物编号 (UN号)	3106	
联合国运输名称	固态D型有机过氧化物	
联合国危险性分类	级	5.2
	亚危险性(SubRisk)	不适用
包装类别	不适用	
环境危害性	不适用	
使用者需知的特殊防范措施	特殊条款:	122; 274
	限量	125 ml

空运(ICA0-IATA / DG)

联合国危险货物编号 (UN号)	3106	
联合国运输名称	固态D型有机过氧化物	
联合国危险性分类	ICA0-TI和IATA-DGR类别	5.2
	ICA0/IATA 亚危险性:	不适用
	ERG 代码	5L
包装类别	不适用	
环境危害性	不适用	
使用者需知的特殊防范措施	特殊条款:	A20 A150 A802
	(只限货物)包装指示	570
	(只限货物)最大数量 / 包装	25 L
	客运及货运包装指示	570
	客运和货运的最大数量 / 包装	10 L
	客运及货运飞机有限数量包装指导	Forbidden
	客运和货运最大限定数量 / 包装	Forbidden

海运(IMDG-Code / GGVSee)

联合国危险货物编号 (UN号)	3106	
联合国运输名称	固态D型有机过氧化物	
联合国危险性分类	IMDG类别	5.2
	IMDG 亚危险性	不适用
包装类别	不适用	
环境危害性	不适用	
使用者需知的特殊防范措施	EMS号码	F-J, S-R
	特殊条款:	122 274
	限制数量	125 mL



根据MARPOL 的附录II和IBC代码进行散装运输
不适用

散装运输按照MARPOL附则V和IMSBC规则

产品名称	团体
二叔丁基过氧化物	无资料

散装运输按照ICG代码

产品名称	船只类型
二叔丁基过氧化物	无资料

注意事项运输

- 运输注意事项
- 运输车辆上应备有所装载的所有危险货物的相关文件。
 - 运输工具上应根据相关运输要求张贴危险标志、公告。
 - 运输车辆应配备相应品种和数量的司机使用及车辆上所有其他乘客逃生使用的个人防护设备。
 - 有机过氧化物的性质决定了它们必须在其对应于每种特定物质的安全温度下运输。避免日晒，用合适的隔离物与其他物质分隔开。

包装方法

请参阅第7部分

部分 15: 法规信息

专门对此物质或混合物的安全，健康和环境的规章 / 法规

二叔丁基过氧化物 出现在以下法规中	
中国现有化学物质清单	2015 危险化学品目录

国家/地区名录收录情况

化学物质名录	情况
澳大利亚 - AIIC /澳大利亚非工业用途	是
加拿大 - DSL	是
加拿大- NDSL	没有 (二叔丁基过氧化物)
中国 - IECSC	是
欧盟 - EINECS / ELINCS / NLP	是
日本 - ENCS	是
韩国 - KECI	是
新西兰 - NZIoC	是
菲律宾 - PICCS	是
美国 - TSCA	是
台湾 - TCSI	是
墨西哥 - INSQ	是
越南 - NCI	是
俄罗斯 - FBEPH	是
图例:	是=所有注明CAS编号的化学成分都在清单中。 否 = 一种或多种 CAS 列出的成分不在库存中。这些成分可能被豁免或需要注册。

部分 16: 其他信息

修订日期：	11/05/2022
最初编制日期	11/05/2022

SDS版本摘要

版本	日期更新	部分已更新
0.1	11/05/2022	分类, 消防战士（火灾/爆炸危险）, 配料, 溢出（主要）, 存储（存储不相容性）

其他资料

该制备及其单独组分的分类是基于官方和权威的资料，以及Chemwatch分类专家委员会使用已有的参考文献来确定的。
SDS 作为危害信息的交流工具，应该被用来协助风险评估。 很多因素可以用来决定是否需报告危害在工作场所或其它安置是否为危险。 危险性可以通过参考接触情况而决定。使用规模程度，使用的频率和现有或可用的工程控制都是必须要考虑的。

缩略语和首字母缩写

- ▶ PC - TWA: 时间加权平均容许浓度
- ▶ PC - STEL: 短时间接触容许浓度
- ▶ IARC: 国际癌症研究机构
- ▶ ACGIH: 美国政府工业卫生学家会议
- ▶ STEL: 短期接触限值
- ▶ TEEL: 临时紧急暴露限值
- ▶ IDLH: 立即危及生命或健康的浓度
- ▶ ES: 接触标准
- ▶ OSF: 气味安全系数
- ▶ NOAEL: 未观察到不良效应的水平
- ▶ LOAEL: 最低观测不良效应水平
- ▶ TLV: 阈值
- ▶ LOD: 检测下限OTV:
- ▶ 气味阈值BCF: 生物
- ▶ 富集系数BEI: 生物
- ▶ 接触指数
- ▶ AIIC: 澳大利亚工业化学品名录
- ▶ DSL: 国内物质清单
- ▶ NDSL: 非国内物质清单IECSC:
- ▶ 中国现有化学物质名录
- ▶ EINECS: 欧洲现有商业化学物质名录
- ▶ ELINCS: 欧洲通报化学物质清单NLP:
- ▶ 不再是聚合物
- ▶ ENCS: 现有和新化学物质清单
- ▶ KECI: 韩国现有化学品清单
- ▶ NZIoC: 新西兰化学品名录
- ▶ PICCS: 菲律宾化学品和化学物质名录
- ▶ TSCA: 有毒物质控制法
- ▶ TCSI: 台湾化学物质名录
- ▶ INSQ: 国家化学物质名录
- ▶ NCI: 国家化学品名录
- ▶ FBEPH: 俄罗斯潜在危险化学和生物物质登记册



免责声明

本SDS的信息仅使用于所指定的产品，除非特别指明，对于本产品与其他物质的混合物等情况不适用。本SDS只为那些受过适当专业训练的该产品的使用人员提供产品使用安全方面的资料。



Report No.: HLF22006002E

Date: Jun 6, 2022

Page 1 of 5

Applicant : SHENZHEN ONE SILICON ASSISTANT CHEMICAL MATERIAL CO,LTD

Address : 10A, 10F, BUILDING A1, ZHUJIANG PLAZA, LONGCHENG STREET, LONGGANG DISTRICT, SHENZHEN

The following sample(s) and sample information was/were submitted and identified by/on behalf of the client

Sample Name : Mixture
(101-25,DTBP-40GK,DTBP-30GK,F-14,C-30,S-16,C-8,C-8B,C-20,S-17,S-18,S-19,C-14, promoter,
S-15,SHJ-20,S-20,H-10,FS-7,QS-13,C-15,101-40,DTBP-40,TMCH40%
powder, dtbp-30, release agent, external release, 205,203, glue)

Sample Model : /

Sample Lot : /

Sample Received Date : Jun 1, 2022

Test Completed Date : Jun 6, 2022

Test Method : Refer to the next page(s).

