



TEST REPORT

测试报告

LAB NO. 报告编号 : (8822)259-0092(A)
DATE 完成日期 : Oct 10, 2022
PAGE 页码 : 1 OF 15

Applicant Name: ZHIWEI ROBOTICS CORP.
申请公司名称: 上海智位机器人股份有限公司

Applicant Address: ROOM 603, PU SOFT BUILDING, 2 BOYUN ROAD, PUDONG NEW
申请公司地址: AREA, SHANGHAI
上海浦东新区博云路2号浦软大厦603室

Date of Submission: SEP 16, 2022
样品接收日期: 2022年9月16日

Test Period: SEP 16, 2022 TO OCT 10, 2022
测试周期: 2022年9月16日至2022年10月10日

Sample Description: UNIHAKER
样品描述:

Manufacturer : CHENGDU GEEKER TECHNOLOGY CO., LTD/成都极趣科技有限公司
制造商:

Style No. : DFR0706 **Sample Size:** 2
型号:

RT/ Daisy Cai

REMARK

If there are questions or concerns on this report, please contact the following persons:

Report Enquiry: (86) 0769 89952999 Ext. 8175 CPSAnalytical.DG@bureauveritas.com

Business Contact: (86) 0769 85893595

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SUMMARY OF TEST RESULTS

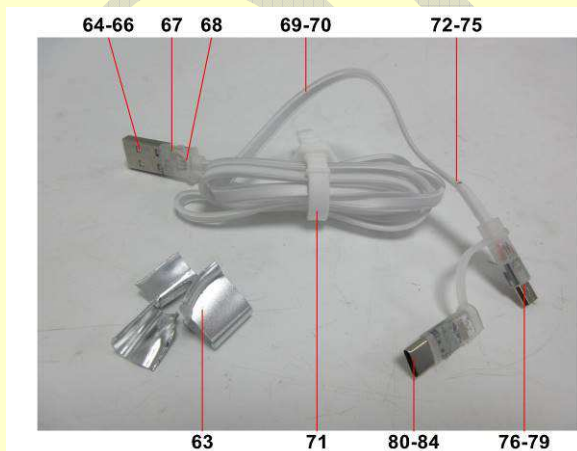
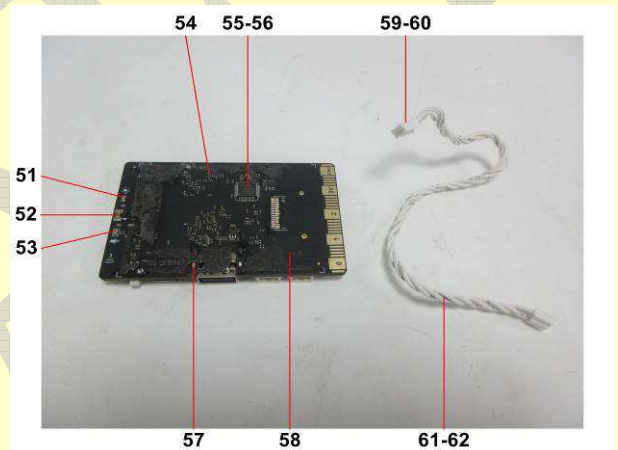
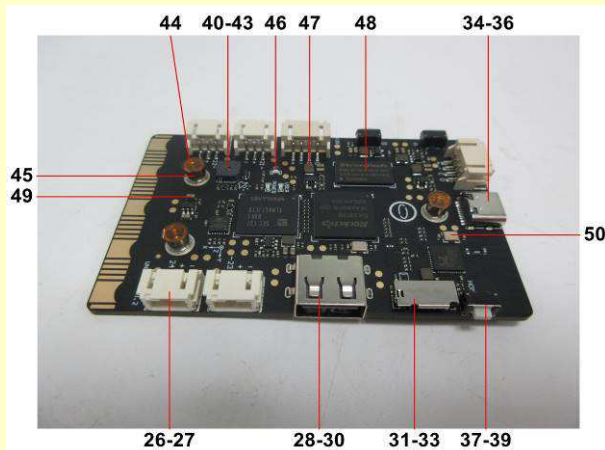
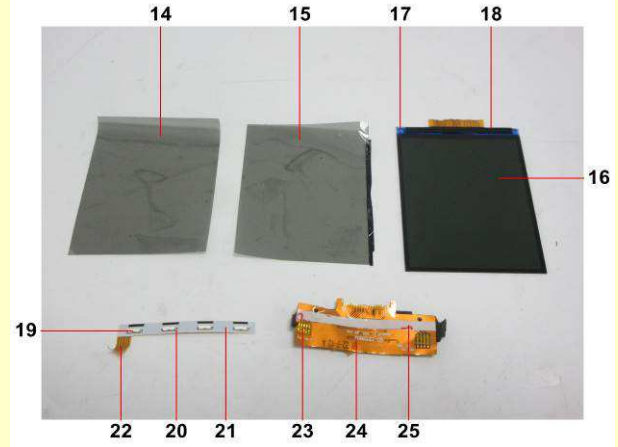
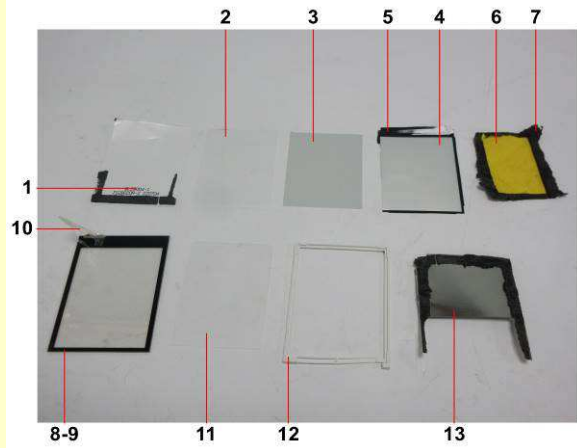
测试结果摘要

