

检测报告 Test Report

报告编号 Report No.: DGC250703040ND

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申请商 : 深圳市微视光电科技有限公司
Applicant : Shenzhen Vsndt Co., Ltd
地址 : 深圳市坪山区碧岭街道汤坑社区碧沙北路 10 号 4 栋坪山首座 18 楼
Address : 1804, 1805, 1806, 1807, Building 4 Pingshanshouzuo, No.10, BishaNorthRoad, Tangkeng Community, Biling Street, Pingshan District, Shenzhen,Guangdong

以下的检测样品及样品信息由客户提供并确认:

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

产品名称 Product Name : 工业内窥镜
INDUSTRIAL ENDOSCOPE (BORESCOPE)
型号 Model : XT
制造商 : 深圳市微视光电科技有限公司
Manufacturer : Shenzhen Vsndt Co., Ltd
地址 : 深圳市坪山区碧岭街道汤坑社区碧沙北路 10 号 4 栋坪山首座 18 楼
Address : 1804, 1805, 1806, 1807, Building 4 Pingshanshouzuo, No.10, BishaNorthRoad, Tangkeng Community, Biling Street, Pingshan District, Shenzhen,Guangdong

样品接收日期 : 2025-07-04
Date of Sample Received : 2025-07-04
检测日期 Test period : 2025-07-04 至 2025-07-23

检测要求

Test requested

依据RoHS指令2011/65/EU及其修订指令2015/863/EU, 对委托样品中镉(Cd)、铅(Pb)、汞(Hg)、六价铬(Cr(VI))、多溴联苯(PBBs)、多溴二苯醚(PBDEs)、邻苯二甲酸二(2-乙基)己基酯(DEHP)、邻苯二甲酸二正丁酯(DBP)、邻苯二甲酸丁苄酯(BBP)和邻苯二甲酸二异丁酯(DIBP)含量进行检测。

In accordance with RoHS Directive 2011/65/EU and amendment 2015/863/EU, to determine Cadmium (Cd), Lead (Pb), Mercury (Hg), Chromium (Cr(VI)), PBBs, PBDEs, Di (2-ethyl hexyl)-phthalate (DEHP), Dibutyl phthalate (DBP), Butylbenzyl phthalate (BBP), Diisobuty phthalate (DIBP) content on submitted samples.

结论

Conclusion

合格
Pass

检测方法 Test method : 请参见下一页 Please refer to next page.

检测结果 Test results : 请参见下一页 Please refer to next page.

签发

Approved by:

柯伟强

柯伟强

(授权签字人)

(Signed for and on behalf)

日期
Date:

2025-07-23

检测专用章

东莞市北测标准技术服务有限公司

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检测方法 Test Method:

1. 检测样品中铅 (Pb)、镉 (Cd)、汞 (Hg)、六价铬 (Cr (VI)), 多溴联苯 (PBBs)、多溴二苯醚 (PBDEs) 的含量:

参照IEC 62321电子电器产品中限制物质含量的检测程序, 先用XRF进行扫描检测, 然后用化学检测方法

1. For the Cadmium (Cd), Lead (Pb), Mercury (Hg), Chromium (Cr (VI)), PBBs, PBDEs:

With reference to IEC 62321 Procedures for the Determination of Levels of Regulated Substances in Electrotechnical Products, XRF scanning first test, then using chemical test method to confirm.

检测项目 Testing Item		检测方法 Test Method	检测仪器 Measuring Instrument	MDL
筛选检测 Screening test		IEC 62321-3-1: 2013 扫描方法 scanning	XRF	--
湿化学测试 Wet Chemical test	铅 Lead (Pb)	IEC 62321-5: 2013	ICP-OES	2mg/kg
	镉 Cadmium (Cd)	IEC 62321-5: 2013	ICP-OES	2mg/kg
	汞 Mercury (Hg)	IEC 62321-4: 2013+AMD1:2017	ICP-OES	2mg/kg
	六价铬 Chromium (Cr (VI))▼	IEC 62321-7-2:2017	UV-Vis	8mg/kg
		IEC 62321-7-1: 2015		0.10µg/cm ²
	多溴联苯 (PBBs)、多溴二苯醚 (PBDEs)	IEC 62321-6: 2015	GC-MS	5 mg/kg

2. 检测样品中 DEHP、DBP、BBP 和 DIBP 的含量 For the DEHP, DBP, BBP and DIBP:

检测项目 Testing Item	前处理方法 Pretreatment Method	检测仪器 Measuring Instrument	MDL
邻苯二甲酸二(2-乙基)己基酯 Di (2-ethyl hexyl)-phthalate (DEHP)	IEC 62321-8: 2017	GC-MS	30mg/kg
邻苯二甲酸丁苄酯 Butylbenzyl phthalate (BBP)			30 mg/kg
邻苯二甲酸二正丁酯 Dibutyl phthalate (DBP)			30 mg/kg
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)			30 mg/kg

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1. 测试对象的描述 Description of the test subject:

样品编号 Sample No.	部件名称 Location	样品描述 Sample Description
1	外壳组件 Shell assembly	黑色塑胶框 Black plastic frame
3	外壳组件 Shell assembly	橙色塑料壳 Orange plastic shell
4	外壳组件 Shell assembly	黑色塑料壳 Black plastic shell
5	外壳组件 Shell assembly	黑色软胶按键 Black soft rubber keys
6	外壳组件 Shell assembly	黑色塑料扣 Black plastic buckle
7	外壳组件 Shell assembly	银色金属块 Silver metal block
8	外壳组件 Shell assembly	黑色塑料片 Black plastic sheet
9	外壳组件 Shell assembly	黑色软胶塞 Black soft rubber stopper
10	外壳组件 Shell assembly	灰色金属弹簧 Grey metal spring
11	外壳组件 Shell assembly	银色金属套筒 Silver metal sleeve
12	外壳组件 Shell assembly	黑色塑料盖 Black plastic cover
13	外壳组件 Shell assembly	银色金属壳 Silver metal shell
14	外壳组件 Shell assembly	黑色套管 Black sleeve
15	外壳组件 Shell assembly	黑色软胶线扣 Black soft rubber thread buckle
16	外壳组件 Shell assembly	灰色金属线套 Grey metal wire sheath
17	外壳组件 Shell assembly	银色金属管 Silver metal tube
18	外壳组件 Shell assembly	灰黑色套管 Grayish-black casing
19	外壳组件 Shell assembly	银色金属环片套 Silver metal ring sheet sleeve
20	外壳组件 Shell assembly	白色纤维丝 White fiber filament
21	显示屏组件 Display screen assembly	暗黄色 FPC 排线 Dark yellow FPC flat cable
22	显示屏组件 Display screen assembly	黄色 FPC 排线 Yellow FPC flat cable
23	显示屏组件 Display screen assembly	铜色箔带胶 Copper-colored foil with adhesive

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24	显示屏组件 Display screen assembly	黑色透明胶膜 Black transparent adhesive film
25	显示屏组件 Display screen assembly	灰色透明玻璃 Grey transparent glass
26	显示屏组件 Display screen assembly	黑色透明玻璃 Black transparent glass
27	显示屏组件 Display screen assembly	黑/透明玻璃 Black/transparent glass
28	显示屏组件 Display screen assembly	银色金属框 Silver metal frame
29	显示屏组件 Display screen assembly	白色塑料框 White plastic frame
30	显示屏组件 Display screen assembly	透明胶片 Transparent film
31	显示屏组件 Display screen assembly	半透明胶片 Semi-transparent film
32	显示屏组件 Display screen assembly	米色胶片 Beige film
33	显示屏组件 Display screen assembly	银/白色胶片 Silver/white film
34	显示屏组件 Display screen assembly	透明塑料板 Transparent plastic sheet
35	PCB 板组件 PCB board assembly	白色塑料端子 White plastic terminal
36	PCB 板组件 PCB board assembly	银色金属端子 Silver metal terminal
37	PCB 板组件 PCB board assembly	红色线皮 Red thread leather
38	PCB 板组件 PCB board assembly	橙色线皮 Orange line leather
39	PCB 板组件 PCB board assembly	黄色线皮 Yellow thread leather
40	PCB 板组件 PCB board assembly	绿色线皮 Green thread leather
41	PCB 板组件 PCB board assembly	蓝色线皮 Blue line leather
42	PCB 板组件 PCB board assembly	灰色线皮 Grey line leather
43	PCB 板组件 PCB board assembly	棕色线皮 Brown thread leather
44	PCB 板组件 PCB board assembly	白色线皮 White thread leather
45	PCB 板组件 PCB board assembly	黑色线皮 Black thread leather
46	PCB 板组件 PCB board assembly	银色金属线芯 Silver metal wire core

