



Enjoy Life

# Test Report

No. A200313039001

Date: Apr 30, 2020

Page 1 of 19

SHENZHEN INTERTHINGS TECHNOLOGY CO.,LTD  
ROOM 305,T3 BUILDING, SILICON VALLEY COMPOUND, LONGHUA DISTRICT, SHENZHEN, CHINA.

Sample Description/Name:	WIRELESS THERMAL PRINTER	Brand:	OKAA
Color:	/	Supplier:	/
Order No.:	/	Exported to:	/
Style No.:	PAPERGO	Product End Use:	/
Content:	/	Contact Information:	
Age:	/	Report Date:	Apr 29, 2020
Sample Receive Date:	Mar 13, 2020		
Test Period:	From Mar 13, 2020 to Apr 29, 2020		

### SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION	REMARK
Heavy Metals and Flame Retardants Content - European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with Amendments up to EU No. 2015/863 Annex II	PASS	-
Phthalates (DBP, BBP, DEHP, DIBP) Content- European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS) with Amendments up to EU No. 2015/863 Annex II	PASS	-

Signed for and on behalf of  
Anrray Test Co., Ltd.

Tony Tang Manager, Chemical Lab



[www.anrraytest.com](http://www.anrraytest.com)

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.anrraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Anrray Test Co.,Ltd





Enjoy Life

# Test Report

No. A200313039001

Date: Apr 30, 2020

Page 2 of 19

## Test Item Description and Photo List

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
001		White plastic	Case,printer	-
002		Grey plastic	Frame,printer	-
003		Silver coated translucent soft plastic	Button,printer	-
004		Silvery metal	Screw(big),printer	-
005		Silvery metal	Screw(small),printer	-
006		Silvery metal	Spring,screw(small)	-
007		Black coated silvery metal	Screw,printer	-
008		Silvery metal	Teeth,printer	-
009		Silvery metal	Shaft,printer	-
010		Black plastic	Blade,printer	-
011		Black glue	Glue,printer	-
012		Black body	Resistor,printer	-
013		Green plastic with coppery metal	PCB,printer	-
014		Silvery metal	Gasket,PCB	-

[www.annraytest.com](http://www.annraytest.com)

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, Or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd





Enjoy Life

Test Report

No. A200313039001

Date: Apr 30, 2020

Page 3 of 19

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
015		White plastic	Gear,roller,printer	-
016		Black plastic	Washer,roller,printer	-
017		Black soft plastic	Roller,printer	-
018		Black printed silver plastic with adhesive	Sticker,printed	-
019		Bronze metal	Rotor,motor	-
020		Silvery metal	Shaft,motor	-
021		Brass metal	Nut(big),motor	-
022		Yellow plastic	Washer,motor	-
023		Silvery metal	Gasket(thick),motor	-
024		Silvery metal	Case,motor	-
025		Grey coated silvery metal	Layer,motor	-
026		Coppery metal	Coil,motor	-
027		Beige plastic	Holder,coil,motor	-
028		Black magnet	Magnet,motor	-
029		Silvery metal	Gasket(thin),motor	-
030		Brass metal	Nut(small),motor	-

www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd





Enjoy Life

Test Report

No. A200313039001

Date: Apr 30, 2020

Page 4 of 19

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
031		Silvery metal	Tube,shaft,motor	-
032		Grey coated silvery metal	Holder,motor	-
033		Silvery metal	Spring,holder,motor	-
034		Black fabric with adhesive	Sticker,PCB	-
035		Black printed white plastic with adhesive	Sticker,PCB	-
036		Translucent brown plastic	Washer,PCB	-
037		Brown plastic with copper metal	PCB,printer	-
038		Black body	IC,PCB	-
039		Beige plastic	Washer,PCB	-
040		Translucent blue plastic	Washer,PCB	-
041		Blue printed white plastic with silvery metal	PCB,printer	-
042		Black foam with adhesive	Washer,PCB	-
043		Transparent body	DS4,PCB	-
044		Beige plastic	Button,S1,PCB	-

