



# 检测报告 Test Report

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报告抬头公司名称 深圳市芯中芯科技有限公司

Company Name SHENZHEN SHI XINZHONGXIN TECHNOLOGY CO., LTD

shown on Report

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以下测试之样品及样品信息由申请者提供并确认

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

样品名称	模块
Sample Name	模块
样品型号	MWB-S-WB01
Part No.	MWB-S-WB01
样品接收日期	2022.11.15
Sample Received Date	Nov. 15, 2022
样品检测日期	2022.11.15-2022.11.25
Testing Period	Nov. 15, 2022 to Nov. 25, 2022

## 测试内容 Test Conducted:

根据客户的申请要求，具体要求详见下一页。

As requested by the applicant. For details refer to next page(s).

主 检  
Tested by

尹常宝

审 核  
Reviewed by

黄艳

批 准  
Approved by

方理松

日 期  
Date

2022.11.25



方理松

授权签字人 Lab Authorized

Signatory

No. R262621391

华测检测集团股份有限公司

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- 五氯苯 Pentachlorobenzene	见结果页 See test result(s)
- 六氯苯 Hexachlorobenzene	见结果页 See test result(s)
- 六溴联苯 Hexabromobiphenyl	见结果页 See test result(s)
- 多氯联苯 Polychlorinated Biphenyls(PCBs)	见结果页 See test result(s)
- 多氯化萘 Polychlorinated Naphthalenes (PCNs)	见结果页 See test result(s)
- 六氯丁二烯 Hexachlorobutadiene (HCBd)	见结果页 See test result(s)
- 五氯苯酚及其盐和酯 Pentachlorophenol and its salts and esters	见结果页 See test result(s)
- 全氟辛酸(PFOA)及其盐 Perfluorooctanoic acid (PFOA) and its salts	见结果页 See test result(s)
- 全氟辛酸类相关物质 Perfluorooctanoic acid related substances	见结果页 See test result(s)
- 三氯杀螨醇 Dicofol	见结果页 See test result(s)

\*\*\*\*\*详细结果，请见下页\*\*\*\*\*

\*\*\*\*\* For further details, please refer to the following page(s) \*\*\*\*\*

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欧盟持久性有机污染物(POPs)法规(EU) 2019/1021 Regulation (EU) 2019/1021 on persistent organic pollutants (POPs)

▼ 多溴二苯醚 Polybrominated Diphenyl Ethers (PBDEs)

使用方法 IEC 62321-6:2015，通过 GC-MS 分析。  
Method(s) IEC 62321-6:2015 was/were used, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限 MDL (mg/kg)
	001	002	003	
四溴二苯醚 Tetrabromodiphenyl ether	N.D.	N.D.	N.D.	5
五溴二苯醚 Pentabromodiphenyl ether	N.D.	N.D.	N.D.	5
六溴二苯醚 Hexabromodiphenyl ether	N.D.	N.D.	N.D.	5
七溴二苯醚 Heptabromodiphenyl ether	N.D.	N.D.	N.D.	5
十溴二苯醚 Decabromodiphenyl ether	N.D.	N.D.	N.D.	5

- 备注 Remark:
- MDL = 方法检出限 Method Detection Limit
  - N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
  - mg/kg = ppm = 百万分之一 parts per million

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▼ 全氟辛烷磺酸(PFOS)及其衍生物 Perfluorooctane sulfonic acid (PFOS) and its derivatives

使用方法 CEN/TS 15968:2010，通过 LC-MS-MS 分析。  
Method(s) CEN/TS 15968:2010 was/were used, and the item(s) was/were analyzed by LC-MS-MS.

测试项目 Tested Item(s)	CAS No.	结果 Result (µg/m²)	方法检出限	限值 Limit
		003	MDL (µg/m²)	(µg/m²)
全氟辛烷磺酸 Perfluorooctane sulfonic acid (PFOS) ▲	--	N.D.	0.5	--
全氟辛基磺酰胺 Perfluorooctane sulfonamide (PFOSA)	754-91-6	N.D.	0.5	--
氟虫胺 N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	N.D.	0.5	--
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-N-甲基-辛磺酰胺 N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	N.D.	0.5	--
N-乙基全氟辛基磺酰胺乙醇 2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	N.D.	0.5	--
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-十七氟-N-(2-羟乙基)-N-甲基-1-辛基磺酰胺 2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	N.D.	0.5	--
总和 Total	--	N.D.	--	1