Test Results : Refer to the next page(s).



Test Requested	Conclusion
RoHS Directive (EU)2015/863 amending Annex II to Directive 2011/65/EU—Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(CrVI), Polybrominated Biphenyls (PBBs), Polybrominated Biphenyl Ethers(PBDEs), Dibutyl phthalate (DBP), Butyl benzyl phthalate(BBP), Bis-(2-ethylhexyl)phthalate(DEHP), Di-iso-butyl ortho-phthalate(DIBP)	PASS

Reviewed by:



Lab Senior Engineer

Authorized Signature:



Technology Manager

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FLION TESTING TECHNOLOGIES

Add : Gangzi Industrial Park, Furong Industrial Area, Xinqiao Village, Shajing Town, Bao'an District, Shenzhen City

Tel : 86-0755-2724 8885

Fax : 86-0755-2746 0090

Http://www.cnfft.com

Pb, Cd, Hg, Cr(VI), PBBs, PBDEs Test Results:

Test Item	Test method/Instrument	MDL (mg/kg)	Result (mg/kg)	Limit (mg/kg)
Lead(Pb)	IEC62321-5:2013/ICP-OES	2	N.D.	1000
Cadmium(Cd)	IEC62321-5:2013/ICP-OES	2	N.D.	100
Mercury(Hg)	IEC62321-4:2013+A1:2017/ICP-OES	2	N.D.	1000
Hexavalent Chromium(CrVI)	IEC62321-7-2:2017 /UV-VIS	8	N.D.	1000
Sum of PBBs	-	-	N.D.	1000
Monobromobiphenyl	IEC62321-6:2015 /GC-MS	5	N.D.	--
Dibromobiphenyl	IEC62321-6:2015 /GC-MS	5	N.D.	--
Tribromobiphenyl	IEC62321-6:2015 /GC-MS	5	N.D.	--
Tetrabromobiphenyl	IEC62321-6:2015 /GC-MS	5	N.D.	--
Pentabromobiphenyl.	IEC62321-6:2015 /GC-MS	5	N.D.	--
Hexabromobiphenyl	IEC62321-6:2015 /GC-MS	5	N.D.	--
Heptabromobiphenyl	IEC62321-6:2015 /GC-MS	5	N.D.	--
Octabromobiphenyl	IEC62321-6:2015 /GC-MS	5	N.D.	--
Nonabromobiphenyl	IEC62321-6:2015 /GC-MS	5	N.D.	--
Decabromobiphenyl	IEC62321-6:2015 /GC-MS	5	N.D.	--
Sum of PBDEs	-	-	N.D.	1000
Monobromodiphenyl ether	IEC62321-6:2015 /GC-MS	5	N.D.	--
Dibromodiphenyl ether	IEC62321-6:2015 /GC-MS	5	N.D.	--
Tribromodiphenyl ether.	IEC62321-6:2015 /GC-MS	5	N.D.	--
Tetrabromodiphenyl ether.	IEC62321-6:2015 /GC-MS	5	N.D.	--
Pentabromodiphenyl ether	IEC62321-6:2015 /GC-MS	5	N.D.	--
Hexabromodiphenyl ether	IEC62321-6:2015 /GC-MS	5	N.D.	--
Heptabromodiphenyl ether	IEC62321-6:2015 /GC-MS	5	N.D.	--
Octabromodiphenyl ether.	IEC62321-6:2015 /GC-MS	5	N.D.	--
Nonabromodiphenyl ether.	IEC62321-6:2015 /GC-MS	5	N.D.	--
Decabromodiphenyl ether	IEC62321-6:2015 /GC-MS	5	N.D.	--

Note:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) N.D. = Not Detected (less than MDL)
- (3) MDL = Method Detection Limit
- (4) "--" = Not Regulated



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Phthalates Test Results:

Test Item	CAS No.	Test Method / Instrument	MDL (%)	Result (%)	Limit (%)
Dibutyl phthalate (DBP)	84-74-2	IEC 62321-8:2017 / GC-MS	0.005	N.D.	0.1
Butyl benzyl phthalate (BBP)	85-68-7	IEC 62321-8:2017 / GC-MS	0.005	N.D.	0.1
Bis-(2-ethylhexyl)phthalate (DEHP)	117-81-7	IEC 62321-8:2017 / GC-MS	0.005	N.D.	0.1
Di-iso-butyl ortho-phthalate (DIBP)	84-69-5	IEC 62321-8:2017 / GC-MS	0.005	N.D.	0.1

Note:

(1) 1 mg/kg = 1 ppm = 0.0001%

(2) N.D. = Not Detected (less than MDL)

(3) MDL = Method Detection Limit

Remark: The test report is only used for the purpose of customer research, teaching, internal quality control, product development, etc., and is for internal reference only.