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47	PCB 板组件 PCB board assembly	黑色塑料端子 Black plastic terminal
48	PCB 板组件 PCB board assembly	金色金属插针 Golden metal pins
49	PCB 板组件 PCB board assembly	浅绿色 PCB 板 Light green PCB board
50	PCB 板组件 PCB board assembly	PCB 板焊锡 PCB board soldering
51	PCB 板组件 PCB board assembly	插座银色金属框 The socket has a silver metal frame
52	PCB 板组件 PCB board assembly	插座白色塑料端子 White plastic terminal of the socket
53	PCB 板组件 PCB board assembly	插座金色金属插针 Golden metal pins for the socket
54	PCB 板组件 PCB board assembly	插座银色金属铆钉 Silver metal rivets for the socket
55	PCB 板组件 PCB board assembly	黑色塑料接座 Black plastic socket
56	PCB 板组件 PCB board assembly	银色金属接片 Silver metal connectors
57	PCB 板组件 PCB board assembly	绿色 PCB 板 Green PCB board
58	PCB 板组件 PCB board assembly	贴片电解电容银色铝壳 Silver aluminum shell of surface mount electrolytic capacitor
59	PCB 板组件 PCB board assembly	贴片电解电容黑色胶塞 Black rubber stopper for surface mount electrolytic capacitors
60	PCB 板组件 PCB board assembly	贴片电解电容电解纸 Electrolytic paper for surface mount electrolytic capacitors
61	PCB 板组件 PCB board assembly	贴片电解电容银色铝箔 Silver aluminum foil for surface mount electrolytic capacitors
62	PCB 板组件 PCB board assembly	贴片电解电容灰色铝箔 Gray aluminum foil for surface mount electrolytic capacitors
63	PCB 板组件 PCB board assembly	贴片电解电容银色金属铝片 Silver metal aluminum sheet of surface mount electrolytic capacitor
64	PCB 板组件 PCB board assembly	贴片电解电容银色金属引脚 Silver metal pins of surface mount electrolytic capacitors
65	PCB 板组件 PCB board assembly	贴片电解电容黑色塑料底座 Black plastic base for surface mount electrolytic capacitors
66	PCB 板组件 PCB board assembly	电感灰色本体 Gray inductor body

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67	PCB 板组件 PCB board assembly	电感铜色漆包线 Inductor copper-colored enameled wire
68	PCB 板组件 PCB board assembly	电感银色金属引脚 Silver metal pins of the inductor
69	PCB 板组件 PCB board assembly	白色塑料端子座 White plastic terminal block
70	PCB 板组件 PCB board assembly	贴片 IC Surface mount IC
71	PCB 板组件 PCB board assembly	贴片 IC Surface mount IC
72	PCB 板组件 PCB board assembly	贴片 IC Surface mount IC
73	PCB 板组件 PCB board assembly	黄色胶膜 Yellow adhesive film
74	PCB 板组件 PCB board assembly	黑色 PCB 板 Black PCB board
75	PCB 板组件 PCB board assembly	杏色塑料端子座 Apricot-colored plastic terminal block
76	PCB 板组件 PCB board assembly	端子座银色金属插针 Silver metal pins of the terminal block
77	PCB 板组件 PCB board assembly	端子座银色金属贴片 Silver metal patch for terminal block
78	PCB 板组件 PCB board assembly	USB 接口银色金属框 A silver metal frame for the USB interface
79	PCB 板组件 PCB board assembly	USB 接口蓝色塑料端子 Blue plastic terminal for USB interface
80	PCB 板组件 PCB board assembly	USB 接口银色金属插针 Silver metal pins for the USB interface
81	PCB 板组件 PCB board assembly	接口银色金属框 The interface features a silver metal frame
82	PCB 板组件 PCB board assembly	黑/米色软胶按键 Black/beige soft rubber keys
83	PCB 板组件 PCB board assembly	银色铝基板 Silver aluminum substrate
84	摇杆组件 Joystick assembly	暗蓝色线皮 Dark blue line leather
85	摇杆组件 Joystick assembly	暗红色线皮 Dark red thread leather
86	摇杆组件 Joystick assembly	暗绿色线皮 Dark green line leather
87	摇杆组件 Joystick assembly	暗黄色线皮 Dark yellow line leather
88	摇杆组件 Joystick assembly	黑色塑料框 Black plastic frame
89	摇杆组件 Joystick assembly	黑色软胶套 Black soft rubber sleeve

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90	适配器组件 Adapter component	type-c 插头黑色塑胶握柄 Black plastic handle for type-c plug
91	适配器组件 Adapter component	type-c 插头银色金属框 type-c plug silver metal frame
92	适配器组件 Adapter component	黑色线皮 Black thread leather
93	适配器组件 Adapter component	铜色金属线芯 Copper-colored metal wire core
94	适配器组件 Adapter component	黑色塑胶线扣 Black plastic wire buckle
95	适配器组件 Adapter component	黑色塑料壳 Black plastic shell
96	适配器组件 Adapter component	接口黑色塑料框 The interface features a black plastic frame
97	适配器组件 Adapter component	接口银色金属插针 The interface features silver metal pins
98	适配器组件 Adapter component	接口银色金属接脚 The interface has silver metal pins
99	适配器组件 Adapter component	X 电容黄色塑料外壳 The X capacitor has a yellow plastic casing
100	适配器组件 Adapter component	X 电容银色膜 Silver film of X capacitor
101	适配器组件 Adapter component	白色胶 White glue
102	适配器组件 Adapter component	共模电感银色金属框 Silver metal frame of common mode inductor
103	适配器组件 Adapter component	共模电感黑色磁框 Black magnetic frame for common mode inductor
104	适配器组件 Adapter component	共模电感铜色漆包线 Copper-colored enameled wire for common mode inductors
105	适配器组件 Adapter component	共模电感黑色塑料绕线架 Black plastic winding frame for common mode inductors
106	适配器组件 Adapter component	电解电容绿色胶膜 Green film for electrolytic capacitors
107	适配器组件 Adapter component	电解电容银色铝壳 Silver aluminum shell of electrolytic capacitor
108	适配器组件 Adapter component	电解电容黑色胶塞 Black rubber stopper for electrolytic capacitor
109	适配器组件 Adapter component	电解电容电解纸 Electrolytic capacitor electrolytic paper
110	适配器组件 Adapter component	电解电容银色铝箔 Silver aluminum foil for electrolytic capacitors
111	适配器组件 Adapter component	电解电容灰色铝箔 Electrolytic capacitor grey aluminum foil
112	适配器组件 Adapter component	电解电容银色铝片 Silver aluminum sheet of electrolytic capacitor