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测试项目 Tested Item(s)	CAS No.	结果 Result (mg/kg)		方法检出限	限值 Limit
		001	002	MDL (mg/kg)	(mg/kg)
全氟辛烷磺酸 Perfluorooctane sulfonic acid (PFOS) ▲	--	N.D.	N.D.	0.010	--
全氟辛基磺酰胺 Perfluorooctane sulfonamide (PFOSA)	754-91-6	N.D.	N.D.	0.010	--
氟虫胺 N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	N.D.	N.D.	0.050	--
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-十七氟-N-甲基-辛磺酰胺 N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	N.D.	N.D.	0.050	--
N-乙基全氟辛基磺酰胺乙醇 2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	N.D.	N.D.	0.050	--
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-十七氟-N-(2-羟乙基)-N-甲基-1-辛基磺酰胺 2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	N.D.	N.D.	0.050	--
总和 Total	--	N.D.	N.D.	--	1000

- 备注 Remark:
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  - N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
  - mg/kg = ppm = 百万分之一 parts per million
  - 1000 mg/kg = 0.1%
  - ▲全氟辛烷磺酸(PFOS)包含 Perfluorooctane sulfonic acid (PFOS) contains:

物质名称 Substance Name(s)	CAS No.
全氟辛烷磺酸 Perfluorooctane Sulfonates (PFOS)	1763-23-1
全氟辛基磺酸钾 Perfluorooctanesulfonic acid, potassium salt (PFOS-K)	2795-39-3
全氟正辛基磺酸锂 Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
全氟辛基磺酸铵 Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH <sub>4</sub> )	29081-56-9
十七氟代-1-辛磺酸与二乙醇胺的化合物 Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) <sub>2</sub> )	70225-14-8
全氟辛基磺酸四乙基铵 Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> )	56773-42-3
全氟辛基磺酸二癸二甲基铵 Didecyl dimethyl ammonium perfluorooctane sulfonate (PFOS-DDA)	251099-16-8
全氟辛基磺酰氟 Perfluoro-1-octanesulfonyl fluoride (PFOSF)	307-35-7

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六溴环十二烷 Hexabromocyclododecane (HBCDD)

参考方法 US EPA 3540C:1996 & US EPA 8270E:2018, 通过 GC-MS 分析。
Refer to method(s) US EPA 3540C:1996 & US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

Table with 6 columns: Tested Item(s), CAS No., Result (mg/kg) (001, 002), MDL (mg/kg), Limit (mg/kg). Row 1: Hexabromocyclododecane (HBCDD), 25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8, N.D., N.D., 5, 100.

Table with 5 columns: Tested Item(s), CAS No., Result (mg/kg) (003), MDL (mg/kg), Limit (mg/kg). Row 1: Hexabromocyclododecane (HBCDD), 25637-99-4, 3194-55-6, 134237-50-6, 134237-51-7, 134237-52-8, N.D., 5, 100.

备注 Remark:
- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million
- “六溴环十二烷(HBCDD)”指：六溴环十二烷(HBCDD)、1,2,5,6,9,10-六溴环十二烷及其非对映异构体 (α-HBCDD, β-HBCDD, γ-HBCDD)
‘Hexabromocyclododecane (HBCDD)’ means: Hexabromocyclododecane (HBCDD), 1,2,5,6,9,10-hexabromocyclododecane and its main diastereoisomers: α-HBCDD, β-HBCDD, γ-HBCDD

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## ▼ 短链氯化石蜡 Short Chain Chlorinated Paraffins (SCCPs)

参考方法 US EPA 3540C:1996 &amp; US EPA 8270E:2018, 通过 GC-MS(NCI)分析。

Refer to method(s) US EPA 3540C:1996 &amp; US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS(NCI).

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
短链氯化石蜡 Short Chain Chlorinated Paraffins (SCCPs)	N.D.	N.D.	N.D.	100	1500

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

## ▼ 滴滴涕(1,1,1-三氯-2,2-二(对-氯苯基)乙烷) DDT (1,1,1-trichloro-2,2-bis (4-chlorophenyl)ethane)

参考方法 US EPA 3550C:2007 &amp; US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 &amp; US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
滴滴涕(1,1,1-三氯-2,2-二(对-氯苯基)乙烷) DDT (1,1,1-trichloro-2,2-bis (4-chlorophenyl)ethane)	N.D.	N.D.	N.D.	50	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million



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## ▼ 氯丹 Chlordane

参考方法 US EPA 3550C:2007 & US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 & US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
氯丹 Chlordane	N.D.	N.D.	N.D.	5	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

## ▼ 六氯环己烷, 包括林丹 Hexachlorocyclohexanes, including Lindane

参考方法 US EPA 3550C:2007 & US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 & US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
六氯环己烷, 包括林丹 Hexachlorocyclohexanes, including Lindane	N.D.	N.D.	N.D.	50	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