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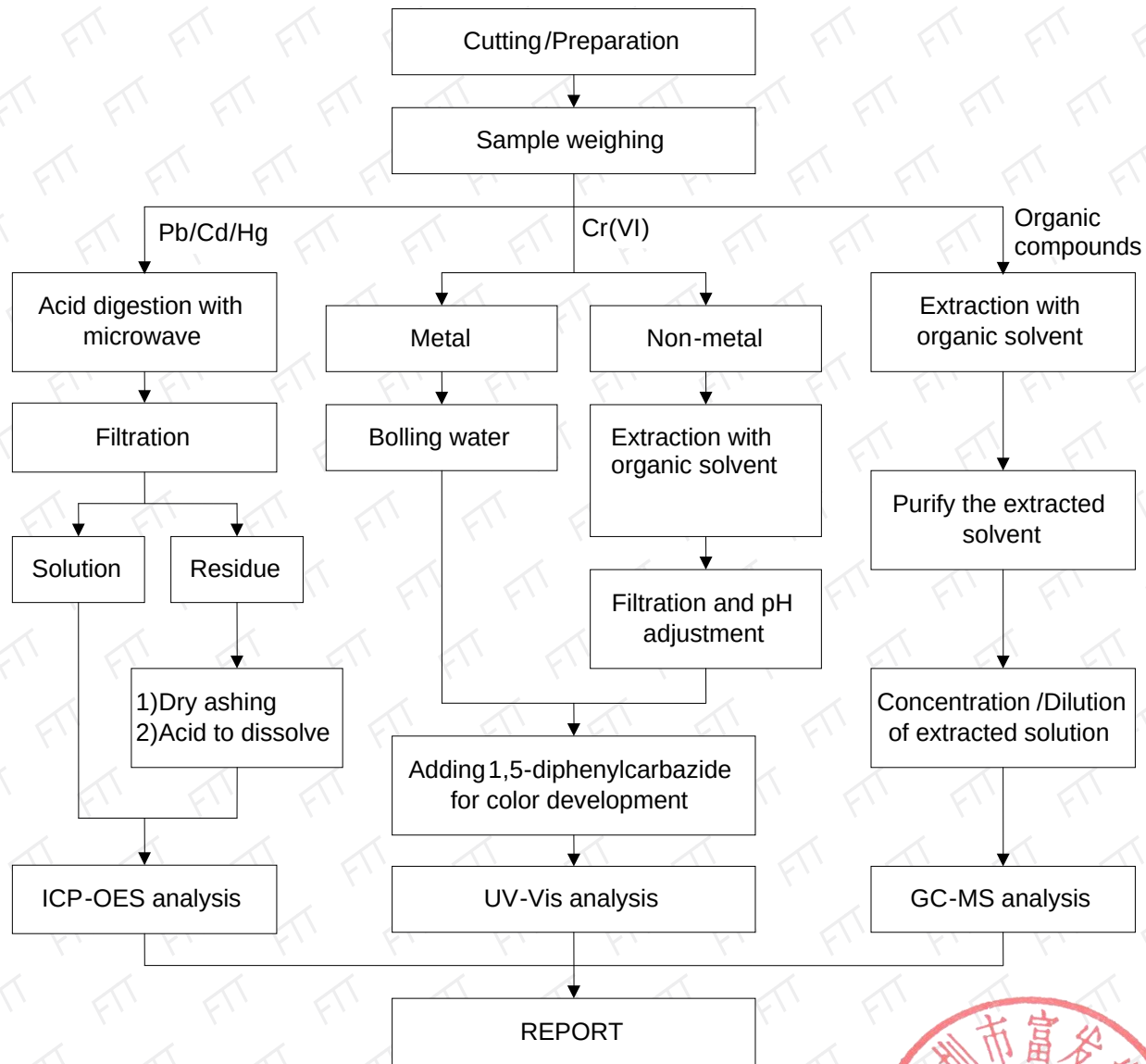
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Fax : 86-0755-2746 0090

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Pb, Cd, Hg, Cr(VI), Organic compounds Testing Flow Chart:



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Report No.: HLF22006002E

Date: Jun 6, 2022

Page 5 of 5

Test Part Description: Paste

Sample Photo



Note: The results shown in this report refer only to the sample(s) tested.

***** End of Report *****



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Tel : 86-0755-2724 8885

Fax : 86-0755-2746 0090

Http://www.cnfft.com

Report No.: HLF22009363E

Date: Sep 29, 2022

Page 1 of 4

Applicant : SHENZHEN ONE SILICON ASSISTANT CHEMICAL MATERIAL CO.,LTD.

Address : 10A, 10F, BUILDING A1, ZHUJIANG PLAZA, LONGCHENG STREET, LONGGANG DISTRICT, SHENZHEN

The following sample(s) and sample information was/were submitted and identified by/on behalf of the client

Sample Name : Mixture 101-25, 101-40, DTBP-40GK, DTBP-40(6), Dtpb-40 (7), DTBP-40(8), DTBP-40(9), DTBP-30GK, F-14, S-16, S-17, S-18, S-19, C-14, C-8, C-8B, C-20, C-30, C8-JG, SK-20, W-3, W-6, W-5, promoters, S-15, SHJ-20, S-20, H-10, FS-7, QS-13, C-15, DTBP-40, TMCH40% powder, DTBP-30, release agent, External release agent, Anti-frost agent, treatment agent, 205,203,2020, glue, N15, J20, crosslinking agent

Sample Model : /

Sample Lot : /

Sample Received Date : Sep 28, 2022

Test Completed Date : Sep 29, 2022

Test Method : Refer to the next page(s).

Test Results : Refer to the next page(s).

Test Requested	Conclusion
Halogen free requirement in Standard IEC 61249-2-21 – Halogen	PASS



Reviewed by:



Lab Senior Engineer

Authorized Signature:



Technology Manager

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Tel : 86-0755-2724 8885

Fax : 86-0755-2746 0090

Http://www.cnfft.com

Halogen Test Results:

Test Item	Test Method / Instrument	MDL (mg/kg)	Result (mg/kg)	Limit (mg/kg)
Fluorine(F)	EN14582-2016/ IC	50	N.D.	--
Chlorine(Cl)	EN14582-2016/ IC	50	N.D.	900
Bromine(Br)	EN14582-2016/ IC	50	N.D.	900
Iodine(I)	EN14582-2016/ IC	50	N.D.	--
Chlorine(Cl)+Bromine(Br)	-	-	N.D.	1500

Note:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) N.D. = Not Detected (less than MDL)
- (3) MDL = Method Detection Limit
- (4) "--" = Not Regulated

Remark: The test report is only used for the purpose of customer research, teaching, internal quality control, product development, etc., and is for internal reference only.