www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd





Enjoy Life

### Test Report

No. A200313039001

Date: Apr 30, 2020

Page 5 of 19

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
045		Silvery metal	Cap,S1,PCB	-
046		Silvery/golden metal	Gasket,S1,PCB	-
047		Beige plastic	Base,S1,PCB	-
048		Silvery metal	Contact plate,S1,PCB	-
049		Black plastic	Stopper,P3,PCB	-
050		Beige plastic	P3,PCB	-
051		Silvery metal	Holder,P3,PCB	-
052		Silvery metal	Pin,P3,PCB	-
053			Brown body	Capacitor(big),PCB(small)
054	Brown body		Capacitor(small),PCB(small)	-
055	Black body		Capacitor,PCB(small)	-
056	White body		Capacitor,PCB(small)	-
057	Black body		IC,PCB(small)	-
058	Light golden metal		Crystal,PCB(small)	-
059	Green printed translucent plastic with coppery metal		PCB(small),printer	-
060	White body		Capacitor,PCB(big)	-
061	Brown body		Capacitor,PCB(big)	-

www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd





Enjoy Life

### Test Report

No. A200313039001

Date: Apr 30, 2020

Page 6 of 19

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
062		White printed black body	Resistor(small),PCB(big)	-
063		Black body	IC(big),PCB(big)	-
064		Black body	Audion,PCB(big)	-
065		White printed black body	Resistor(big),PCB(big)	-
066		Black body	IC(small),PCB(big)	-
067		Black body	IC(middle),PCB(big)	-
068			Brown body	Capacitor(small),PCB
069	Brown body		Capacitor(big),PCB	-
070	Black body		Audion,PCB	-
071	Black printed silvery metal		Case,capacitor	-
072	Black soft plastic		Stopper,capacitor	-
073	Brown body		Filler,capacitor	-
074	Silvery metal		Pin,capacitor	-
075	Black plastic		Washer,capacitor	-
076	Black body		Diode,PCB	-
077	Black plastic		Socket,PCB	-



www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, Or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd







Enjoy Life

# Test Report

No. A200313039001

Date: Apr 30, 2020

Page 7 of 19

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
078		Silvery metal	Pin,socket,PCB	-
079		Black body	IC,PCB	-
080		Black body	Inductor,PCB	-
081		Coppery metal	Coil,inductor,PCB	-
082		White printed black body	Resistor,PCB	-
083		Silvery metal	Socket,PCB	-
084		Black plastic	Socket,PCB	-
085		Light golden metal	Pin,socket,PCB	-
086		White/green printed translucent plastic with coppery metal	PCB,printer	-
087			White printed black soft plastic	Wire jacket,PCB
088	Black printed red soft plastic		Wire jacket,PCB	-
089	Silvery metal		Wire,PCB	-
090		White soft plastic	Binding,cable	-
091		Silvery metal	Binding,cable	-
092		White soft plastic	Case,USB,cable	-
093		Silvery metal	USB,cable	-

[www.annraytest.com](http://www.annraytest.com)

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, Or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 **Annray Test Co.,Ltd**






Enjoy Life

### Test Report

No. A200313039001

Date: Apr 30, 2020

Page 8 of 19

Test Item(s)	Sample Photo	Item / Component Description(s)	Location(s)	Style(s)
094		White plastic	USB,cable	-
095		Silvery/golden metal	Pin,USB,cable	-
096		White soft plastic	Wire jacket(outer),cable	-
097		Black soft plastic	Wire jacket(inner),cable	-
098		Red soft plastic	Wire jacket(inner),cable	-
099		Coppery metal	Wire,cable	-
100		White soft plastic	Case,DC plug	-
101		Silvery metal	DC plug,cable	-
102		Black plastic	DC plug,cable	-
103		Silvery metal	Contact plate,DC plug	-
104	Silvery metal	Pin,DC plug	-	



[www.annraytest.com](http://www.annraytest.com)

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd





**TEST RESULT**

**European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)**

Test Method : See Appendix.