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## ▼ 狄氏剂 Dieldrin

参考方法 US EPA 3550C:2007 &amp; US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 &amp; US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
狄氏剂 Dieldrin	N.D.	N.D.	N.D.	50	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

## ▼ 异狄氏剂 Endrin

参考方法 US EPA 3550C:2007 &amp; US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 &amp; US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
异狄氏剂 Endrin	N.D.	N.D.	N.D.	50	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

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## ▼七氯 Heptachlor

参考方法 US EPA 3550C:2007 & US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 & US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
七氯 Heptachlor	N.D.	N.D.	N.D.	50	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

## ▼硫丹 Endosulfan

参考方法 US EPA 3550C:2007 & US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 & US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
硫丹 Endosulfan	N.D.	N.D.	N.D.	50	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
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- mg/kg = ppm = 百万分之一 parts per million

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### ▼ 十氯酮 Chlordecone

参考方法 US EPA 3550C:2007 & US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 & US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
十氯酮 Chlordecone	N.D.	N.D.	N.D.	50	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

### ▼ 艾氏剂 Aldrin

参考方法 US EPA 3550C:2007 & US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 & US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
艾氏剂 Aldrin	N.D.	N.D.	N.D.	50	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

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## ▼ 灭蚁灵 Mirex

参考方法 US EPA 3550C:2007 &amp; US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 &amp; US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
灭蚁灵 Mirex	N.D.	N.D.	N.D.	5	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

## ▼ 毒杀芬 Toxaphene

参考方法 US EPA 3550C:2007 &amp; US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 &amp; US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
毒杀芬 Toxaphene	N.D.	N.D.	N.D.	50	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

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▼ **五氯苯 Pentachlorobenzene**

参考方法 US EPA 3550C:2007 & US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 & US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
五氯苯 Pentachlorobenzene	N.D.	N.D.	N.D.	50	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

▼ **六氯苯 Hexachlorobenzene**

参考方法 US EPA 3550C:2007 & US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 & US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
六氯苯 Hexachlorobenzene	N.D.	N.D.	N.D.	5	10

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
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- mg/kg = ppm = 百万分之一 parts per million

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▼ 六溴联苯 Hexabromobiphenyl

使用方法 IEC 62321-6:2015，通过 GC-MS 分析。  
Method(s) IEC 62321-6:2015 was/were used, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
六溴联苯 Hexabromobiphenyl	N.D.	N.D.	N.D.	5	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

▼ 多氯联苯 Polychlorinated Biphenyls(PCBs)

参考方法 US EPA 3540C:1996 & US EPA 8270E:2018，通过 GC-MS 分析。  
Refer to method(s) US EPA 3540C:1996 & US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
多氯联苯 Polychlorinated Biphenyls(PCBs)	N.D.	N.D.	N.D.	5	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

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## ▼ 多氯化萘 Polychlorinated Naphthalenes (PCNs)

参考方法 US EPA 3540C:1996 &amp; US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3540C:1996 &amp; US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
多氯化萘 Polychlorinated Naphthalenes (PCNs)	N.D.	N.D.	N.D.	5	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million

## ▼ 六氯丁二烯 Hexachlorobutadiene (HCBd)

参考方法 US EPA 3550C:2007 &amp; US EPA 8270E:2018, 通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 &amp; US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
六氯丁二烯 Hexachlorobutadiene	N.D.	N.D.	N.D.	50	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million



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五氯苯酚及其盐和酯 Pentachlorophenol and its salts and esters

参考方法 ISO 17070:2015, 通过 GC-MS 分析。
Refer to method(s) ISO 17070:2015, and the item(s) was/were analyzed by GC-MS.

Table with 6 columns: Tested Item(s), Result (mg/kg) (001, 002, 003), MDL (mg/kg), Limit (mg/kg). Row 1: Pentachlorophenol and its salts and esters, N.D., N.D., N.D., 1, 5.

备注 Remark:
- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million
- 五氯苯酚及其盐和酯的结果以五氯苯酚计。
The test result of Pentachlorophenol and its salts and esters is calculated by Pentachlorophenol.

全氟辛酸(PFOA)及其盐 Perfluorooctanoic acid (PFOA) and its salts

使用方法 CEN/TS 15968:2010, 通过 LC-MS-MS 分析。
Method(s) CEN/TS 15968:2010 was/were used, and the item(s) was/were analyzed by LC-MS-MS.