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FLION TESTING TECHNOLOGIES

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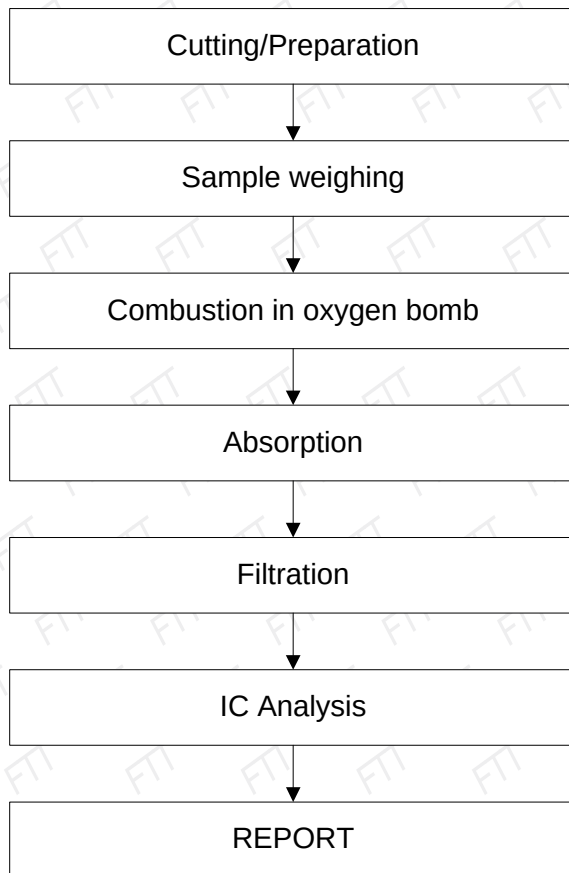
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Fax : 86-0755-2746 0090

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Halogen Testing Flow Chart:



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Http://www.cnfft.com

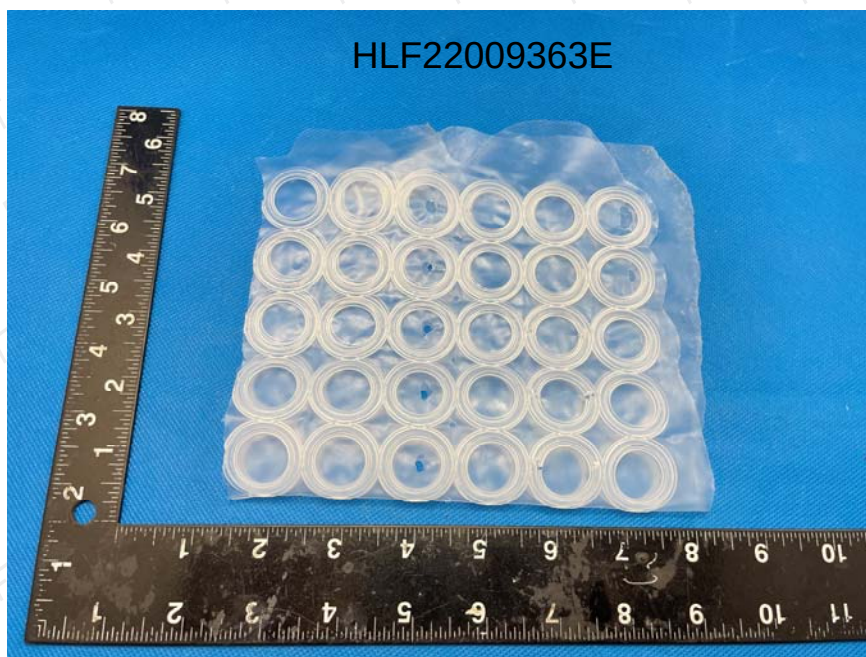
Report No.: HLF22009363E

Date: Sep 29, 2022

Page 4 of 4

Test Part Description: Silica gel

Sample Photo



Note: The results shown in this report refer only to the sample(s) tested.

***** End of Report *****



In no circumstances shall the Company's responsibility extend beyond inspection, testing and reporting upon the samples actually drawn from the bulk and inspected, tested and surveyed by the Company and any inference to be drawn from the results of such inspection or survey or testing shall be entirely in the discretion and at the sole and exclusive responsibility of the Principal. This test report cannot be reproduced except in full.



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Tel : 86-0755-2724 8885

Fax : 86-0755-2746 0090

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High Strength Double Coated Tapes with Adhesive 300LSE

9495LE • 9474LE • 9490LE

Technical Data

September, 2004

Product Description

3M™ Double Coated Tapes 9495LE, 9474LE and 9490LE with 3M™ Adhesive 300LSE provides high bond strength to most surfaces, including many low surface energy plastics such as polypropylene and powder coated paints. The acrylic adhesive also provides excellent adhesion to surfaces contaminated lightly with oil typically used with machine parts. 3M tape 9490LE offers the added feature of 3M™ Adhesive 300MP on one side to provide excellent bond strength to a variety of foam and fabric materials.

Construction

Product Number	Faceside ¹ Adhesive Type/ Thickness	Carrier Type/ Thickness	Backside ² Adhesive Type/ Thickness	Liner Color, Type, Print	Liner Caliper	Total Tape Thickness (w/o liner)
3M™ Double Coated Tape 9495LE ⁴	300LSE/ 0.0028" (0.071mm)	Clear PET ³ 0.0005" (0.013mm)	300LSE/ 0.0034" (0.086mm)	Tan, 58#, Polycoated Kraft, "3M 300LSE"	0.0042" (0.11mm)	0.0067" (0.17mm)
3M™ Double Coated Tape 9474LE	300LSE/ 0.0028" (0.071mm)	Clear PET 0.0005" (0.013mm)	300LSE/ 0.0034" (0.086mm)	⁵ Faceside Liner/ Tan, 58# Polycoated Kraft, no print Backside liner/ Tan, 58#, Polycoated Kraft, "3M 300LSE"	0.0042" (0.11mm)/ 0.0042" (0.11mm)	0.0067" (0.17mm)
3M™ Double Coated Tape 9490LE ⁴	300MP/ 0.0028" (0.071mm)	Clear PET 0.0005" (0.013mm)	300LSE/ 0.0034" (0.086mm)	Tan, 58#, Polycoated Kraft, "3M 300LSE"	0.0042" (0.11mm)	0.0067" (0.17mm)

Note 1: Faceside (FS) adhesive is on the interior of the roll, exposed when unwound.