See Analytes and their corresponding Maximum Allowable Limit in Appendix

Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	Conclusion
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item(s)	-	-	-	-	-	-	-
001	ND	ND	ND	ND	ND	ND	PASS
002	ND	ND	ND	ND	ND	ND	PASS
003	ND	ND	ND	ND	ND	ND	PASS
004	ND	ND	ND	Negative*	NA	NA	PASS
005	ND	ND	ND	ND	ND	ND	PASS
006	ND	ND	ND	Negative*	ND	ND	PASS
007	ND	ND	ND	ND	NA	NA	PASS
008	ND	ND	ND	Negative*	NA	NA	PASS
009	ND	ND	ND	Negative*	NA	NA	PASS
010	ND	ND	ND	ND	ND	ND	PASS
011	ND	ND	ND	ND	ND*	ND*	PASS
012	ND	ND	ND	ND	ND	ND	PASS
013	ND	ND	ND	ND	ND*	ND*	PASS
014	ND	ND	ND	Negative*	NA	NA	PASS
015	ND	ND	ND	ND	ND	ND	PASS
016	ND	ND	ND	ND	ND	ND	PASS
017	ND	ND	ND	ND	ND	ND	PASS
018	ND	ND	ND	ND	ND	ND	PASS
019	ND	ND	ND	ND	NA	NA	PASS
020	ND	ND	ND	Negative*	NA	NA	PASS
021	ND	ND	ND	ND	NA	NA	PASS
022	ND	ND	ND	ND	ND	ND	PASS
023	ND	ND	ND	ND	NA	NA	PASS



Enjoy Life

# Test Report

No. A200313039001

Date: Apr 30, 2020

Page 10 of 19

Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	Conclusion
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item(s)	-	-	-	-	-	-	-
024	ND	ND	ND	ND	NA	NA	PASS
025	ND	ND	ND	ND	NA	NA	PASS
026	ND	ND	ND	ND	NA	NA	PASS
027	ND	ND	ND	ND	ND*	ND*	PASS
028	ND	ND	ND	ND	NA	NA	PASS
029	ND	ND	ND	ND	NA	NA	PASS
030	ND	ND	ND	ND	NA	NA	PASS
031	ND	ND	ND	ND	NA	NA	PASS
032	ND	ND	ND	ND	NA	NA	PASS
033	ND	ND	ND	Negative*	NA	NA	PASS
034	ND	ND	ND	ND	ND	ND	PASS
035	ND	ND	ND	ND	ND	ND	PASS
036	ND	ND	ND	ND	ND*	ND*	PASS
037	ND	ND	ND	ND	ND*	ND*	PASS
038	ND	ND	ND	ND	ND	ND	PASS
039	ND	ND	ND	ND	ND*	ND*	PASS
040	ND	ND	ND	ND	ND	ND	PASS
041	ND	ND	ND	ND	ND*	ND*	PASS
042	ND	ND	ND	ND	ND	ND	PASS
043	ND	ND	ND	ND	ND	ND	PASS
044	ND	ND	ND	ND	ND	ND	PASS
045	ND	ND	ND	ND	NA	NA	PASS
046	ND	ND	ND	Negative*	NA	NA	PASS
047	ND	ND	ND	ND	ND	ND	PASS
048	ND	ND	ND	ND	NA	NA	PASS
049	ND	ND	ND	ND	ND	ND	PASS
050	ND	ND	ND	ND	ND	ND	PASS
051	ND	ND	ND	ND	NA	NA	PASS
052	ND	ND	ND	ND	NA	NA	PASS
053	ND	ND	ND	ND	ND	ND	PASS
054	ND	ND	ND	ND	ND	ND	PASS

www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd





Enjoy Life

# Test Report

No. A200313039001

Date: Apr 30, 2020

Page 11 of 19

Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	Conclusion
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item(s)	-	-	-	-	-	-	-
055	ND*	ND	ND	ND	ND	ND	PASS
056	ND	ND	ND	ND	ND	ND	PASS
057	ND	ND	ND	ND	ND	ND	PASS
058	ND	ND	ND	ND	NA	NA	PASS
059	ND	ND	ND	ND	ND*	ND*	PASS
060	ND	ND	ND	ND	ND	ND	PASS
061	ND	ND	ND	ND	ND	ND	PASS
062	ND	ND	ND	ND	ND	ND	PASS
063	ND	ND	ND	ND	ND	ND	PASS
064	ND	ND	ND	ND	ND	ND	PASS
065	ND	ND	ND	ND	ND	ND	PASS
066	ND	ND	ND	ND	ND	ND	PASS
067	ND	ND	ND	ND	ND	ND	PASS
068	ND	ND	ND	ND	ND	ND	PASS
069	ND	ND	ND	ND	ND	ND	PASS
070	ND	ND	ND	ND	ND*	ND*	PASS
071	ND	ND	ND	ND	NA	NA	PASS
072	ND	ND	ND	ND	ND	ND	PASS
073	ND	ND	ND	ND	ND	ND	PASS
074	ND	ND	ND	ND	NA	NA	PASS
075	ND	ND	ND	ND	ND	ND	PASS
076	ND	ND	ND	ND	ND*	ND*	PASS
077	ND	ND	ND	ND	ND*	ND*	PASS
078	ND	ND	ND	ND	NA	NA	PASS
079	ND	ND	ND	ND	ND	ND	PASS
080	ND	ND	ND	ND	ND	ND	PASS
081	ND	ND	ND	ND	NA	NA	PASS
082	ND*	ND	ND	ND*	ND	ND	PASS
083	ND	ND	ND	ND	NA	NA	PASS
084	ND	ND	ND	ND	ND	ND	PASS
085	ND	ND	ND	ND	NA	NA	PASS