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113	适配器组件 Adapter component	电解电容银色金属引脚 Silver metal pins of electrolytic capacitors
114	适配器组件 Adapter component	变压器黑色泡棉垫带胶 The black foam pad of the transformer is adhesive
115	适配器组件 Adapter component	变压器黄色胶膜 Yellow rubber film for transformers
116	适配器组件 Adapter component	变压器黑色磁框 Black magnetic frame of the transformer
117	适配器组件 Adapter component	变压器铜色漆包线 Transformer copper-colored enameled wire
118	适配器组件 Adapter component	变压器黄色漆包线 Transformer yellow enameled wire
119	适配器组件 Adapter component	变压器黑色塑料绕线架 Black plastic winding frame for transformers
120	适配器组件 Adapter component	银色金属片 Silver metal sheet
121	适配器组件 Adapter component	二极管黑色本体 Black body of diode
122	适配器组件 Adapter component	二极管银色金属引脚 Silver metal pins of the diode
123	适配器组件 Adapter component	固态电容银色铝壳 Silver aluminum shell of solid capacitor
124	适配器组件 Adapter component	固态电容黑色胶塞 Black rubber stopper for solid capacitors
125	适配器组件 Adapter component	Y 电容蓝色本体 The blue body of the Y capacitor
126	适配器组件 Adapter component	Y 电容银色金属引脚 Silver metal pins of Y capacitor
127	适配器组件 Adapter component	磁环电感铜色漆包线 Copper-colored enameled wire for magnetic ring inductors
128	适配器组件 Adapter component	磁环电感红色漆包线 Red enameled wire for magnetic ring inductors
129	适配器组件 Adapter component	磁环电感带绿色涂层磁环 Magnetic ring inductors with green-coated magnetic rings
130	适配器组件 Adapter component	绿/黄色 PCB 板 Green/yellow PCB board
131	电源线组件 Power cord assembly	插头黑色塑胶握柄 The plug has a black plastic handle
132	电源线组件 Power cord assembly	插头银色金属框 The plug has a silver metal frame
133	电源线组件 Power cord assembly	插头暗银色金属框 The plug has a dark silver metal frame
134	电源线组件 Power cord assembly	黑色塑胶护线套 Black plastic wire sheath

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135	电源线组件 Power cord assembly	银色金属线套 Silver metal wire sheath
136	电源线组件 Power cord assembly	银色膜 Silver film
137	电源线组件 Power cord assembly	USB 插头黑色塑胶握柄 The black plastic handle of the USB plug
138	电源线组件 Power cord assembly	USB 插头银色金属框 The USB plug features a silver metal frame
139	电源线组件 Power cord assembly	USB 插头白色塑料端子 The USB plug has white plastic terminals
140	电源线组件 Power cord assembly	USB 插头米色包胶 The USB plug is beige with rubber coating
141	电源线组件 Power cord assembly	USB 插头黑色编织线套 Black braided cable sleeve for USB plug
142	电源线组件 Power cord assembly	USB 插头黑色塑胶护线套 Black plastic protective sheath for USB plug
143	电源线组件 Power cord assembly	插头黑色塑胶握柄 The plug has a black plastic handle
144	电源线组件 Power cord assembly	插头黑色塑料筒 The plug has a black plastic cylinder
145	电源线组件 Power cord assembly	黑色线皮 Black thread leather
146	电源线组件 Power cord assembly	铜色金属线芯 Copper-colored metal wire core
147	电源线组件 Power cord assembly	插头黑色塑胶握柄 The plug has a black plastic handle
148	电源线组件 Power cord assembly	插头银色金属插脚 The plug has silver metal pins
149	电源线组件 Power cord assembly	插头黑色塑料架 Black plastic plug frame

注 Remark:

No.3 和 No.20 测试样品为第二次送检样品（样品接收日期：2025-07-21）。

The test sample of No.3 and No.20 are the 2nd time sample (date of sample received: Jul. 21, 2025).

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2. 检测结果 Test results (单位 Unit: mg/kg):

No.	测试方法 Test Method	重金属和阻燃剂 Heavy Metals and Flame Retardants					邻苯二甲酸盐 Phthalates				结论 Conclusion
		Cd	Pb	Hg	Cr (Cr (VI))	Br (PBBs, PBDEs)	DEHP	BBP	DBP	DIBP	
1	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
3	筛选 Screening	BL	BL	BL	BL	BL	---	---	---	---	合格 Pass
	湿化学 Wet Chem.	---	---	---	---	---	N.D.	N.D.	N.D.	N.D.	
4	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
5	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
6	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
7	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
8	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
9	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
10	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
11	筛选 Screening	BL	BL	BL	IN	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
	湿化学 Wet Chem.	---	---	---	N.D.	---	---	---	---	---	
12	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
13	筛选 Screening	BL	BL	BL	IN	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
	湿化学 Wet Chem.	---	---	---	N.D.	---	---	---	---	---	
14	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
15	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
16	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
17	筛选 Screening	BL	BL	BL	IN	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
	湿化学 Wet Chem.	---	---	---	N.D.	---	---	---	---	---	
18	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass

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No.	测试方法 Test Method	重金属和阻燃剂 Heavy Metals and Flame Retardants					邻苯二甲酸盐 Phthalates				结论 Conclusion
		Cd	Pb	Hg	Cr (Cr (V I))	Br (PBBs, PBDEs)	DEHP	BBP	DBP	DIBP	
19	筛选 Screening	BL	BL	BL	IN	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
	湿化学 Wet Chem.	---	---	---	N.D.	---	---	---	---	---	
20	筛选 Screening	BL	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass
21	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
22	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
23	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
24	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
25	筛选 Screening	BL	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass
26	筛选 Screening	BL	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass
27	筛选 Screening	BL	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass
28	筛选 Screening	BL	BL	BL	IN	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
	湿化学 Wet Chem.	---	---	---	N.D.	---	---	---	---	---	
29	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
30	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
31	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
32	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
33	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
34	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
35	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
36	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
37	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
38	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass

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No.	测试方法 Test Method	重金属和阻燃剂 Heavy Metals and Flame Retardants					邻苯二甲酸盐 Phthalates				结论 Conclusion
		Cd	Pb	Hg	Cr (Cr (VI))	Br (PBBs, PBDEs)	DEHP	BBP	DBP	DIBP	
39	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
40	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
41	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
42	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
43	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
44	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
45	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
46	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
47	筛选 Screening	BL	BL	BL	BL	IN	BL	BL	BL	BL	合格 Pass
	湿化学 Wet Chem.	---	---	---	---	N.D.	---	---	---	---	
48	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
49	筛选 Screening	BL	BL	BL	BL	IN	BL	BL	BL	BL	合格 Pass
	湿化学 Wet Chem.	---	---	---	---	N.D.	---	---	---	---	
50	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
51	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
52	筛选 Screening	BL	BL	BL	BL	IN	BL	BL	BL	BL	合格 Pass
	湿化学 Wet Chem.	---	---	---	---	N.D.	---	---	---	---	
53	筛选 Screening	BL	IN	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
	湿化学 Wet Chem.	---	20300 参见备注(6) See Note (6)	---	---	---	---	---	---	---	

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No.	测试方法 Test Method	重金属和阻燃剂 Heavy Metals and Flame Retardants					邻苯二甲酸盐 Phthalates				结论 Conclusion
		Cd	Pb	Hg	Cr (Cr (VI))	Br (PBBs, PBDEs)	DEHP	BBP	DBP	DIBP	
54	筛选 Screening	BL	IN	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
	湿化学 Wet Chem.	---	18800 参见备注(6) See Note (6)	---	---	---	---	---	---	---	
55	筛选 Screening	BL	BL	BL	BL	IN	BL	BL	BL	BL	合格 Pass
	湿化学 Wet Chem.	---	---	---	---	N.D.	---	---	---	---	
56	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
57	筛选 Screening	BL	BL	BL	BL	IN	BL	BL	BL	BL	合格 Pass
	湿化学 Wet Chem.	---	---	---	---	N.D.	---	---	---	---	
58	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
59	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
60	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
61	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
62	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
63	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
64	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
65	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
66	筛选 Screening	BL	BL	BL	IN	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass
	湿化学 Wet Chem.	---	---	---	N.D.	---	---	---	---	---	
67	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
68	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
69	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass

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No.	测试方法 Test Method	重金属和阻燃剂 Heavy Metals and Flame Retardants					邻苯二甲酸盐 Phthalates				结论 Conclusion
		Cd	Pb	Hg	Cr (Cr (V I))	Br (PBBs, PBDEs)	DEHP	BBP	DBP	DIBP	
70	筛选 Screening	BL	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass
71	筛选 Screening	BL	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass
72	筛选 Screening	BL	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass
73	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
74	筛选 Screening	BL	BL	BL	BL	IN	BL	BL	BL	BL	合格 Pass
	湿化学 Wet Chem.	---	---	---	---	N.D.	---	---	---	---	
75	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
76	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
77	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
78	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
79	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
80	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
81	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
82	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
83	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
84	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
85	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
86	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
87	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
88	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
89	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass

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No.	测试方法 Test Method	重金属和阻燃剂 Heavy Metals and Flame Retardants					邻苯二甲酸盐 Phthalates				结论 Conclusion
		Cd	Pb	Hg	Cr (V I)	Br (PBBs, PBDEs)	DEHP	BBP	DBP	DIBP	
90	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
91	筛选 Screening	BL	BL	BL	IN	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
	湿化学 Wet Chem.	---	---	---	N.D.	---	---	---	---	---	
92	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
93	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
94	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
95	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
96	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
97	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
98	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
99	筛选 Screening	BL	BL	BL	BL	IN	BL	BL	BL	BL	合格 Pass
	湿化学 Wet Chem.	---	---	---	---	N.D.	---	---	---	---	
100	筛选 Screening	BL	BL	BL	BL	IN	BL	BL	BL	BL	合格 Pass
	湿化学 Wet Chem.	---	---	---	---	N.D.	---	---	---	---	
101	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
102	筛选 Screening	BL	BL	BL	IN	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
	湿化学 Wet Chem.	---	---	---	N.D.	---	---	---	---	---	
103	筛选 Screening	BL	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass
104	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
105	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
106	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass

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No.	测试方法 Test Method	重金属和阻燃剂 Heavy Metals and Flame Retardants					邻苯二甲酸盐 Phthalates				结论 Conclusion
		Cd	Pb	Hg	Cr (Cr (VI))	Br (PBBs, PBDEs)	DEHP	BBP	DBP	DIBP	
107	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
108	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
109	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
110	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
111	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
112	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
113	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
114	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
115	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
116	筛选 Screening	BL	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass
117	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
118	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
119	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
120	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
121	筛选 Screening	BL	OL 210927 参见备注(7) See Note (7)	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass
122	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
123	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
124	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
125	筛选 Screening	BL	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass

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No.	测试方法 Test Method	重金属和阻燃剂 Heavy Metals and Flame Retardants					邻苯二甲酸盐 Phthalates				结论 Conclusion
		Cd	Pb	Hg	Cr (Cr (V I))	Br (PBBs, PBDEs)	DEHP	BBP	DBP	DIBP	
126	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
127	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
128	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
129	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
130	筛选 Screening	BL	BL	BL	BL	IN	BL	BL	BL	BL	合格 Pass
	湿化学 Wet Chem.	---	---	---	---	N.D.	---	---	---	---	
131	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
132	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
133	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
134	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
135	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
136	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
137	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
138	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
139	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
140	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
141	筛选 Screening	BL	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	合格 Pass
142	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
143	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
144	筛选 Screening	BL	BL	BL	BL	IN	BL	BL	BL	BL	合格 Pass
	湿化学 Wet Chem.	---	---	---	---	N.D.	---	---	---	---	

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No.	测试方法 Test Method	重金属和阻燃剂 Heavy Metals and Flame Retardants					邻苯二甲酸盐 Phthalates				结论 Conclusion
		Cd	Pb	Hg	Cr (Cr (VI))	Br (PBBs, PBDEs)	DEHP	BBP	DBP	DIBP	
145	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
146	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
147	筛选 Screening	BL	BL	BL	BL	BL	BL	BL	BL	BL	合格 Pass
148	筛选 Screening	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.	合格 Pass
149	筛选 Screening	BL	BL	BL	BL	IN	BL	BL	BL	BL	合格 Pass
	湿化学 Wet Chem.	---	---	---	---	N.D.	---	---	---	---	

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备注 Note :

(1) (a)当用XRF扫描检测时, 多溴联苯 (PBBs)、多溴二苯醚 (PBDEs)为总溴的结果, 六价铬为总铬的结果;

It is the result on total Br while test PBBs, PBDEs by XRF, It is the result on total Cr while test Cr (VI) by XRF.

(b)检测程序先通过XRF做初步扫描, 如果XRF扫描结果超过下表(依据IEC 62321-3-1:2013)所给的最低警告浓度, 则进一步通过化学检测方法进行确认: 用ICP-OES检测铅(Pb), 镉(Cd)和汞(Hg)的含量, 用UV-Vis检测六价铬(Cr (VI)) 的含量和用GC-MS 检测溴(PBBs, PBDEs) 的含量;

Results are obtained by XRF for primary screening and further chemical testing by ICP-OES (for Pb, Cd and Hg), UV-Vis (for Cr (VI)) and GC-MS (for PBBs, PBDEs) is recommended to be performed, if the concentration exceeds the below warning value according to IEC 62321-3-1:2013 .

(单位 Unit: mg/kg)

元素 Element	聚合物 Polymer	金属 Metal	混合材料 Composite Materials
镉 Cadmium (Cd)	BL≤70 <X<130≤OL	BL≤70<X<130≤OL	LOD<X<150≤OL
铅Lead (Pb)	BL≤700<X<1300≤OL	BL≤700<X<1300≤OL	BL≤500<X<1500≤OL
汞 Mercury (Hg)	BL≤700<X<1300≤OL	BL≤700<X<1300≤OL	BL≤500<X<1500≤OL
铬 Chromium (Cr)	BL≤700<X	BL≤700<X	BL≤500<X
溴 Bromine (Br)	BL≤300<X	--	BL≤250<X

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- (c) 如果检测部位不是均一材质，XRF检测读数可能和样品实际浓度值不一样。

The XRF screening test for RoHS elements –The reading may be different to the actual content in the sample be of non-uniformity composition.

- (d) 邻苯二甲酸酯的筛选结果用于初步筛选，如果浓度超过警告值，建议通过GC-MS进行进一步的化学测试。其中n=混测数量。

The Screening results of Phthalates are for primary screening, and further chemical testing by GC-MS are recommended to be performed if the concentration exceeds the warning value.

Where n= number of mixed tests.

物质 Compound	聚合物 Polymer
DBP	$BL \leq 1000/n < X$
BBP	$BL \leq 1000/n < X$
DEHP	$BL \leq 1000/n < X$
DIBP	$BL \leq 1000/n < X$

- (e) OL=超过限值, BL=低于限值, IN=不能判定, LOD= 检测极限;

OL=Over Limit, BL=Below Limit, IN=Inconclusive, LOD= Limit of Detection;

- (2) mg/kg=ppm=0.0001%, N.D.=未检出(<MDL), MDL=方法检测极限, “---”=没有执行, “--”=无规定值, N.A.”=不适用;

mg/kg=ppm=0.0001%, N.D.=Not detected(<MDL), MDL=Method Detection Limit,

“---”=Not conducted, “--”=Not regulated, “N.A.”=Not applicable.

- (3)“▼”=金属材质 “▼”=Metal sample

- a. 若六价铬浓度大于 $0.13 \mu\text{g}/\text{cm}^2$ ，则样品对六价铬呈阳性，说明样品镀层中含有六价铬；

The sample is positive for Cr (VI) if the Cr (VI) concentration is greater than $0.13 \mu\text{g}/\text{cm}^2$.

The sample coating is considered to contain Cr (VI) ;

- b. 若六价铬浓度小于 $0.10 \mu\text{g}/\text{cm}^2$ ，则样品对六价铬呈阴性，说明样品镀层中不含有六价铬；

The sample is negative for Cr (VI) if Cr (VI) concentration is less than $0.10 \mu\text{g}/\text{cm}^2$.