Note 2: Backside (BS) adhesive is on the exterior of the roll, exposed when liner is removed.

Note 3: PET (Polyester).

Note 4: The caliper listed is based on a calculation from manufacturing controlled adhesive coat weights using a density of 1.012 g/cc. While past data pages have listed a nominal caliper of 6.0 mils for these tapes, the coat weight has not changed.

Note 5: Backside liner is primary (stays with die cut part); Faceside is secondary (removed first).



3M™ High Strength Double Coated Tapes with Adhesive 300LSE

9495LE • 9474LE • 9490LE

Typical Physical Properties and Performance Characteristics	Note: The following technical information and data should be considered representative or typical only and should not be used for specification purposes.		
	Product Number	3M™ Double Coated Tapes 9495LE, 9474LE	3M™ Double Coated Tape 9490LE
Adhesion to stainless steel ASTM D3330 - 90 degree		Oz/in (N/100 mm)	Oz/in (N/100 mm)
	- 15 minutes RT (FS/BS)	34/68 (37/74)	26/61 (28/66)
	- 72 hour RT (FS/BS)	128/142 (139/154)	124/142 (135/154)
	- 72 hour 158°F (FS/BS)	67/75 (73/82)	127/60 (138/66)
3) Adhesion to other surfaces* ASTM D3330 - 90 degree, 2 mil al foil, 72 hour RT			
	ABS (FS/BS)	60/80 (66/88)	40/60 (44/66)
	Polypropylene (FS/BS)	35/50 (38/55)	25/60 (27/66)
	Polycarbonate (FS/BS)	117/75 (127/82)	
Shear Strength - ASTM D3654 modified - (.5 inch ² sample size)			
	1000 grams at 72°F	>10,000 min	>10,000 min
	500 grams at 158°F	>10,000 min	>10,000 min
Relative High Temperature Operating Ranges:			
	Long Term (days, weeks)	200°F	200°F
	Short Term (minutes, hours)	300°F	300°F
Relative Solvent Resistance		Very Good	Very Good

Available Sizes	Roll length, width, slitting tolerance, core size.		
		3M tapes 9495LE, 9490LE	3M tape 9474LE
	Maximum Length in:		
	1/2" to 63/64"	180 yds. (164 m)	—
	1" to 3"	360 yds. (329 m)	—
	3" to 48"	360 yds. (329 m)	—
	48" to 54"	360 yds. (329 m)	—
	Tolerance	± 1/32 in. (0.08 mm)	
	Core ID	3.0 in. (76.2 mm)	—
	Sheet Size	Not Available	24" x 36"

3M™ High Strength Double Coated Tapes with Adhesive 300LSE

9495LE • 9474LE • 9490LE

Features

- These tapes have a moisture resistant polycoated kraft liner which can withstand high humidity conditions with minimal cockling or wrinkling.
- These tapes have a film carrier which can add dimensional stability to foams and other substrates and also makes it easier to handle the tape during slitting and die-cutting.
- 3M™ Double Coated Tape 9474LE features a dual liner for ease in selective die cutting.
- The bond strength of 3M™ Adhesive 300LSE increases as a function of time and temperature, and has very high initial adhesion.

Application Techniques

Bond strength is dependent upon the amount of adhesive-to-surface contact developed. Firm application pressure and moderate heat, from 100°F (38°C) to 130°F (54°C), will assist the adhesive in developing intimate contact with the bonding surface.

To obtain optimum adhesion, the bonding surfaces must be clean, dry and well unified. Some typical surface cleaning solvents are isopropyl alcohol or heptane.*

Ideal tape application temperature range is 70°F to 100°F (21°C to 38°C). Initial tape application to surfaces at temperatures below 50°F (10°C) is not recommended because the adhesive becomes too firm to adhere readily. However, once properly applied, low temperature holding is generally satisfactory.

***Note:** Carefully read and follow the manufacturer's precautions and directions for use when working with solvents. These cleaning recommendations may not be compliant with the rules of certain Air Quality Management Districts in California; consult applicable rules before use.

Environmental Performance

Humidity Resistance: High humidity has minimal effect on adhesive performance. No significant reduction in bond strength is observed after exposure for 7 days at 90°F (32°C) and 90% relative humidity.

UV Resistance: When properly applied, nameplates and decorative trim parts are not adversely affected by exposure.

Water Resistance: Immersion in water has no appreciable effect on the bond strength. After 100 hours at room temperature, the high bond strength is maintained.

Temperature Cycling Resistance: High bond strength is maintained after cycling four times through:

- 4 hours at 158°F (70°C)
- 4 hours at -20°F (-29°C)
- 4 hours at 73°F (22°C)

Chemical Resistance: When properly applied, nameplate and decorative trim parts will hold securely after exposure to numerous chemicals including oil, mild acids and alkalis.



Liner Configuration Guide

General purpose steel rule die-cutting	58# PCK
Steel rule cutting many nameplates on common sheet	83# PCK
Kiss cutting, steel rule	83# PCK
Rotary die-cutting	PET
Selective die-cutting (cut adhesive before laminate)	Double-lined
Thermoforming	HDPE
Part inspection	HDPE, PET
Embossed metal parts	White PP, HDPE
Metal parts (punch press)	PET

3M™ High Strength Double Coated Tapes with Adhesive 300LSE

9495LE • 9474LE • 9490LE

Adding Liners for 3M™ Double Coated Tapes with Adhesive 300LSE

1. Rotary processing, tape only, on a densified (outside of #4994) kraft liner. In this process, the tape waste will stay with the 58# PCK liner, leaving adhesive die-cuts dispensable from the #4994 (densified kraft) liner.
2. Rotary processing for finished parts. If a densified kraft (DK) liner is necessary, the adhesive should be first laminated to the substrate with pressure. After lamination, remove the 58# PCK liner and laminate the outside of the #4994 (DK) liner.