TEST REQUESTED 测试项目	CONCLUSION 结论	REMARK 备注
European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendment Directive (EU)2015/863 欧洲议会和理事会关于电子电气产品中某些有害物质的限制使用指令 2011/65/EU 及其修正指令 (EU)2015/863	PASS 合格	-

Photo of the Submitted Sample
提交的样品图片



Photo of Test Item(s)



Component Description List

测试部位描述清单

Test Item(s) 测试编号	Component Description(s) 样品描述	Location 位置	Style(s) 型号
1	Black printed white plastic (黑色印刷的白色塑胶)	Diaphragm, display screen (薄膜,显示屏)	-
2	Translucent/white plastic (半透明/白色塑胶)	Diaphragm, display screen (薄膜,显示屏)	-
3	Silver coated translucent plastic (银色涂层的半透明塑胶)	Diaphragm, display screen (薄膜,显示屏)	-
4	Silver/translucent plastic (银色/半透明塑胶)	Diaphragm, display screen (薄膜,显示屏)	-
5	Black plastic (黑色塑胶)	Adhesive tape, display screen (胶布,显示屏)	-
6	Yellow/translucent plastic (黄色/半透明塑胶)	Adhesive tape, display screen (胶布,显示屏)	-
7	Black foam (黑色泡棉)	Foam, display screen (泡棉,显示屏)	-
8	Black coated transparent glass (黑色涂层的透明玻璃)	Display screen (显示屏)	-
9	Grey coated transparent plastic (灰色涂层的透明塑胶)	Diaphragm, display screen (隔膜,显示屏)	-
10	Transparent adhesive (透明不干胶)	Adhesive, display screen (不干胶,显示屏)	-
11	Transparent plastic (透明塑胶)	Board, display screen (隔板,显示屏)	-
12	White plastic (白色塑胶)	Frame, diaphragm, display screen (边框,薄膜,显示屏)	-
13	Silvery metal (银色金属)	Holder, display screen (固定器,显示屏)	-
14	Grey/translucent plastic (灰色/半透明塑胶)	Diaphragm, display screen (隔膜,显示屏)	-
15	Grey/translucent plastic (灰色/半透明塑胶)	Diaphragm, display screen (隔膜,显示屏)	-
16	Black coated transparent glass (黑色涂层的透明玻璃)	Display screen (显示屏)	-
17	Blue glue (蓝色胶水)	Glue, display screen (胶水,显示屏)	-
18	Black foam (黑色泡棉)	Foam, display screen (泡棉,显示屏)	-
19	White body (白色物体)	SMD LED, FPC, display screen (贴片发光二极管,柔性电路板,显	-
20	Silvery solder (银色焊锡)	Solder, FPC, display screen (焊锡,柔性电路板,显示屏)	-
21	Light blue/black plastic (浅蓝色/黑色塑胶)	Adhesive tape, FPC, display screen (胶布,柔性电路板,显示屏)	-