www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd





Enjoy Life

### Test Report

No. A200313039001

Date: Apr 30, 2020

Page 12 of 19

Parameter	Lead (Pb)	Cadmium (Cd)	Mercury (Hg)	Chromium VI (Cr VI)	PBBs	PBDEs	Conclusion
Unit	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	mg/kg	-
Test Item(s)	-	-	-	-	-	-	-
086	ND	ND	ND	ND	ND*	ND*	PASS
087	ND	ND	ND	ND	ND	ND	PASS
088	ND	ND	ND	ND	ND	ND	PASS
089	ND	ND	ND	ND	NA	NA	PASS
090	ND	ND	ND	ND	ND	ND	PASS
091	ND	ND	ND	ND	NA	NA	PASS
092	ND	ND	ND	ND	ND	ND	PASS
093	ND	ND	ND	ND	NA	NA	PASS
094	ND	ND	ND	ND	ND	ND	PASS
095	ND	ND	ND	ND	NA	NA	PASS
096	ND	ND	ND	ND	ND	ND	PASS
097	ND	ND	ND	ND	ND	ND	PASS
098	ND	ND	ND	ND	ND	ND	PASS
099	ND	ND	ND	ND	NA	NA	PASS
100	ND	ND	ND	ND	ND	ND	PASS
101	ND	ND	ND	Negative*	NA	NA	PASS
102	ND	ND	ND	ND	ND	ND	PASS
103	ND	ND	ND	Negative*	NA	NA	PASS
104	ND	ND	ND	ND	NA	NA	PASS



www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd





Enjoy Life

## Test Report

No. A200313039001

Date: Apr 30, 2020

Page 13 of 19

### RESULTS:

Note / Key: ND = Not detected                      NA = Not Applicable                      “>” = Greater than  
NR = Not requested                              mg/kg = milligram(s) per kilogram = ppm = part(s) per million  
% = percent                                      10000 mg/kg = 1 %

Detection Limit : See Appendix.

Remark: -The testing approach is listed in table of Appendix.  
-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).  
-\* 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.。  
-Only selected example(s) is (are) indicated on the photograph(s) in Comment.  
-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.  
The test items(019-030) was/were raw materials and provided by client dated on Mar 24, 2020.  
Tested part(s) was/were specified by client.

ANNRAY

www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945    t (86-769) 8258 9333    f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945    Annray Test Co.,Ltd