The coating is considered a non-Cr (VI) based coating ;

- c. 结果在 $0.10 \mu\text{g}/\text{cm}^2$ 和 $0.13 \mu\text{g}/\text{cm}^2$ 之间被认为是不确定的- 不可避免的镀层变化可能影响测试；

The result between $0.10 \mu\text{g}/\text{cm}^2$ and $0.13 \mu\text{g}/\text{cm}^2$ is considered to be inconclusive

- unavoidable coating variations may influence the determination ;

无法获得被测样品的存储条件和生产日期信息，因此Cr (VI)结果表示测试时样品的状态。

Information on storage conditions and production date of the tested sample is unavailable and thus Cr (VI) results represent status of the sample at the time of testing.

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(4) RoHS 要求 Requirement:

限制物质 Restricted substances	限值 Limits
铅 Lead (Pb)	0.1% (1000 ppm)
镉 Cadmium (Cd)	0.01% (100 ppm)
六价铬 Chromium(VI) (Cr (VI))	0.1% (1000 ppm)
汞 Mercury (Hg)	0.1% (1000 ppm)
多溴联苯 Polybrominated biphenyls (PBBs)	0.1% (1000 ppm)
多溴二苯醚 Polybrominated diphenyl ethers (PBDEs)	0.1% (1000 ppm)
邻苯二甲酸二(5-乙基)己基酯 Di (5-ethyl hexyl)-phthalate (DEHP)	0.1% (1000 ppm)
邻苯二甲酸丁苄酯 Butylbenzyl phthalate (BBP)	0.1% (1000 ppm)
邻苯二甲酸二正丁酯 Dibutyl phthalate (DBP)	0.1% (1000 ppm)
邻苯二甲酸二异丁酯 Diisobutyl phthalate (DIBP)	0.1% (1000 ppm)

以上限值依据 RoHS 指令 2011/65/EU 及其修订指令 2015/863/EU。

The above limits are reference with RoHS Directive 2011/65/EU and amendment 2015/863/EU.

(5) 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。

Unless otherwise specified, refer to ILAC-G8:09/2019 and use the binary decision rule of simple acceptance (W=0) for conformity assessment.

(6) 依据 RoHS 指令(2011/65/EU) Annex III 豁免条款 6(c), 铜合金中的铅可豁免至 4%。

In accordance with RoHS Directive (2011/65/EU) Annex III Exemption list 6(c), the lead content in copper alloy is exempted up to 4 % by weight.

(7) 根据客户提供的声明, 样品材料基于依据 RoHS 指令(2011/65/EU) Annex III 豁免条款 7(a), 高熔点型焊料中的铅(例如铅基合金中铅含量超过 85%) 可以豁免。

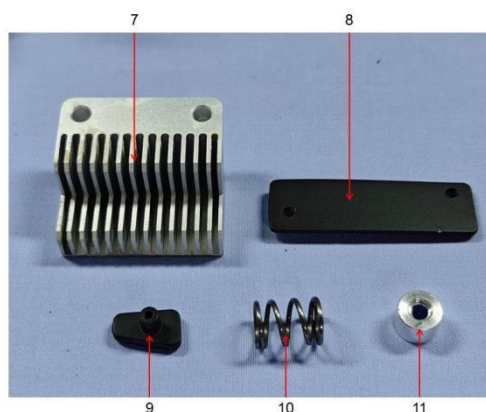
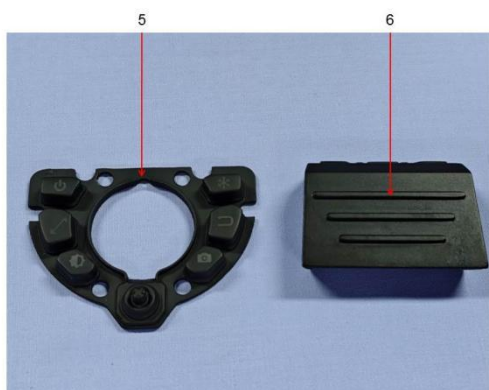
According to the declaration provided by the client, the sample material is based on In accordance with RoHS Directive (2011/65/EU) Annex III Exemption list 7(a), Lead in high melting temperature type solders (i.e. lead-based alloys containing 85 % by weight or more lead) is exempted.

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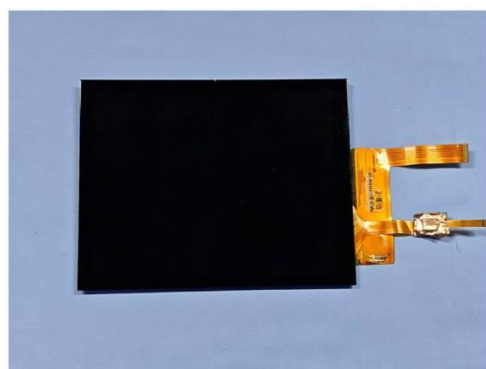
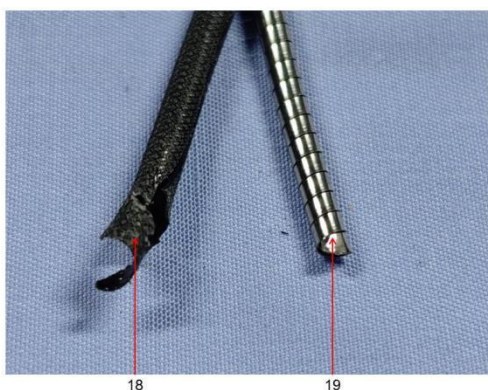
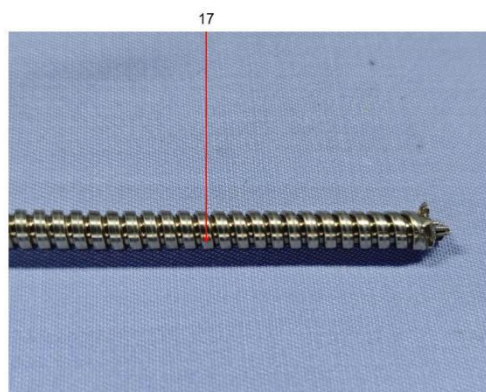
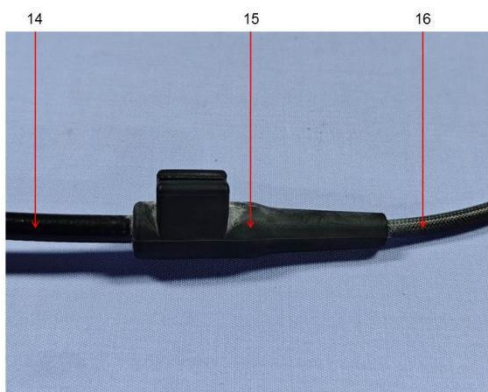
样品照片 Photographs of Sample:



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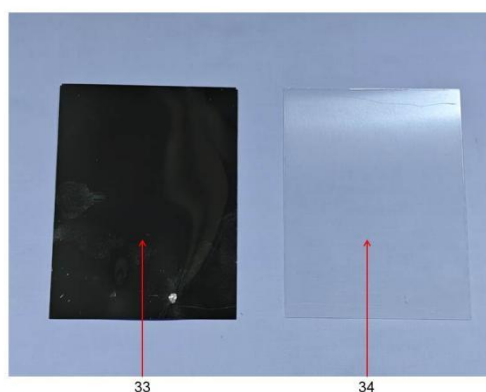
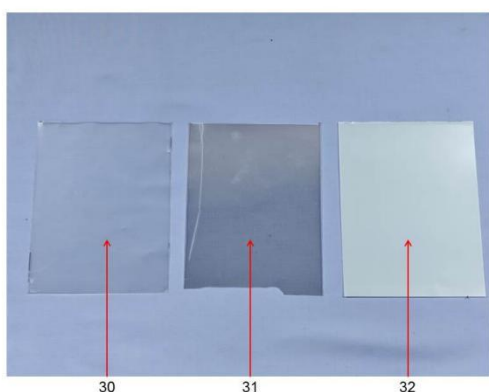
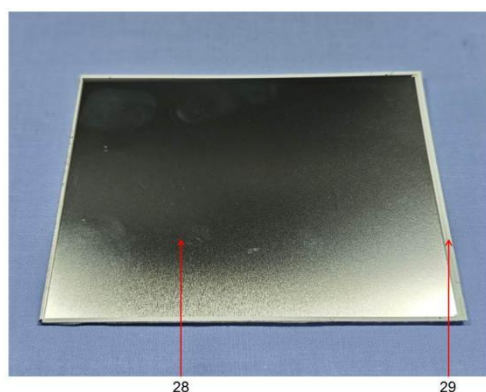
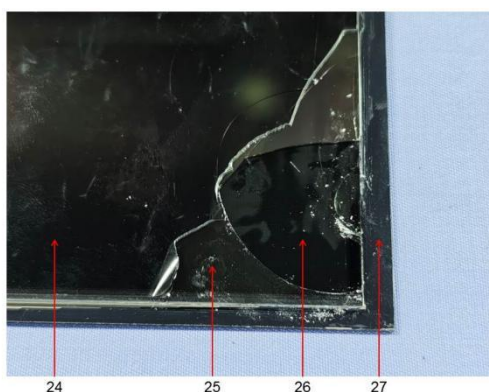
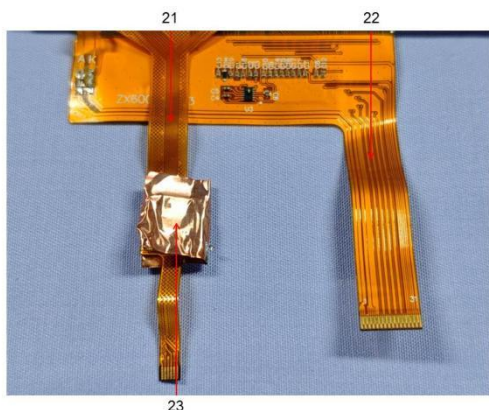
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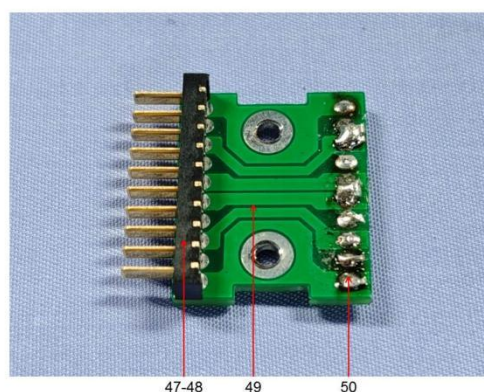
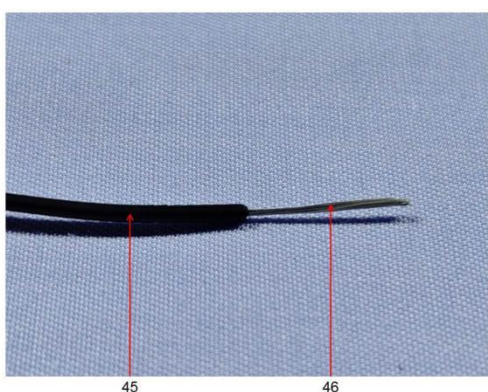
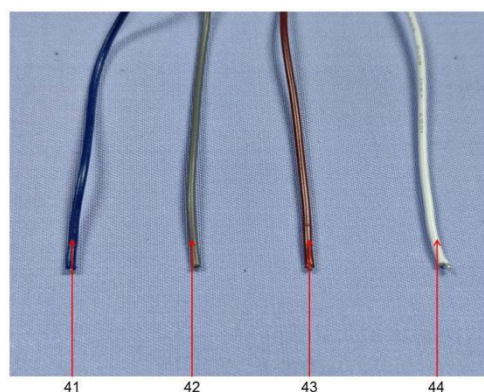
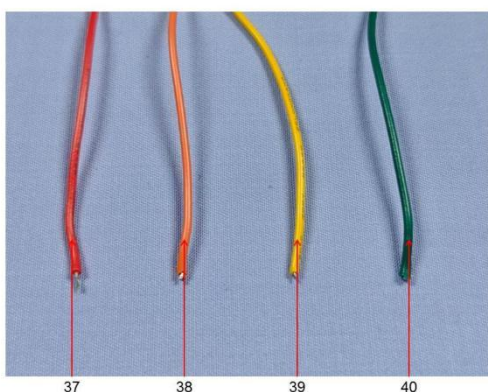
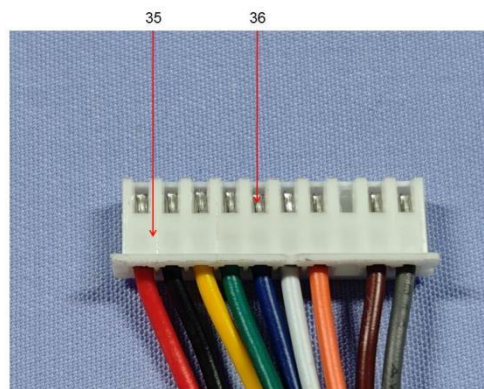
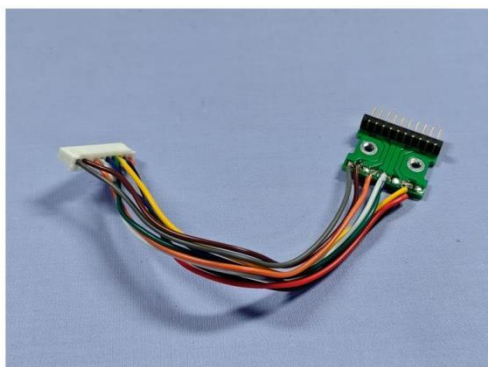
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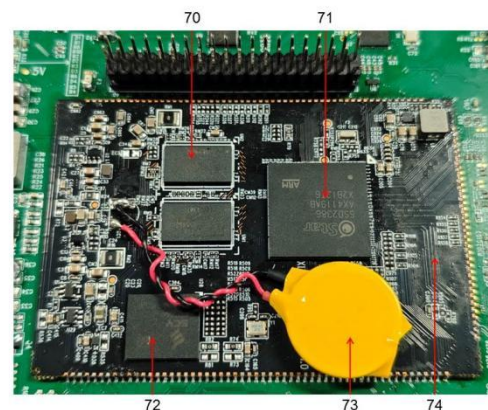
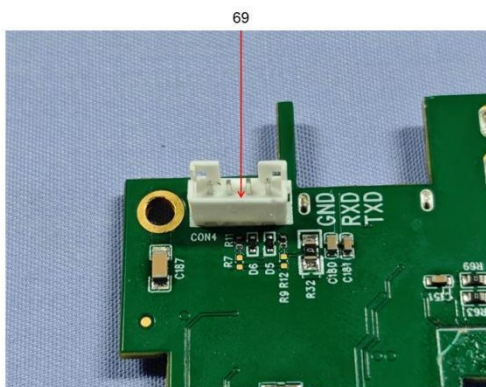
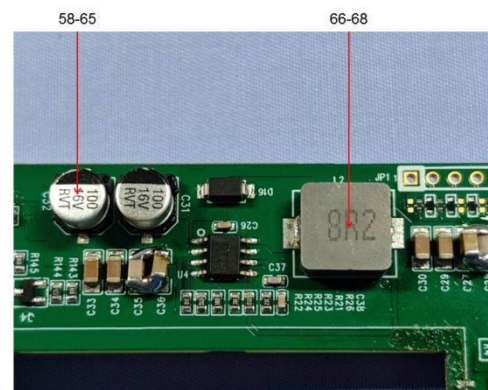
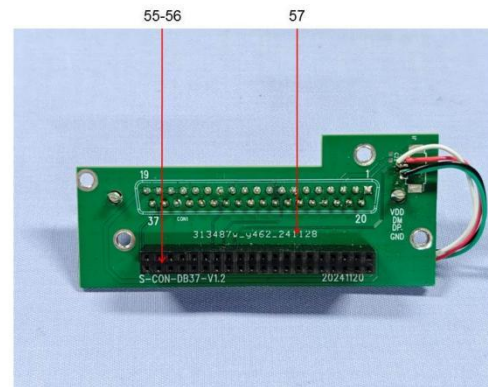
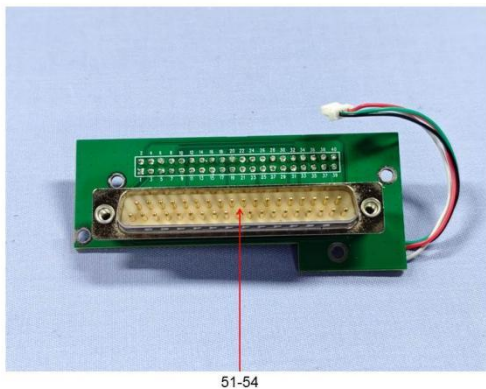
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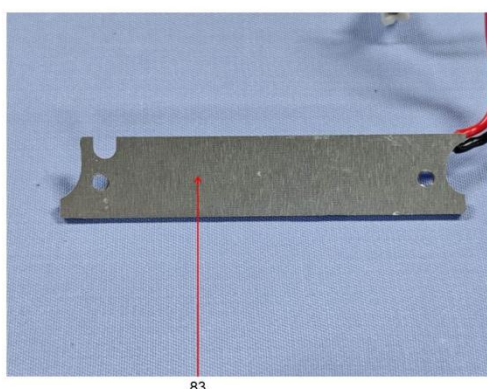
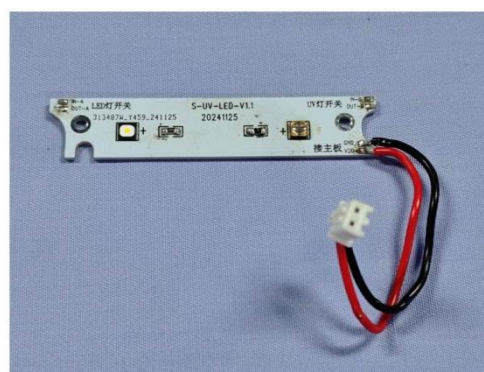