Application Ideas

- Foam to powder coated painted surfaces.
- Low surface energy plastic adhesion.

Application Equipment

To apply adhesives in a wide web format, lamination equipment is required to ensure acceptable quality. To learn more about working with pressure-sensitive adhesives please refer to technical bulletin, Lamination Techniques for Converters of Laminating Adhesives (70-0704-1430-8).

For additional dispenser information, contact your local 3M sales representative, or the toll free 3M sales assistance number at 1-800-362-3550.

Storage

Store in original cartons at 70°F (21°C) and 50% relative humidity.

Shelf Life

If stored under proper conditions, product retains its performance and properties for two years from date of manufacture.

Product Use

All statements, technical information and recommendations contained in this document are based upon tests or experience that 3M believes are reliable. However, many factors beyond 3M's control can affect the use and performance of a 3M product in a particular application, including the conditions under which the product is used and the time and environmental conditions in which the product is expected to perform. Since these factors are uniquely within the user's knowledge and control, it is essential that the user evaluate the 3M product to determine whether it is fit for a particular purpose and suitable for the user's method of application.

Warranty and Limited Remedy

Unless stated otherwise in 3M's product literature, packaging inserts or product packaging for individual products, 3M warrants that each 3M product meets the applicable specifications at the time 3M ships the product. Individual products may have additional or different warranties as stated on product literature, package inserts or product packages. 3M MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING, BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OR ANY IMPLIED WARRANTY ARISING OUT OF A COURSE OF DEALING, CUSTOM OR USAGE OF TRADE. User is responsible for determining whether the 3M product is fit for a particular purpose and suitable for user's application. If the 3M product is defective within the warranty period, your exclusive remedy and 3M's and seller's sole obligation will be, at 3M's option, to replace the product or refund the purchase price.

Limitation of Liability

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Test Report

No. CANEC2227657303

Date: 28 Dec 2022

Page 1 of 6

Client Name : 3M MATERIAL TECHNOLOGY (GUANGZHOU) CO.,LTD.

Client Address : NO.9,NANXIANG 2 ROAD,SCIENCE CITY GUANGZHOU HIGH TECH INDUSTRY
DEVELOPMENT DISTRICT
CHINA

Sample Name : 9495LE

Model No. : 9495LE

Client Ref. Info. : 93005LE, 93010LE, 93015LE, 93020LE, 93027LE, 9475LE, 9475LE, 9495LE,
8132LE, 8153LE, 9453LE, 9471LE, 9472LE, 9653LE, 9671LE, 9672LE, 9698LE

The above sample(s) and information were provided by the client.

SGS Job No. : CP22-068347 - GZ

Date of Sample Received : 23 Dec 2022

Testing Period : 23 Dec 2022 - 28 Dec 2022

Test Requested : Selected test(s) as requested by the client.

Test Method(s) : Please refer to next page(s).

Test Result(s) : Please refer to next page(s).

Result Summary :

Test Requested	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	PASS

Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Coral Qiu

Coral Qiu

Approved Signatory



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Test Report

No. CANEC2227657303

Date: 28 Dec 2022

Page 2 of 6

Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN22-276573.001	Colorless transparent double-side adhesive sheet

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method : With reference to IEC 62321-4:2013+A1:2017, IEC 62321-5:2013, IEC 62321-7-2:2017 , IEC 62321-6:2015 and IEC 62321-8:2017, analyzed by ICP-OES , UV-Vis and GC-MS .

Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	1000	mg/kg	8	ND
Sum of PBBs	1000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND



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Test Report

No. CANEC2227657303

Date: 28 Dec 2022

Page 3 of 6

Test Item(s)	Limit	Unit	MDL	001
Pentabromodiphenyl ether	-	mg/kg	5	ND
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Bis (2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalates (DIBP)	1000	mg/kg	50	ND

Notes :

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series
- (3) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices, and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.

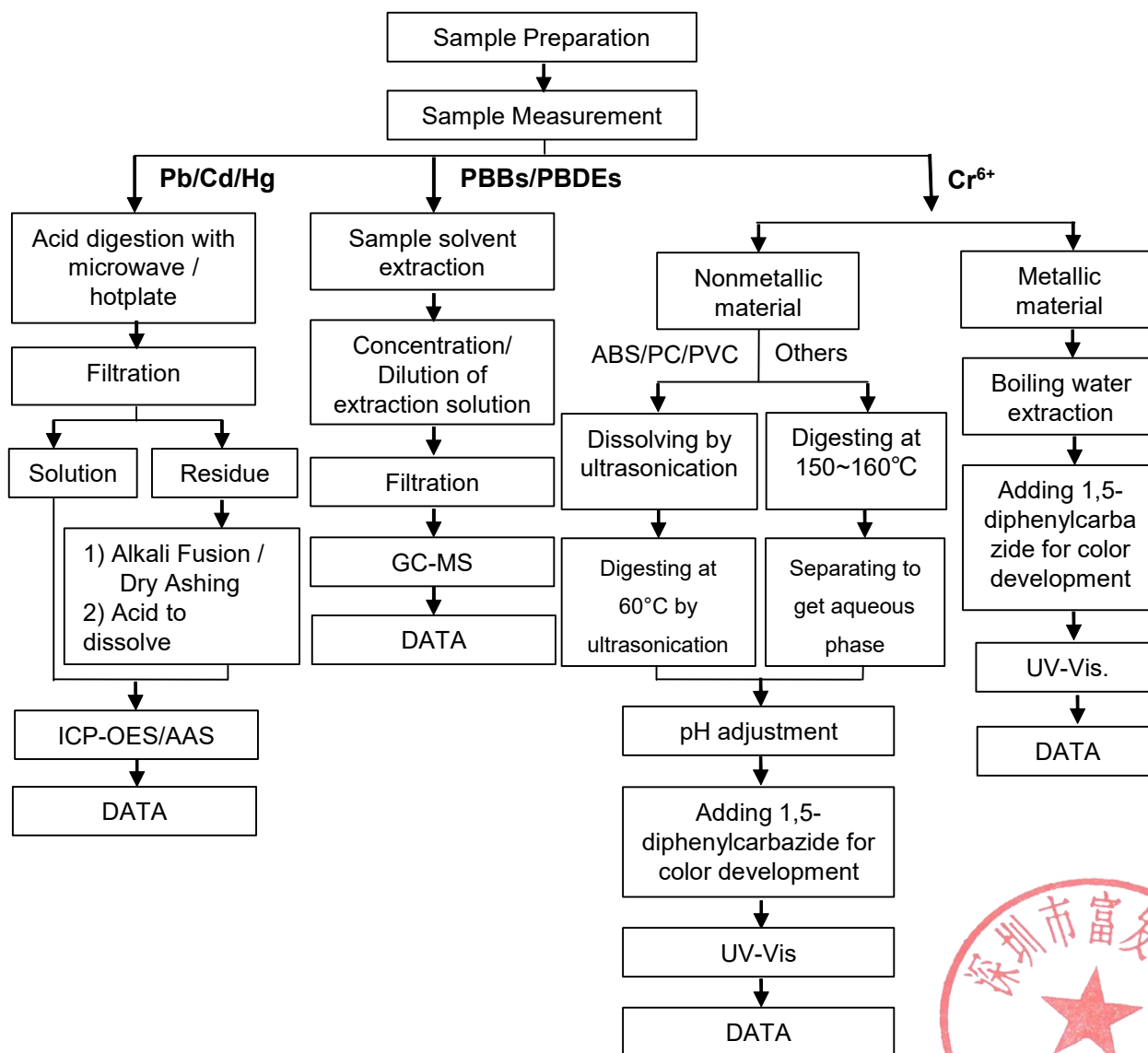
Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