Enjoy Life

## Test Report

No. A200313039001

Date: Apr 30, 2020

Page 14 of 19

### APPENDIX:

List of Analytes and their Corresponding Test Methods, Detection Limit and Maximum Allowable Limit [for European Council Directive 2011/65/EU ] :							
No.	Name of Analytes	Detection Limit (mg/kg)				Wet Chemistry	Maximum Allowable Limit (mg/kg)
		X-ray fluorescence (XRF) <sup>[a]</sup>					
		Plastic	Metallic / glass / ceramic	Others			
1	Lead (Pb)	100	200	200	10 <sup>[b]</sup>	1000	
2	Cadmium (Cd)	50	50	50	10 <sup>[b]</sup>	100	
3	Mercury (Hg)	100	200	200	10 <sup>[c]</sup>	1000	
4	Chromium (Cr)	100	200	200	NA	NA	
5	Chromium VI (Cr VI)	NA	NA	NA	3 <sup>[g]</sup> / 10 <sup>[d]</sup> See <sup>[e, i]</sup>	1000 / Negative <sup>[i]</sup>	
6	Bromine (Br)	200	NA	200	NA	NA	
7	Polybromobiphenyls (PBBs) - Bromobiphenyl (MonoBB) - Dibromobiphenyl (DiBB) - Tribromobiphenyl (TriBB) - Tetrabromobiphenyl (TetraBB) - Pentabromobiphenyl (PentaBB) - Hexabromobiphenyl (HexaBB) - Heptabromobiphenyl (HeptaBB) - Octabromobiphenyl (OctaBB) - Nonabromobiphenyl (NonaBB) - Decabromobiphenyl (DecaBB)	NA	NA	NA	Each 50 <sup>[f]</sup>	Sum 1000	
8	Polybromodiphenyl ethers (PBDEs) - Bromodiphenyl ether (MonoBDE) - Dibromodiphenyl ether (DiBDE) - Tribromodiphenyl ether (TriBDE) - Tetrabromodiphenyl ether (TetraBDE) - Pentabromodiphenyl ether (PentaBDE) - Hexabromodiphenyl ether (HexaBDE) - Heptabromodiphenyl ether (HeptaBDE) - Octabromodiphenyl ether (OctaBDE) - Nonabromodiphenyl ether (NonaBDE) - Decabromodiphenyl ether (DecaBDE)	NA	NA	NA	Each 50 <sup>[f]</sup>	Sum 1000	

XRF screening limits for different materials:					
Materials	Concentration (mg/kg)				
	Cd	Cr	Pb	Hg	Br
Metal	P≤70<X<130≤F	P≤700<X	P≤700<X<1300≤F	P≤700<X<1300≤F	N.A.
Polymers	P≤70<X<130≤F	P≤700<X	P≤700<X<1300≤F	P≤700<X<1300≤F	P≤300<X
Composite material	P≤50<X<150≤F	P≤500<X	P≤500<X<1500≤F	P≤500<X<1500≤F	P≤250<X

P=Pass; F=Fail; X=Inconclusive result



www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd







Enjoy Life

# Test Report

No. A200313039001

Date: Apr 30, 2020

Page 15 of 19

<b>List of Analytes and their Corresponding Test Methods, Detection Limit and Maximum Allowable Limit [for European Council Directive 2011/65/EU ] :</b>	
	NA = Not applicable
[a]	Test method with reference to IEC 62321-3-1:2013.
[b]	Test method with reference to IEC 62321-5:2013.
[c]	Test method with reference to IEC 62321-4:2013.
[d]	Polymers and Electronic-Test method with reference to European standard IEC 62321-7-2:2017.
[e]	Metal-Test method with reference to European standard IEC 62321-7-1:2015. <sup>[h]</sup>
[f]	Test method with reference to European standard IEC 62321-6:2015.
[g]	Leather-Test method International standard ISO 17075-1:2017.
[h]	The principle of this method was evaluated and supported by two studies organized by IEC TC 111 WG3. These studies were focused on detecting the presence of Cr VI in the corrosion protection coatings on metallic samples. 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).
[i]	

<b>Testing Approach [ Compliance Test for European Council Directive 2011/65/EU ] :</b>	
The testing approach was with reference to the following document(s).	
1	International standards IEC 62321-1:2013 and IEC 62321-2:2013
2	“RoHS Enforcement Guidance Document Version 1” by EU RoHS Enforcement Authorities Informal Network. (May 2006)
3	“RoHS Regulations - Government Guidance Notes” by United Kingdom Department for Business Innovation & Skills. (February 2011)
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)



www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd





Enjoy Life

# Test Report

No. A200313039001

Date: Apr 30, 2020

Page 16 of 19

## RESULTS:

### Phthalates (DBP, BBP, DEHP, DIBP) Content- European Council Directive 2011/65/EU on the Restriction of the Use of Certain Hazardous Substances in Electrical and Electronic Equipment (RoHS)with Amendments up to EU No. 2015/863 Annex II

Test Method : IEC 62321-8:2017, analyzed by Gas Chromatograph Mass Spectrometer.