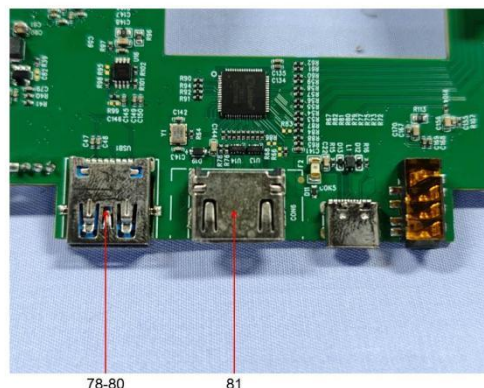
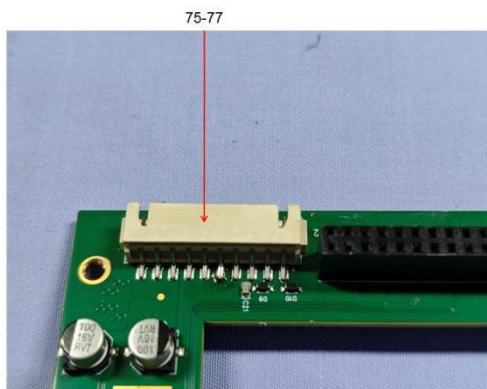
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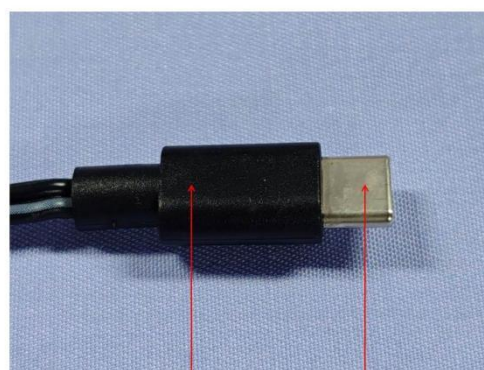
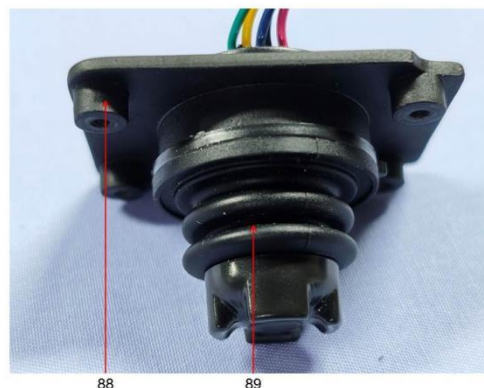
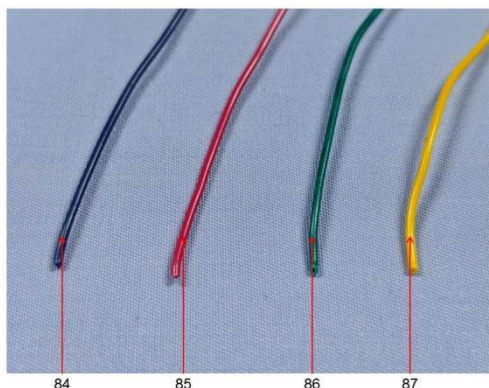
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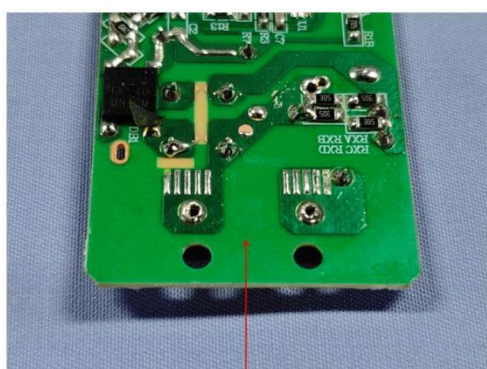
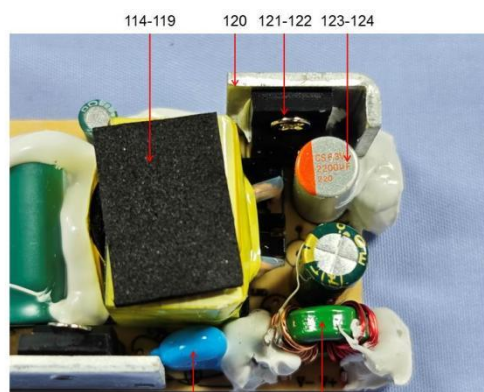
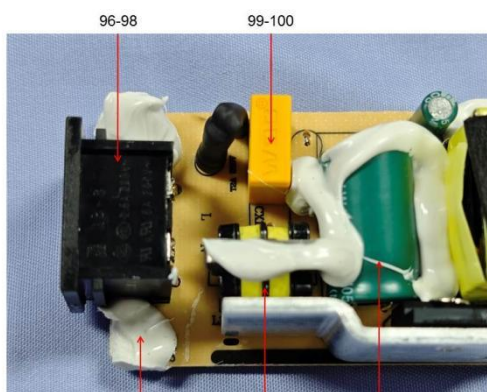
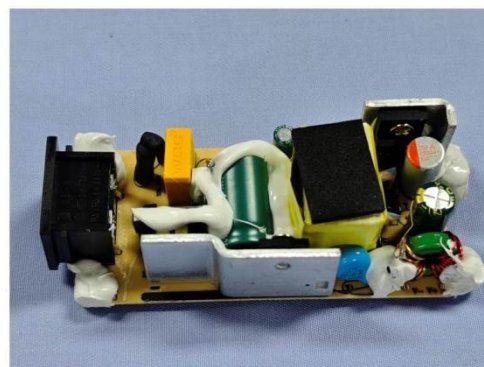
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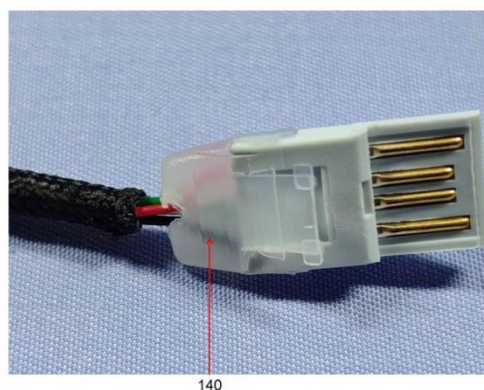
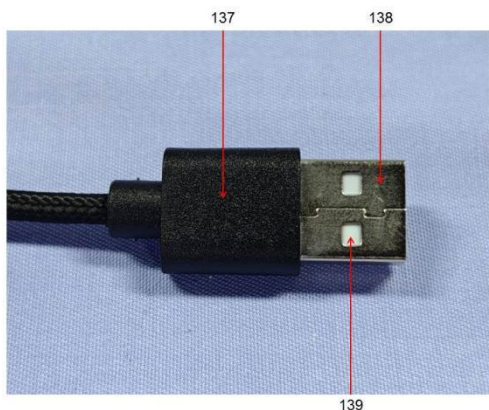
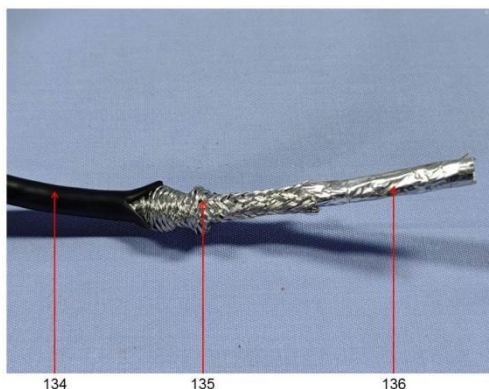
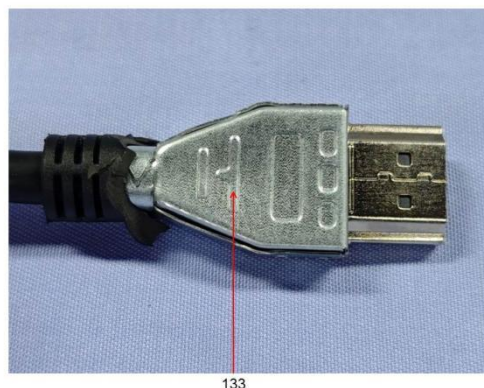
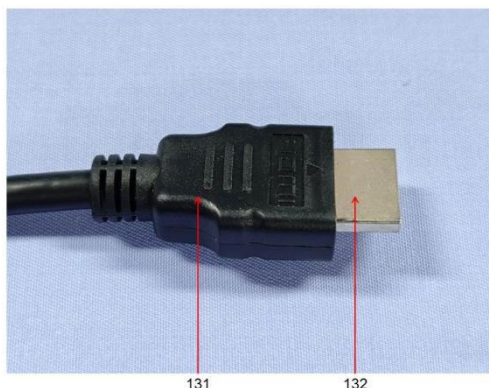
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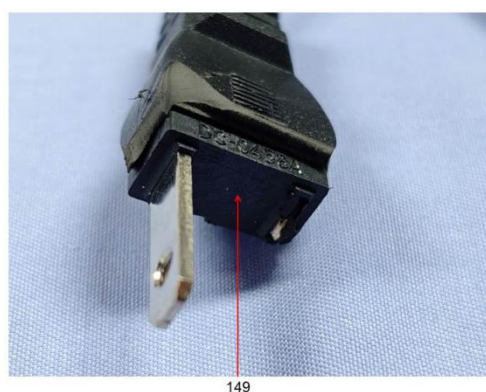
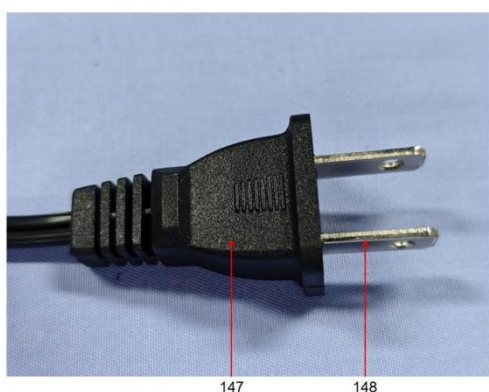
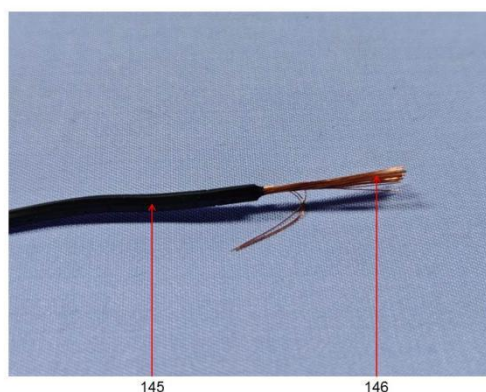