Test Item(s) 测试编号	Component Description(s) 样品描述	Location 位置	Style(s) 型号
22	Black/brown FPC (黑色/棕色柔性电路板)	FPC, display screen (柔性电路板,显示屏)	-
23	Silvery solder (银色焊锡)	Solder, FPC, display screen (焊锡,柔性电路板,显示屏)	-
24	Brown FPC (棕色柔性电路板)	FPC, display screen (柔性电路板,显示屏)	-
25	Black printed white paper (黑色印刷的白色纸片)	Sticker, FPC, display screen (贴纸,柔性电路板,显示屏)	-
26	Beige plastic (米黄色塑胶)	Socket, PCB (插口,电路板)	-
27	Silvery metal (银色金属)	Pin, socket, PCB (引脚,插口,电路板)	-
28	Silvery metal (银色金属)	Contact plate, USB plug, PCB (接触片,USB 插口,电路板)	-
29	Silvery metal (银色金属)	Pin, USB plug, PCB (引脚,USB 插口,电路板)	-
30	Black plastic (黑色塑胶)	Pin holder, USB plug, PCB (固定器,引脚,USB 插口,电路板)	-
31	Silvery metal (银色金属)	Contact plate, card slot, PCB (接触片,卡槽,电路板)	-
32	Silvery metal (银色金属)	Pin, card slot, PCB (引脚,卡槽,电路板)	-
33	Black plastic (黑色塑胶)	Pin holder, card slot, PCB (固定器,引脚,卡槽,电路板)	-
34	Silvery metal (银色金属)	Contact plate, type c plug, PCB (接触片,C 型插口,电路板)	-
35	Silvery metal (银色金属)	Pin, type c plug, PCB (引脚,C 型插口,电路板)	-
36	Black plastic (黑色塑胶)	Pin holder, type c plug, PCB (固定器,引脚,C 型插口,电路板)	-
37	White plastic (白色塑胶)	Switch, PCB (开关,电路板)	-
38	Black plastic (黑色塑胶)	Switch, PCB (开关,电路板)	-
39	Silvery metal (银色金属)	Switch, PCB (开关,电路板)	-
40	Black plastic (黑色塑胶)	Case, buzzer, PCB (外壳,蜂鸣器,电路板)	-
41	Silvery metal (银色金属)	Contact plate, buzzer, PCB (接触片,蜂鸣器,电路板)	-
42	Coppery metal (铜色金属)	Coil, buzzer, PCB (线圈,蜂鸣器,电路板)	-
43	Silvery metal (银色金属)	Coil holder, buzzer, PCB (固定器,线圈,蜂鸣器,电路板)	-
44	Yellow/translucent plastic (黄色/半透明塑胶)	Film, nut, PCB (薄膜,螺母,电路板)	-