ATTACHMENTS

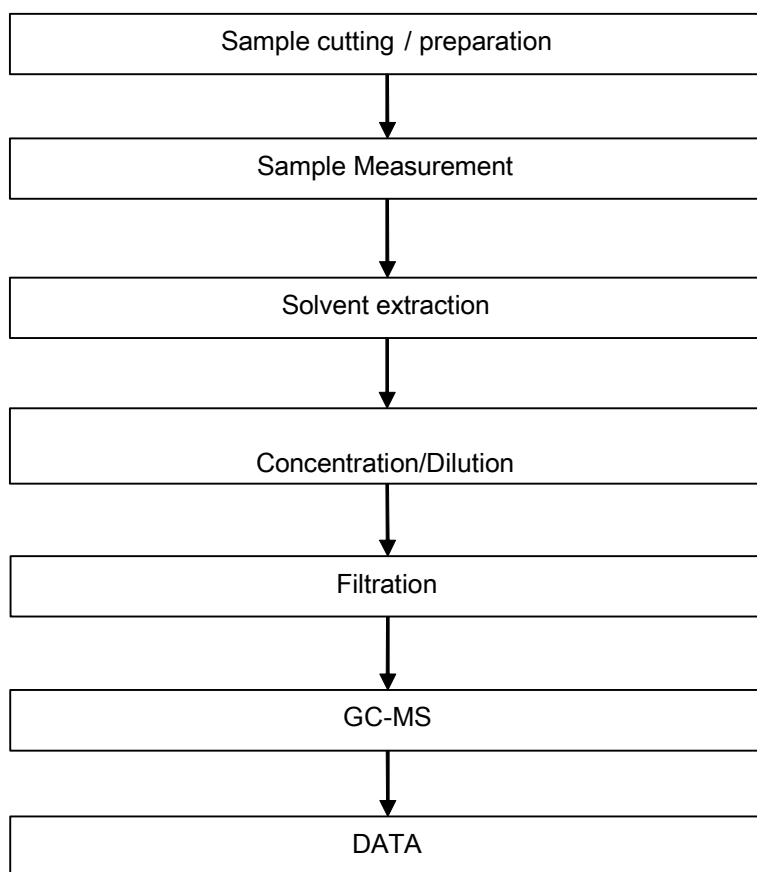
Pb/Cd/Hg/Cr⁶⁺/PBBs/PBDEs Testing Flow Chart

- 1) These samples were dissolved totally by pre -conditioning method according to below flow chart.
(Cr⁶⁺ and PBBs/PBDEs test method excluded).



ATTACHMENTS

Phthalates Testing Flow Chart



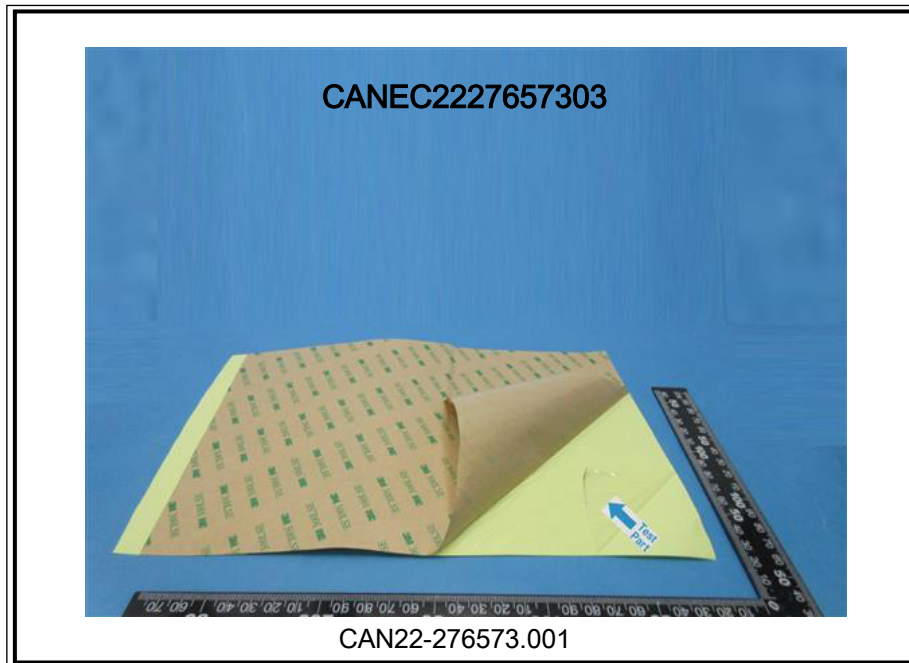
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Sample photo:



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Test Report

No. CANEC2227657302

Date: 28 Dec 2022

Page 1 of 4

Client Name : 3M MATERIAL TECHNOLOGY (GUANGZHOU) CO.,LTD.

