



## 检测报告

编号: CANEC2206515506

日期: 2022年04月20日 第1页,共7页

客户名称: 深圳市富翔科技有限公司  
客户地址: 中国广东省深圳市宝安区松岗街道办沙浦围创业工业区11栋

样品名称: PCB(无铅喷锡)  
以上样品及信息由客户提供。

SGS工作编号: CP22-018395 - GZ  
样品接收日期: 2022年04月13日  
检测周期: 2022年04月13日 - 2022年04月20日  
检测要求: 根据客户要求  
- 基于欧盟POPs法规((EU) 2019/1021 及其修正法规 (EU) 2021/277, 对附录I中物质进行筛分检测。  
检测结果: 请参见下一页

### 总结:

根据具体的检测范围和分析技术, 委托样品中POPs物质浓度<法规限值	合格
------------------------------------	----

通标标准技术服务有限公司广州分公司  
授权签名

鄧莎莎

Sasa Zhi 鄧莎莎  
批准签署人



SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

198 Kezhu Road, Sciotech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663  
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 www.sgs.com.cn  
t (86-20) 82155555 sgs.china@sgs.com

## 检测报告

编号: CANEC2206515506

日期: 2022年04月20日 第2页,共7页

## 备注:

1. 欧盟POPs法规(EU) 2019/1021, 附录I 中的物质禁用在混合物及物品中使用, 除非法规有特殊豁免。
2. 豁免: 四溴联苯醚、五溴联苯醚、六溴联苯醚、七溴联苯醚和十溴联苯醚在物质中的法规限值  
是10mg/kg, 混合物和物品中四溴、五溴、六溴、七溴和十溴二苯醚的总和不得超过500 mg/kg, 该限制应  
在2021年7月16日之前由委员会审查和评估
3. 豁免: RoHS指令(2011/65/EU)定义的电器电子产品中四溴联苯醚、五溴联苯醚、六溴联苯醚、七溴联苯  
醚和十溴联苯醚豁免于POPs法规。
4. 豁免: C10-13 氯代烃(短链氯化石蜡)在混合物中的法规限值是1.0% (w/w), 在物品中的法规限值  
为0.15% (w/w)。
5. 豁免: 全氟辛烷磺酸(PFOS)及其衍生物在混合物中的法规限值是10mg/kg, 在物品中的法规限值  
是0.1%(w/w), 在纺织品和涂层材料中的限值是1ug/m<sup>2</sup>。
6. 豁免: HBCDD 做为无意添加的微量污染物, 在物质, 混合物, 物品或者物品的阻燃剂中不能超  
出100mg/kg。
7. 对POPs物质的分析检测是基于现有的技术, 根据客户要求进行检测。
8. ^检测结果可能来源于混合检测中一个或多个组分, 建议客户进一步定量分析检测含有POPs的组分并且得  
到POPs物质的准确浓度。

## 检测样品:

## 检测样品描述:

样品编号	SGS 样品ID	描述
SN1	CAN22-065155.001	绿色"PCB"



## 检测报告

编号: CANEC2206515506

日期: 2022年04月20日 第3页,共7页

### 检测方法:

SGS内部方法-GZTC CHEM-TOP-268-01, 采用GC-MS、GC-ECD和HPLC-DAD-MS 或 LC-MS/MS进行分析。

### 检测结果:

序号	物质名称	CAS No.	单位	RL	001 浓度
-	所有检测清单中的POPs	-	mg/kg	-	ND

### 注释:

- (1) 上表仅显示检出的POPs, 低于RL的POPs没有列出, 所有检测的POPs请参见附录。
- (2) RL = 报告极限值, 所有RL是基于均一材质的检测。ND = 未检出(<RL)
- (3) ^ 全氟辛烷磺酸 (PFOS)包含 PFOS-K (CAS No.: 2795-39-3), PFOS-Li (CAS No.: 29457-72-5), PFOS-NH<sub>4</sub> (CAS No.: 29081-56-9), PFOS-NH(OH)<sub>2</sub> (CAS No.: 70225-14-8), PFOS-N(C<sub>2</sub>H<sub>5</sub>)<sub>4</sub> (CAS No.: 56773-42-3), PFOS-DDA (CAS No.:251099-16-8) 和POSF (CAS No.: 307-35-7)
- (4) + PFOA 及其盐包含PFOA-Na (CAS No.: 335-95-5), PFOA-K (CAS No.: 2395-00-8), PFOA-Ag (CAS No.: 335-93-3), PFOA-F (CAS No.: 335-66-0) 和 APFO (CAS No.: 3825-26-1);
- (5) 多溴联苯醚总和\*是指四溴联苯醚、五溴联苯醚、六溴联苯醚、七溴联苯醚和十溴联苯醚的总和。