Test Item(s) 测试编号	Component Description(s) 样品描述	Location 位置	Style(s) 型号
45	Silvery metal (银色金属)	Nut, PCB (螺母,电路板)	-
46	White body (白色物体)	SMD LED, PCB (贴片发光二极管,电路板)	-
47	Grey/copper metal (灰色/铜色金属)	Inductor, PCB (感应器,电路板)	-
48	Black body (黑色物体)	SMD IC, PCB (贴片集成电路,电路板)	-
49	Brown body (棕色物体)	SMD capacitor, PCB (贴片电容器,电路板)	-
50	Golden/silvery body (金色/银色物体)	SMD EC, PCB (贴片元器件,电路板)	-
51	Beige body (米黄色物体)	SMD LED, PCB (贴片发光二极管,电路板)	-
52	Black printed white body (黑色印刷的白色物体)	SMD resistor, PCB (贴片电阻,电路板)	-
53	Silvery body (银色物体)	SMD EC, PCB (贴片元器件,电路板)	-
54	Black body (黑色物体)	SMD diode, PCB (贴片二极管,电路板)	-
55	Black body (黑色物体)	IC, PCB (集成电路,电路板)	-
56	Silvery/copper metal (银色/铜色金属)	Plate, IC, PCB (接触片,集成电路,电路板)	-
57	Silvery solder (银色焊锡)	Solder, PCB (焊锡,电路板)	-
58	Black PCB (黑色电路板)	PCB (电路板)	-
59	White plastic (白色塑胶)	Socket, cable (插口,线缆)	-
60	Silvery metal (银色金属)	Pin, socket, cable (引脚,插口,线缆)	-
61	White soft plastic (白色软塑胶)	Wire insulation, cable (绝缘线,线缆)	-
62	Silvery metal (银色金属)	Wire, cable (线芯,线缆)	-
63	Silvery metal (银色金属)	Case, plug, cable (外壳,插口,线缆)	-
64	Silvery metal (银色金属)	Contact plate, USB plug, cable (接触片,USB 插口,线缆)	-
65	Silvery metal (银色金属)	Pin, USB plug, cable (引脚,USB 插口,线缆)	-
66	White plastic (白色塑胶)	Pin holder, USB plug, cable (固定器,引脚,USB 插口,线缆)	-
67	Silvery solder (银色焊锡)	Solder, USB plug, cable (焊锡,USB 插口,线缆)	-



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Test Item(s) 测试编号	Component Description(s) 样品描述	Location 位置	Style(s) 型号
68	Translucent soft plastic (半透明软塑胶)	Connector, USB plug, cable (连接器,USB 插口,线缆)	-
69	Transparent soft plastic (透明软塑胶)	Wire jacket, cable (线皮,线缆)	-
70	White soft plastic (白色软塑胶)	Wire insulation, cable (绝缘线,线缆)	-
71	White soft plastic (白色软塑胶)	Buckle, cable (扣子,线缆)	-
72	Red metal (红色金属)	Wire, cable (线芯,线缆)	-
73	Green metal (绿色金属)	Wire, cable (线芯,线缆)	-
74	Blue metal (蓝色金属)	Wire, cable (线芯,线缆)	-
75	Coppery metal (铜色金属)	Wire, cable (线芯,线缆)	-
76	Silvery metal (银色金属)	Contact plate, micro USB plug, cable (接触片,微型 USB 插口,线缆)	-
77	Silvery metal (银色金属)	Pin, micro USB plug, cable (引脚,微型 USB 插口,线缆)	-
78	Black plastic (黑色塑胶)	Pin holder, micro USB plug, cable (固定器,引脚,微型 USB 插口,线 缆)	-
79	Silvery solder (银色焊锡)	Solder, micro USB plug, cable (焊锡,微型 USB 插口,线缆)	-
80	Silvery metal (银色金属)	Contact plate, type c plug, cable (接触片,C 型插口,线缆)	-
81	Golden metal (金色金属)	Pin, type c plug, cable (引脚,C 型插口,线缆)	-
82	Black plastic (黑色塑胶)	Pin holder, type c plug, cable (固定器,引脚,C 型插口,线缆)	-
83	Silvery solder (银色焊锡)	Solder, PCB, type c plug, cable (焊锡,电路板,C 型插口,线缆)	-
84	Green PCB (绿色电路板)	PCB, type c plug, cable (电路板,C 型插口,线缆)	-
85	Transparent plastic (透明塑胶)	Box (盒子)	-
86	Clear laminated multi-color printed white paper (带清晰的层压的复合 彩色印刷的白色纸片)	Board, box (纸板,盒子)	-