Analyte	CAS No.	Result(%w/w)		Requirement (%w/w)
		Test Item(s)		
		001+002+010	011+015	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	0.1
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.1
Benzylbutyl phthalate (BBP)	85-68-7	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.1
<b>Conclusion</b>	-	PASS	PASS	-

Analyte	CAS No.	Result(%w/w)		Requirement (%w/w)
		Test Item(s)		
		016+022+027	035+036+039	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	0.1
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.1
Benzylbutyl phthalate (BBP)	85-68-7	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.1
<b>Conclusion</b>	-	PASS	PASS	-

Analyte	CAS No.	Result(%w/w)		Requirement (%w/w)
		Test Item(s)		
		040+042+044	047+049+050	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	0.1
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.1
Benzylbutyl phthalate (BBP)	85-68-7	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.1
<b>Conclusion</b>	-	PASS	PASS	-



www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd





Enjoy Life

# Test Report

No. A200313039001

Date: Apr 30, 2020

Page 17 of 19

## RESULTS:

Analyte	CAS No.	Result(%w/w)		Requirement (%w/w)
		Test Item(s)		
		075+077+084	094+102+018	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	0.1
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.1
Benzylbutyl phthalate (BBP)	85-68-7	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.1
<b>Conclusion</b>	-	PASS	PASS	-

Analyte	CAS No.	Result(%w/w)		Requirement (%w/w)
		Test Item(s)		
		003+017+072	087+088+090	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	0.1
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.1
Benzylbutyl phthalate (BBP)	85-68-7	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.1
<b>Conclusion</b>	-	PASS	PASS	-

Analyte	CAS No.	Result(%w/w)		Requirement (%w/w)
		Test Item(s)		
		092+096+097	098+100	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	0.1
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.1
Benzylbutyl phthalate (BBP)	85-68-7	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.1
<b>Conclusion</b>	-	PASS	PASS	-

# ANNRAY

www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd





Enjoy Life

# Test Report

No. A200313039001

Date: Apr 30, 2020

Page 18 of 19

## RESULTS:

Analyte	CAS No.	Result(%w/w)		Requirement (%w/w)
		Test Item(s)		
		013+037+041	059+086	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	0.1
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.1
Benzylbutyl phthalate (BBP)	85-68-7	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.1
<b>Conclusion</b>	-	PASS	PASS	-

Analyte	CAS No.	Result(%w/w)		Requirement (%w/w)
		Test Item(s)		
		038+043+053+054+055	056+057+060+061+062	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	0.1
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.1
Benzylbutyl phthalate (BBP)	85-68-7	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.1
<b>Conclusion</b>	-	PASS	PASS	-

Analyte	CAS No.	Result(%w/w)		Requirement (%w/w)
		Test Item(s)		
		063+064+065+066+067	068+069+070+073+076	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	0.1
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.1
Benzylbutyl phthalate (BBP)	85-68-7	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.1
<b>Conclusion</b>	-	PASS	PASS	-

# ANNRAY

www.annraytest.com

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945 t (86-769) 8258 9333 f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945 Annray Test Co.,Ltd





Enjoy Life

# Test Report

No. A200313039001

Date: Apr 30, 2020

Page 19 of 19

## RESULTS:

Analyte	CAS No.	Result(%w/w)		Requirement (%w/w)
		Test Item(s)		
		079+080+082	034	
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	ND	ND	0.1
Dibutyl phthalate (DBP)	84-74-2	ND	ND	0.1
Benzylbutyl phthalate (BBP)	85-68-7	ND	ND	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	ND	0.1
<b>Conclusion</b>	-	PASS	PASS	-

Note / Key : ND = Not detected(<Detection Limit)      Detection Limit : 0.005%      10 000 mg/kg = 1 %  
 mg/kg = milligram per kilogram = ppm = part per million      % = percent

Remark: Composite testing(s) was/were specified by client.  
 Tested part(s) was/were specified by client.  
 The test items(022,027) was/were raw materials and provided by client dated on Mar 24, 2020.

## SAMPLE PHOTO:



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

# ANNRAY

[www.annraytest.com](http://www.annraytest.com)

This report is made base on the Conditions of Testing as posted at the date of issuance of this report at <http://www.annraytest.com>. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission. This report sets forth our findings solely with respect to the test samples identified herein. The results set forth in this report are not indicative or representative of the quality or characteristics of the lot from which a test sample was taken or any similar or identical product unless specifically and expressly noted. Our report includes all of the tests requested by you and the results there of based upon the information that you provided to us.

High Technology Industrial Zone, Houjie, Dongguan, Guangdong, China 523945      t (86-769) 8258 9333      f (86-769) 8583 6617

中国·东莞·厚街湖景大道高新科技园邮编：523945      Annray Test Co.,Ltd