Table with 6 columns: Tested Item(s), Result (mg/kg) (001, 002, 003), MDL (mg/kg), Limit (mg/kg). Row 1: Perfluorooctanoic acid (PFOA) and its salts, N.D., N.D., N.D., 0.010, 0.025.

备注 Remark:
- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
- mg/kg = ppm = 百万分之一 parts per million
- 全氟辛酸(PFOA)及其盐包含 Perfluorooctanoic acid (PFOA) and its salts contains:

Table with 2 columns: Substance Name(s), CAS No. Rows include Perfluorooctanoic acid (PFOA), Ammonium pentadecafluorooctanoate (APFO), Sodium perfluorooctanoate (PFOA-Na), Potassium perfluorooctanoate (PFOA-K), Silver perfluorooctanoate (PFOA-Ag), Perfluorooctanoyl fluoride (PFOA-F).

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### ▼ 全氟辛酸类相关物质 Perfluorooctanoic acid related substances

使用方法 CEN/TS 15968:2010, 通过 LC-MS-MS & GC-MS 分析。

Method(s) CEN/TS 15968:2010 was/were used, and the item(s) was/were analyzed by LC-MS-MS & GC-MS.

测试项目 Tested Item(s)	CAS No.	结果 Result (mg/kg)		方法检出限	限值 Limit
		001	002	MDL (mg/kg)	(mg/kg)
全氟辛酸甲酯 Methyl perfluorooctanoate (Me-PFOA)	376-27-2	N.D.	N.D.	0.010	1
全氟辛酸乙酯 Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	N.D.	N.D.	0.010	1
全氟正辛基碘烷 Perfluorooctyl iodide (PFOI)	507-63-1	N.D.	N.D.	0.500	1
1H,1H,2H,2H-全氟癸基三乙氧基硅烷 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (PFSI)	101947-16-4	N.D.	N.D.	0.500	1
1H,1H,2H,2H-全氟-1-癸醇 1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	N.D.	N.D.	0.500	1
1-碘-1H,1H,2H,2H-全氟癸烷 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-iododecane (8:2 FTI)	2043-53-0	N.D.	N.D.	0.500	1
1H,1H,2H,2H-全氟癸磺酸 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	N.D.	N.D.	0.500	1
丙烯酸 1H,1H,2H,2H-十七氟癸酯 1H,1H,2H,2H-Heptadecafluorodecyl acrylate (8:2 FTAC)	27905-45-9	N.D.	N.D.	0.500	1
2-(全氟辛基)乙基甲基丙烯酸酯 1H,1H,2H,2H- Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	N.D.	N.D.	0.500	1
双(2-(全氟乙基))磷酸 8:2 Fluorotelomer phosphate diester (8:2diPAP)	678-41-1	N.D.	N.D.	0.500	1
总和 Total	--	N.D.	N.D.	--	1

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测试项目 Tested Item(s)	CAS No.	结果 Result (mg/kg)	方法检出限	限值 Limit
		003	MDL (mg/kg)	(mg/kg)
全氟辛酸甲酯 Methyl perfluorooctanoate (Me-PFOA)	376-27-2	N.D.	0.010	1
全氟辛酸乙酯 Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	N.D.	0.010	1
全氟正辛基碘烷 Perfluorooctyl iodide (PFOI)	507-63-1	N.D.	0.500	1
1H,1H,2H,2H-全氟癸基三乙氧基硅烷 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (PFSI)	101947-16-4	N.D.	0.500	1
1H,1H,2H,2H-全氟-1-癸醇 1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	N.D.	0.500	1
1-碘-1H,1H,2H,2H-全氟癸烷 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-Heptadecafluoro-10-iododecane (8:2 FTI)	2043-53-0	N.D.	0.500	1
1H,1H,2H,2H-全氟癸磺酸 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	N.D.	0.500	1
丙烯酸 1H,1H,2H,2H-十七氟癸酯 1H,1H,2H,2H-Heptadecafluorodecyl acrylate (8:2 FTAC)	27905-45-9	N.D.	0.500	1
2-(全氟辛基)乙基甲基丙烯酸酯 1H,1H,2H,2H- Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	N.D.	0.500	1
双(2-(全氟乙基))磷酸 8:2 Fluorotelomer phosphate diester (8:2diPAP)	678-41-1	N.D.	0.500	1
总和 Total	--	N.D.	--	1

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- mg/kg = ppm = 百万分之一 parts per million
- 所列测试项目为全氟辛酸类相关物质的代表性物质。The tested items listed in the table are the representative substances for Perfluorooctanoic acid related substances.