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TEST RESULT 测试结果

Compliance Test – European Parliament and Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with its Amendment Directive (EU)2015/863

合规测试 – 欧洲议会和理事会关于电子电气产品中某些有害物质的限制使用指令2011/65/EU及其修正指令(EU)2015/863

Test Method : See Appendix.
 测试方法 见附录

-	Result (s) 结果									
Parameter 参数	Lead (Pb) 铅	Mercury (Hg) 汞	Cadmium (Cd) 镉	Chromium VI (Cr VI) 六价铬	PBBs & PBDEs 多溴联苯 和多溴联 苯醚	BBP 邻苯二 甲酸丁 苄酯	DBP 邻苯二 甲酸二 丁酯	DEHP 邻苯二 甲酸二 (2-乙基 己基)酯	DIBP 邻苯二 甲酸二 异丁酯	Conclusion 结论
Unit 单位	mg/kg 毫克每千克									-
Test Item(s) 测试编号	-	-	-	-	-	-	-	-	-	-
1	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
2	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
3	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
4	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
5	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
6	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
7	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
8	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
9	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
10	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
11	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
12	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
13	BL	BL	BL	Negative*	NA	NA	NA	NA	NA	PASS 合格
14	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
15	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
16	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
17	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
18	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
19	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
20	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
21	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
22	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格



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TEST RESULT 测试结果

-	Result (s) 结果									
Parameter 参数	Lead (Pb) 铅	Mercury (Hg) 汞	Cadmium (Cd) 镉	Chromium VI (Cr VI) 六价铬	PBBs & PBDEs 多溴联苯 和多溴联 苯醚	BBP 邻苯二 甲酸丁 苄酯	DBP 邻苯二 甲酸二 丁酯	DEHP 邻苯二 甲酸二 (2-乙基 己基)酯	DIBP 邻苯二 甲酸二 异丁酯	Conclusion 结论
Unit 单位	mg/kg 毫克每千克									-
Test Item(s) 测试编号	-	-	-	-	-	-	-	-	-	-
23	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
24	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
25	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
26	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
27	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
28	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
29	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
30	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
31	BL	BL	BL	Negative*	NA	NA	NA	NA	NA	PASS 合格
32	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
33	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
34	BL	BL	BL	Negative*	NA	NA	NA	NA	NA	PASS 合格
35	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
36	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
37	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
38	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
39	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
40	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
41	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
42	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
43	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
44	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格



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TEST RESULT 测试结果

-	Result (s) 结果									
Parameter 参数	Lead (Pb) 铅	Mercury (Hg) 汞	Cadmium (Cd) 镉	Chromium VI (Cr VI) 六价铬	PBBs & PBDEs 多溴联苯 和多溴联 苯醚	BBP 邻苯二 甲酸丁 苄酯	DBP 邻苯二 甲酸二 丁酯	DEHP 邻苯二 甲酸二 (2-乙基 己基)酯	DIBP 邻苯二 甲酸二 异丁酯	Conclusion 结论
Unit 单位	mg/kg 毫克每千克									-
Test Item(s) 测试编号	-	-	-	-	-	-	-	-	-	-
45	28080*	BL	BL	BL	NA	NA	NA	NA	NA	EXEMPTED# 豁免
46	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
47	BL	BL	BL	Negative*	NA	NA	NA	NA	NA	PASS 合格
48	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
49	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
50	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
51	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
52	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
53	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
54	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
55	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
56	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
57	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
58	BL	BL	BL	BL	BL*	BL*	BL*	BL*	BL*	PASS 合格
59	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
60	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
61	BL	BL	BL	BL	BL	BL*	150*	BL*	BL*	PASS 合格
62	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
63	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
64	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
65	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
66	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格