Client Address : NO.9,NANXIANG 2 ROAD,SCIENCE CITY GUANGZHOU HIGH TECH INDUSTRY
DEVELOPMENT DISTRICT
CHINA

Sample Name : 9495LE

Model No. : 9495LE

Client Ref. Info. : 93005LE, 93010LE, 93015LE, 93020LE, 93027LE, 9475LE, 9475LE, 9495LE,
8132LE, 8153LE, 9453LE, 9471LE, 9472LE, 9653LE, 9671LE, 9672LE, 9698LE

The above sample(s) and information were provided by the client.

SGS Job No. : CP22-068347 - GZ

Date of Sample Received : 23 Dec 2022

Testing Period : 23 Dec 2022 - 28 Dec 2022

Test Requested : Selected test(s) as requested by the client.

Test Method(s) : Please refer to next page(s).

Test Result(s) : Please refer to next page(s).



Signed for and on behalf of
SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Coral Qiu

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Test Report

No. CANEC2227657302

Date: 28 Dec 2022

Page 2 of 4

Test Result(s) :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	CAN22-276573.001	Colorless transparent double-side adhesive sheet

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

Halogen

Test Method : With reference to EN 14582:2016, analysis was performed by IC.

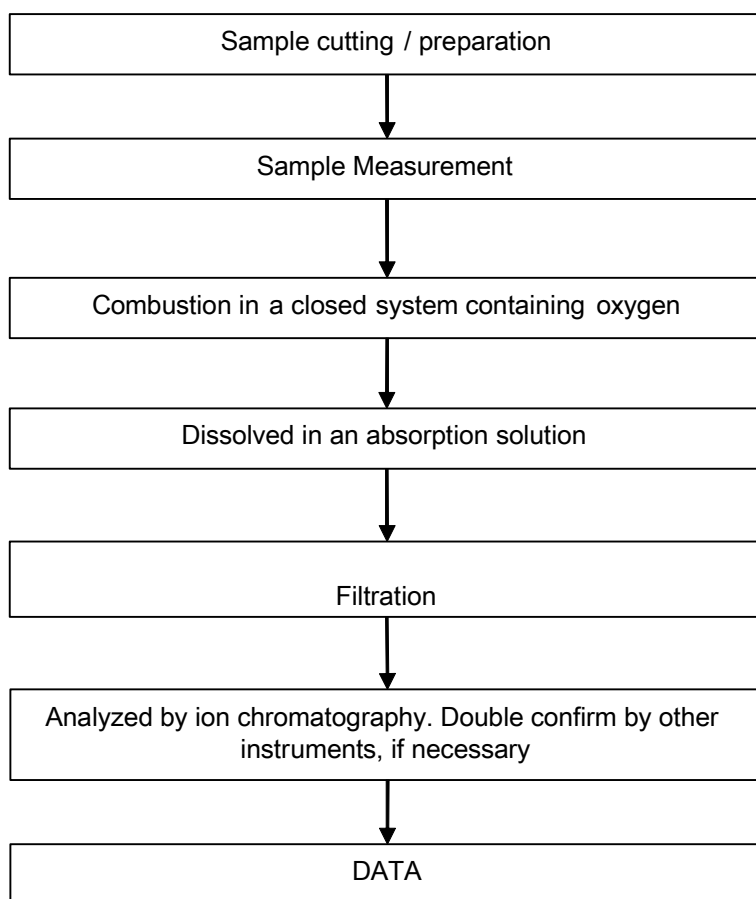
Test Item(s)	Unit	MDL	001
Fluorine (F)	mg/kg	50	ND
Chlorine (Cl)	mg/kg	50	164
Bromine (Br)	mg/kg	50	ND
Iodine (I)	mg/kg	50	ND

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule ($w=0$) stated in ILAC-G8:09/2019.



ATTACHMENTS

Halogen Testing Flow Chart



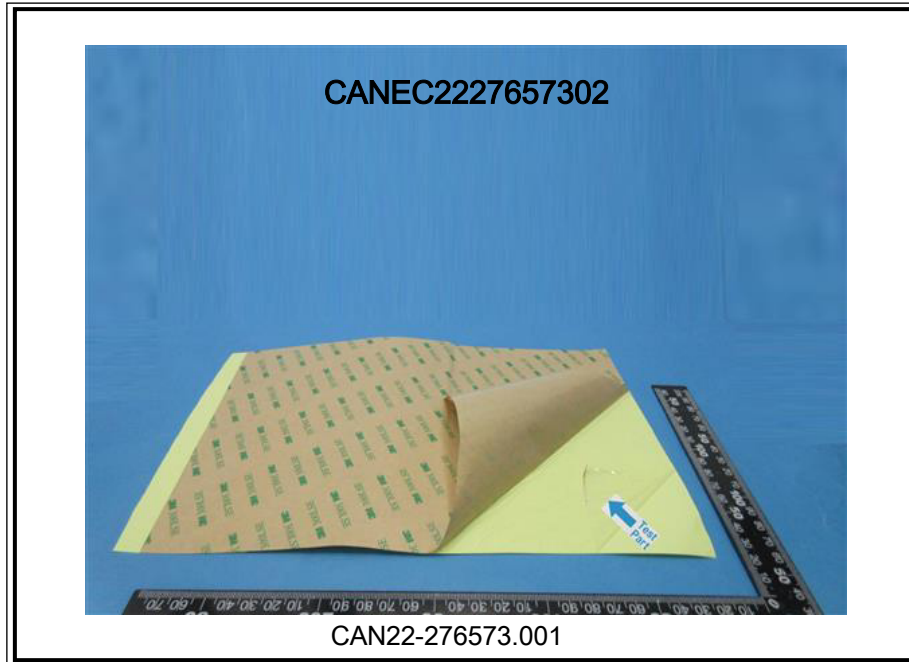
Test Report

No. CANEC2227657302

Date: 28 Dec 2022

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Sample photo:



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