## 检测报告

编号: CANEC2206515506

日期: 2022年04月20日 第4页,共7页

## 附录

## 所有检测的物品中 POPs:

序号	物质名称	CAS No.	单位	RL	法规要求 / 豁免	样品ID
1	四溴联苯醚	40088-47-9和其他	mg/kg	5	-	001
2	五溴联苯醚	32534-81-9和其他	mg/kg	5	-	001
3	六溴联苯醚	36483-60-0和其他	mg/kg	5	-	001
4	七溴联苯醚	68928-80-3和其他	mg/kg	5	-	001
5	十溴联苯醚	1163-19-5	mg/kg	5	-	001
-	多溴联苯醚总和*	-	mg/kg	-	500	001
6	全氟辛酸磺酸 (PFOS) 及其衍生物	-	mg/kg	-	1000	001
6-1	全氟辛酸磺酸 (PFOS)^	1763-23-1	mg/kg	0.01	-	001
6-2	N-乙基全氟辛酸磺酰胺 (EtFOFA)	4151-50-2	mg/kg	0.01	-	001
6-3	N-甲基全氟辛酸磺酰胺 (MeFOFA)	31506-32-8	mg/kg	0.01	-	001
6-4	2-(N-乙基全氟辛基磺酰胺)乙醇 (EtFOSE)	1691-99-2	mg/kg	0.01	-	001
6-5	2-(N-甲基全氟辛基磺酰胺)乙醇 (MeFOSE)	24448-09-7	mg/kg	0.01	-	001
6-6	全氟辛基磺酰胺 (PFOSA)	754-91-6	mg/kg	0.01	-	001
14	六氯苯	118-74-1	mg/kg	5	禁用	001
17	五氯苯	608-93-5	mg/kg	5	禁用	001
18	多氯联苯 (PCB)	1336-36-3 和其他	mg/kg	5	禁用	001
21	六溴联苯	36355-01-8	mg/kg	5	禁用	001



SGS-CTC (Shanghai) Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

198 Kezhu Road, Sciotech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663

中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 [www.sgs.com](http://www.sgs.com)

t (86-20) 82155555 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)



## 检测报告

编号: CANEC2206515506

日期: 2022年04月20日 第5页,共7页

## 附录

## 所有检测的物品中 POPs:

序号	物质名称	CAS No.	单位	RL	法规要求 / 豁免	样品ID
22	六溴环十二烷(HBCDD) 及其非对映异构体( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	mg/kg	10	100	001
23	六氯丁二烯	87-68-3	mg/kg	5	禁用	001
24	五氯苯酚(PCP)及其盐和酯	87-86-5和其它	mg/kg	0.5	5	001
25	多氯萘 (PCN)	70776-03-3和其它	mg/kg	5	禁用	001
26	短链氯化石蜡(C10-C13) (SCCPs)	85535-84-8和其它	mg/kg	50	1500	001
27	全氟辛酸 (PFOA) 及其盐+	335-67-1	mg/kg	0.010	0.025	001
28	全氟辛酸(PFOA)相关物质	-	mg/kg	-	1.0	001
28-1	1H,1H,2H,2H-全氟癸烷磺酸(8:2 FTS)	39108-34-4	mg/kg	0.2	-	001
28-2	全氟辛酸甲酯 (Me-PFOA)	376-27-2	mg/kg	0.2	-	001
28-3	全氟辛酸乙酯 (Et-PFOA)	3108-24-5	mg/kg	0.2	-	001
28-4	1H,1H,2H,2H-全氟-1-癸醇(8:2 FTOH)	678-39-7	mg/kg	0.2	-	001
28-5	1H,1H,2H,2H-全氟癸基丙烯酸酯(8:2 FTA)	27905-45-9	mg/kg	0.2	-	001
28-6	1H,1H,2H,2H-甲基丙烯酸全氟癸酯(8:2 FTMA)	1996-88-9	mg/kg	0.2	-	001
28-7	全氟辛基碘烷 (PFOI)	507-63-1	mg/kg	0.2	-	001