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TEST RESULT 测试结果

-	Result (s) 结果									
Parameter 参数	Lead (Pb) 铅	Mercury (Hg) 汞	Cadmium (Cd) 镉	Chromium VI (Cr VI) 六价铬	PBBs & PBDEs 多溴联苯 和多溴联 苯醚	BBP 邻苯二 甲酸丁 苄酯	DBP 邻苯二 甲酸二 丁酯	DEHP 邻苯二 甲酸二 (2-乙基 己基)酯	DIBP 邻苯二 甲酸二 异丁酯	Conclusion 结论
Unit 单位	mg/kg 毫克每千克									-
Test Item(s) 测试编号	-	-	-	-	-	-	-	-	-	-
67	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
68	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
69	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
70	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
71	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
72	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
73	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
74	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
75	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
76	BL	BL	BL	Negative*	NA	NA	NA	NA	NA	PASS 合格
77	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
78	BL	BL	BL	ND*	BL	BL*	BL*	BL*	BL*	PASS 合格
79	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
80	BL	BL	BL	Negative*	NA	NA	NA	NA	NA	PASS 合格
81	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
82	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
83	BL	BL	BL	BL	NA	NA	NA	NA	NA	PASS 合格
84	BL	BL	BL	BL	BL*	BL*	BL*	BL*	BL*	PASS 合格
85	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格
86	BL	BL	BL	BL	BL	BL*	BL*	BL*	BL*	PASS 合格



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Note / Key 注释:

BL = Below limit

OL = Over limit

ND = Not detected

NA = Not applicable

BL = 低于限值

OL = 超过限值

ND = 未检出

NA = 不适用

mg/kg = milligram(s) per kilogram = ppm = part(s) per million

mg/kg = 毫克每千克 = ppm = 百万分之一

Detection Limit : See Appendix.

检出限: 见附录

Remark 备注:

- *Denotes as reported result(s) was (were) performed by wet chemistry method. Others were screened by XRF. For XRF screening, the result(s) of Cr VI was (were) reported as total chromium and the result(s) of PBBs and PBDEs was (were) reported as total bromine. Also, the XRF result(s) may be different to the actual content based on various factors including, but not limit to, sample size, thickness, area, non-uniformity composition, surface flatness.
标*的结果为湿化学测试结果, 其它为 XRF 扫描结果。对于 XRF 扫描, 六价铬结果以总铬量表示, 多溴联苯 (PBBs) 和多溴联苯醚 (PBDEs) 结果以总溴量表示。此外, 基于但不限于样品量、厚度、面积、成分不均匀性、表面平整性等原因, XRF 结果可能与实际浓度有所偏差。
*Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Council Directive 2011/65/EU, Article 4(1).
*金属的六价铬结果用阳性和阴性表示, 阴性意味着测试点不含六价铬, 符合欧盟委员会指令 2011/65/EU, 阳性意味着测试点含有六价铬, 不符合欧盟委员会指令 2011/65/EU。
- According to European Council Directive 2011/65/EU, Article 5 "Adaptation of the Annexes to scientific and technical progress", exemption(s) should be granted to the materials and components of Test Item(s) in the lists in Annexes III and IV of this directive.
根据欧盟委员会指令 2011/65/EU 条款 5, 附件 III 和 IV 中列明的材料和部件可予以豁免。
- #According to Annex III of European Council Directive 2011/65/EU, exemptions were granted a few materials and Clause 6(c) is reiterated here "Copper alloy containing up to 4 % lead by weight". Test Item(s) 45 was claimed as is by client (received as is). Therefore, this (these) Test Item(s) containing the found lead level should be exempted.
#根据欧盟委员会指令 2011/65/EU 附件 III 豁免条款 6(c) "铜合金中铅含量不超过 4%", 客人声明测试点 45 的铅含量可予以豁免。
If there is any ambiguity between English and Chinese version, please refer to the English version.
如果中英文有歧义, 以英文版为准。