▼ **三氯杀螨醇 Dicofol**

参考方法 US EPA 3550C:2007 & US EPA 8270E:2018，通过 GC-MS 分析。

Refer to method(s) US EPA 3550C:2007 & US EPA 8270E:2018, and the item(s) was/were analyzed by GC-MS.

测试项目 Tested Item(s)	结果 Result (mg/kg)			方法检出限	限值 Limit
	001	002	003	MDL (mg/kg)	(mg/kg)
三氯杀螨醇 Dicofol	N.D.	N.D.	N.D.	0.05	N.D.

备注 Remark:

- MDL = 方法检出限 Method Detection Limit
- N.D. = 未检出 Not Detected (小于方法检出限 <MDL)
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样品/部位描述 Sample/Part Description

样品序号 Sample No.	部件序号 Article No.
001#	1+2
002#	3+4+5
003	6

部件序号 Article No.	样品/部位描述 Sample/Part Description
1	带有黑色印字的白色/黄色标签 White/yellow label with black printing
2	黑色塑料 Black plastic
3	IC（整体测试） IC(Tested as a whole)
4	IC（整体测试） IC(Tested as a whole)
5	黑色电感（整体测试） Black inductance(Tested as a whole)
6	PCB（整体测试） PCB(Tested as a whole)

注释 Note:

- #根据客户要求, 对样品进行混合测试, 测试结果不代表混合测试样品中任何一种单一材质的含量。  
As specified by client, the test was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.
- 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。  
The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

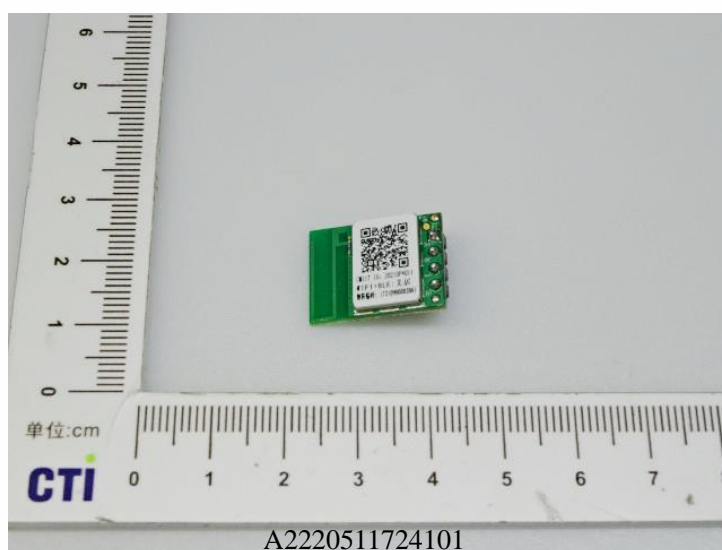
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样品图片

Photo(s) of the sample(s)



A2220511724101

成品 Final Product

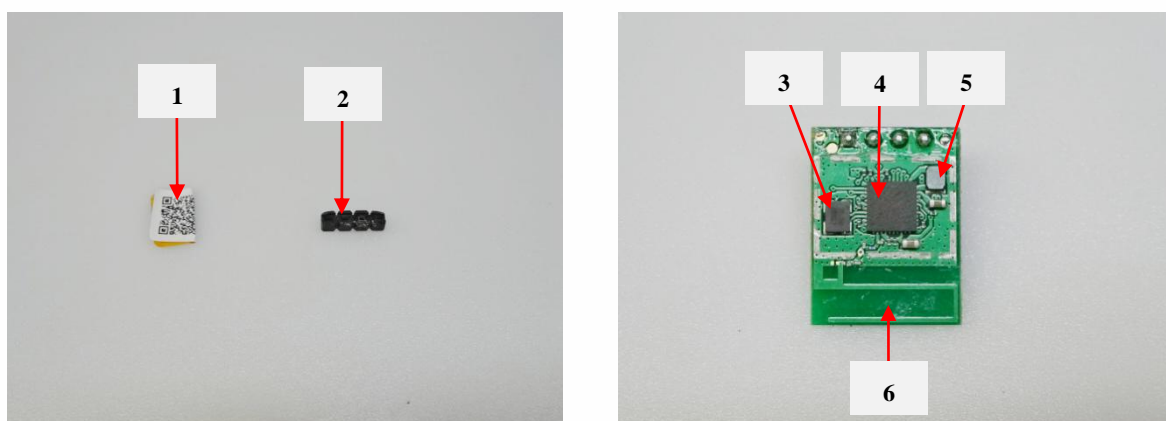
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## 样品图片

### 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;

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\*\*\* 报告结束 \*\*\*

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