除非另有说明, 参照ILAC-G8:09/2019, 使用简单接受 ( $w=0$ ) 的二元判定规则进行符合性判定。

除非另有说明, 此报告结果仅对检测的样品负责。本报告未经本公司书面许可, 不可部分复制。

检测报告仅用于客户科研、教学、内部质量控制、产品研发等目的, 仅供内部参考。



SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Chemical Laboratory

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

198 Kazhu Road, Sciencetech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663

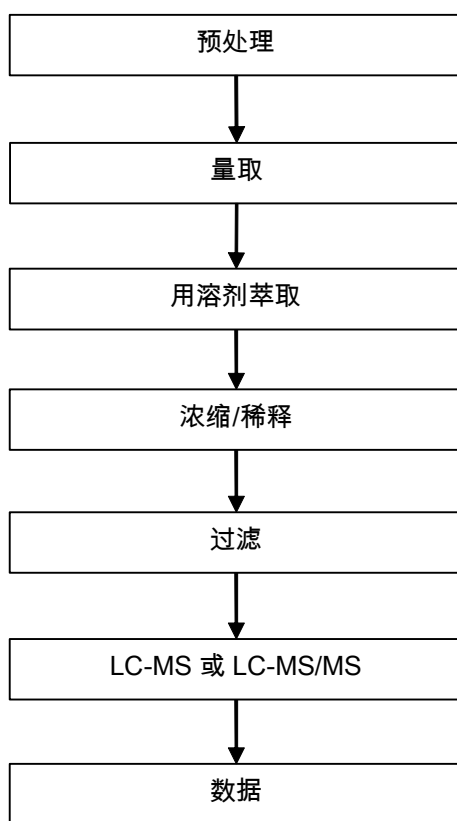
中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663

t (86-20) 82155555 [www.sgs.com](http://www.sgs.com)

t (86-20) 82155555 [sgs.china@sgs.com](mailto:sgs.china@sgs.com)

附件

PFOA / PFOS 检测流程图

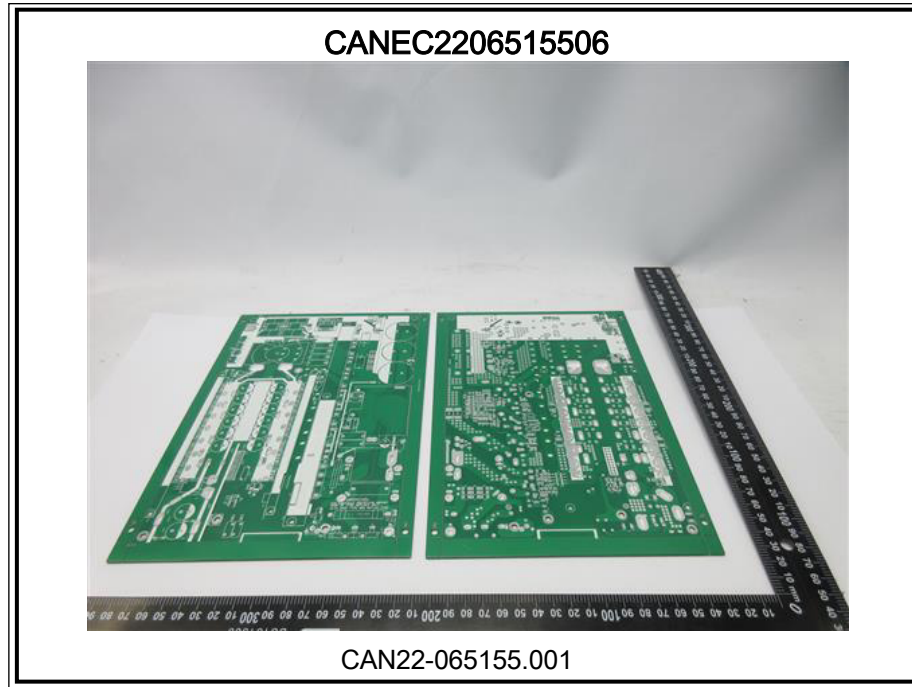


## 检测报告

编号: CANEC2206515506

日期: 2022年04月20日 第7页,共7页

样品照片:



此照片仅限于随SGS正本报告使用

\*\*\* 报告完 \*\*\*



SGS-CSTC Standards Technical Services Co., Ltd.  
Guangzhou Branch Testing Center Chemical Laboratory.

Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

Attention: To check the authenticity of testing / inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: [CN.Doccheck@sgs.com](mailto:CN.Doccheck@sgs.com)

198 Kezhu Road, Sciotech Park Guangzhou Economic & Technology Development District, Guangzhou, China 510663

中国·广州·经济技术开发区科学城科珠路198号

邮编: 510663

t (86-20) 82155555

[www.sgsgroup.com.cn](http://www.sgsgroup.com.cn)

t (86-20) 82155555

[sgs.china@sgs.com](mailto:sgs.china@sgs.com)