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APPENDIX
附录

List of Analytes and their Corresponding Test Methods, Detection Limit and Maximum Allowable Limit [Compliance Test for European Parliament and Council Directive 2011/65/EU] : 分析物名单、其相应的测试方法、检出限及最大允许限 [欧盟委员会指令 2011/65/EU 合规测试] :						
No. 序号	Name of Analytes 分析物名称	Detection Limit(mg/kg) 检出限(mg/kg)				Maximum Allowable Limit(mg/kg) 最大允许限值 (mg/kg)
		X-ray fluorescence (XRF) ^[a] X 射线荧光光谱分析(XRF) ^[a]			Wet Chemistry 湿化学	
		Plastic 塑料	Metal/Glass/ Ceramic 金属/玻璃/陶瓷	Others 其他材料		
1	Lead (Pb) 铅	100	200	200	10 ^[b]	1000
2	Cadmium (Cd) 镉	50	50	50	10 ^[b]	100
3	Mercury (Hg) 汞	100	200	200	10 ^[c]	1000
4	Chromium (Cr) 铬	100	200	200	NA	NA
5	Chromium VI (Cr VI) 六价铬	NA	NA	NA	See ^[d] /10 ^[e] /3 ^[f,g]	1000 / Negative ^[h]
6	Bromine (Br) 溴	200	NA	200	NA	NA
7	Polybromobiphenyls (PBBs) 多溴联苯: - Bromobiphenyl (MonoBB) 一溴联苯 - Dibromobiphenyl (DiBB) 二溴联苯 - Tribromobiphenyl (TriBB) 三溴联苯 - Tetrabromobiphenyl (TetraBB) 四溴联苯 - Pentabromobiphenyl (PentaBB) 五溴联苯 - Hexabromobiphenyl (HexaBB) 六溴联苯 - Heptabromobiphenyl (HeptaBB) 七溴联苯 - Octabromobiphenyl (OctaBB) 八溴联苯 - Nonabromobiphenyl (NonaBB) 九溴联苯 - Decabromobiphenyl (DecaBB) 十溴联苯	NA	NA	NA	Each 50 ^[i]	Sum 1000
8	Polybromodiphenyl ethers (PBDEs) 多溴联苯醚: - Bromodiphenyl ether (MonoBDE) 一溴联苯醚 - Dibromodiphenyl ether (DiBDE) 二溴联苯醚 - Tribromodiphenyl ether (TriBDE) 三溴联苯醚 - Tetrabromodiphenyl ether (TetraBDE) 四溴联苯醚 - Pentabromodiphenyl ether (PentaBDE) 五溴联苯醚 - Hexabromodiphenyl ether (HexaBDE) 六溴联苯醚 - Heptabromodiphenyl ether (HeptaBDE) 七溴联苯醚 - Octabromodiphenyl ether (OctaBDE) 八溴联苯醚 - Nonabromodiphenyl ether (NonaBDE) 九溴联苯醚 - Decabromodiphenyl ether (DecaBDE) 十溴联苯醚	NA	NA	NA	Each 50 ^[i]	Sum 1000
9	- Dibutyl phthalate (DBP) 邻苯二甲酸二丁酯 - Butyl benzyl phthalate (BBP) 邻苯二甲酸丁苄酯 - Di-2-ethylhexyl phthalate (DEHP) 邻苯二甲酸二(2-乙基己基)酯 - Diisobutyl phthalate (DIBP) 邻苯二甲酸二异丁酯	NA	NA	NA	Each 50 ^[j]	Each 1000