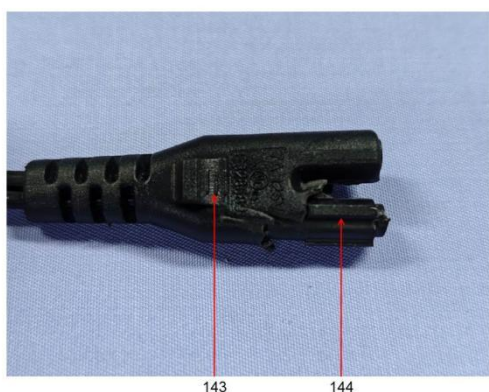
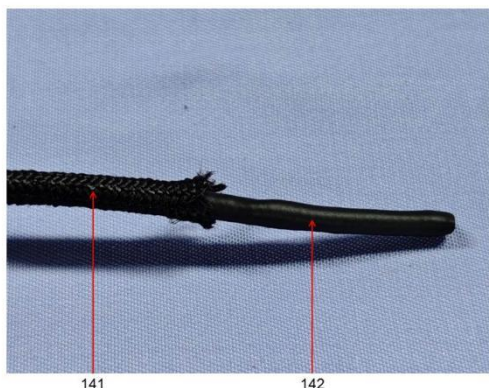
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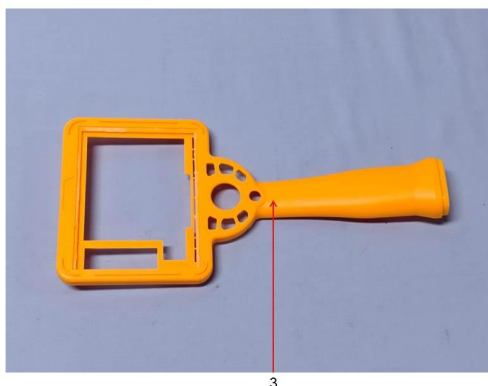
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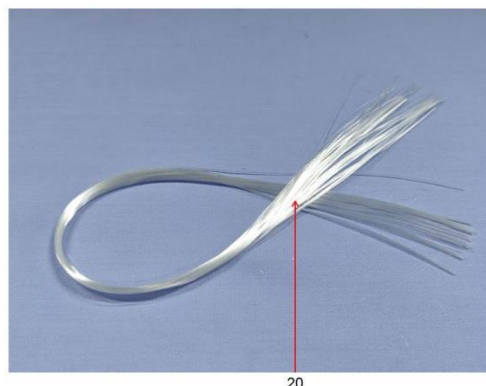
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第二次送检样品 2nd time sample



第二次送检样品 2nd time sample

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1. This report is considered invalid without approved signature, Detection special seal or Report seal;

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2. The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which NTEK hasn't verified;

3. 本报告检测结果仅对受测样品负责;

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

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Remark: When the report without CMA qualification seal, the testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

报告完 End of Report