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NA = Not applicable 不适用 IEC = International Electrotechnical Commission 国际电工委员会

- [a] Test method with reference to International Standard IEC 62321-3-1: 2013.
测试方法参照国际标准 IEC 62321-3-1: 2013
- [b] Test method with reference to International Standard IEC 62321-5: 2013.
测试方法参照国际标准 IEC 62321-5: 2013
- [c] Test method with reference to International Standard IEC 62321-4:2013+A1:2017.
测试方法参照国际标准 IEC 62321-4:2013+A1:2017.
- [d] Metal - Test method with reference to International Standard IEC 62321-7-1: 2015.
金属-测试方法参照国际标准 IEC 62321-7-1: 2015
- [e] Polymers and Electronics - Test method with reference to European Standard EN 62321-7-2: 2017.
聚合物和电子元器件-测试方法参照 EN 62321-7-2: 2017.
- [f] Leather - Test method International Standard ISO 17075-1:2017.
皮革-测试方法参考国际标准 ISO 17075-1:2017.
- [g] Other Than Metal, Leather, Polymers and Electronics - Test method with reference to International Standard ISO 17075-1:2017.
金属, 皮革, 聚合物和电子元器件以外的材料-测试方法参考国际标准 ISO 17075-1:2017.
- [h] Result(s) of Cr VI for metallic material(s) was (were) expressed in term of positive and negative. Negative means the absence of Cr VI on the tested areas and the result(s) was (were) regarded as in compliance with European Parliament and Council Directive 2011/65/EU, Article 4(1). While, positive means the presence of Cr VI on tested areas and the result(s) was (were) regarded as in conflict with European Parliament and Council Directive 2011/65/EU, Article 4(1).
金属材料的六价铬结果以阴性和阳性表示。阴性表示六价铬未被检出, 符合 2011/65/EU 指令中条款 4(1) 的要求。而阳性则表示六价铬不符合 2011/65/EU 指令条款 4(1)的要求。
- [i] Test method with reference to International Standard IEC 62321-6: 2015.
测试方法参照国际标准 IEC 62321-6: 2015.
- [j] Test method with reference to International Standard IEC 62321-8: 2017.
测试方法参照国际标准 IEC 62321-8: 2017.

Testing Approach [Compliance Test for European Parliament and Council Directive 2011/65/EU] :
测试方法 [欧盟委员会指令 2011/65/EU 合规测试] :

The testing approach was with reference to the following document(s).
测试方法参考下列文件。

- 1 International Standards IEC 62321-1: 2013 and IEC 62321-2: 2013
国际标准 IEC 62321-1: 2013 和 IEC 62321-2: 2013
- 2 "RoHS Enforcement Guidance Document Version 1" by EU RoHS Enforcement Authorities Informal Network. (May 2006)
欧盟 RoHS 执行委员会非正式网络发布的"RoHS 执行指引文件 版本 1" (2006 年 5 月)
- 3 "RoHS Regulations - Government Guidance Notes" by United Kingdom Department for Business Innovation & Skills. (February 2011)
英国贸易创新与技术局发布的"RoHS 法规 - 政府指引说明" (2011 年 2 月)
- 4 "Final Report to RoHS substances (Hg, Pb, Cr(VI), Cd, PBB and PBDE) in electrical and electronic equipment in Belgium" by Belgium Federal Public Service Health, Food Chain Safety and Environment. (November 2005)
比利时健康, 食品链安全和环境联邦公共服务机构发布的"比利时电子电器设备中 RoHS 受限物质 (汞, 铅, 六价铬, 镉, 多溴联苯和多溴联苯醚) 的最终报告" (2005 年 11 月)

*** End of Report 报告结束***