



**Technical Report No. 64.165.19.00278.01B**

**Rev. 00**

**Dated 2019-03-07**

**Client:** Guang Dong Xinbao Electrical Appliances Holdings Co., Ltd.  
Zhenghe South Road, Leliu Town, Shunde District, Foshan City,  
Guangdong, China.

**Test Subject:** The submitted sample(s) was/were identified and described by client as:  
Blender  
Model No.: BL9703A-GS, BL9703-GS

**Test Requested and Conclusion:** Test according to RoHS (Restriction of Hazardous Substances) directive  
2011/65/EU and its amendment (EU) 2015/863 on submitted samples

(1)	Heavy Metals (Total Cadmium, Total Lead, Total Mercury, Hexavalent Chromium) Content Test	Pass
(2)	Brominated Flame Retardants (PBBs & PBDEs) Content Test	Pass
(3)	Phthalates (DEHP, BBP, DBP and DIBP) Content Test	Pass

**Test Result:** Refer to the following page(s)



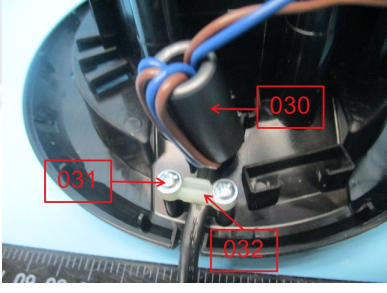

**Remark:** (1) The results relate only to the items tested.  
(2) The photo and test data of sample 001-104 were quoted from sample 001-104 in technical report No.: 64.165.18.04843.01b Rev01 issued on 2018-09-30.

This technical report may only be quoted in full. Any use for advertising purposes must be granted in writing. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.

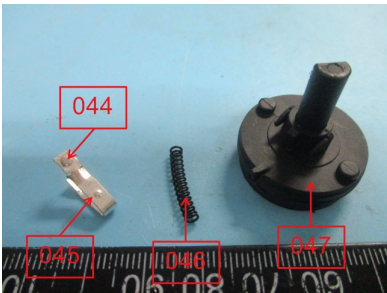
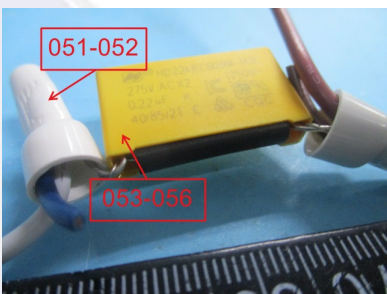
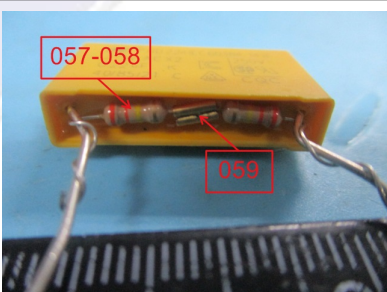

## 1. Description of the test subject

Sample No.	Description	Photograph
001	Transparent plastic cap	
002	Black plastic cover	
003	Transparent glass pot	
004	White soft plastic seal ring	
005	Lt blue plated metal screw	
006	Silvery metal spring	
007	Black plastic holder	
008	Silvery satin metal blade	
009	Silvery satin metal axle	
010	Black soft plastic washer	
011	Silvery metal ring	
012	Brown plastic ring	

Sample No.	Description	Photograph
013	Black plastic part	
014	Golden metal terminal	
015	Black plastic holder	
016	Silvery metal nut	
017	Black plastic cap	
018	Silvery metal cover	
019	Golden metal tube	

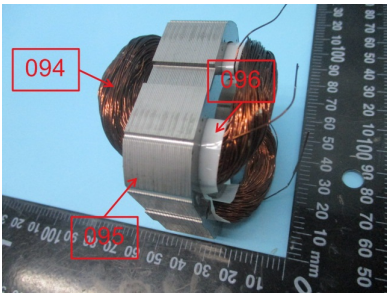
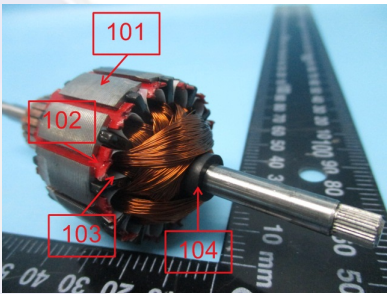
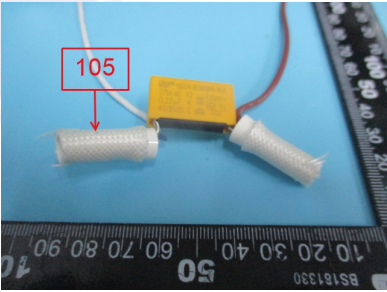
Sample No.	Description	Photograph
020	Silvery satin metal shell	
021	Silvery plating on button	
022	Black plastic button	
023	Black soft plastic shell	
024	Black plastic holder	
025	Silvery metal pin	
026	Black plastic cable	
027	Blue soft plastic wire jacket	
028	Brown soft plastic wire jacket	
029	Copper-colored metal wire	
030	Black magnet tube	
031	Lt blue plated metal screw	
032	Beige plastic sheet	
033	Silvery metal spring with black coating	
034	Brown plastic part	


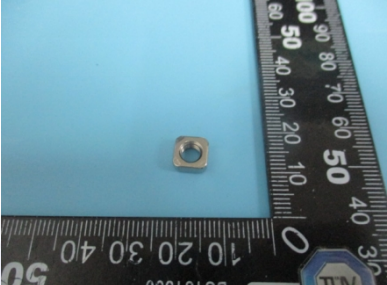
Sample No.	Description	Photograph
035	Black soft plastic feet	
036	Brown soft plastic wire jacket	
037	Blue soft plastic wire jacket	
038	White soft plastic wire jacket	
039	Silvery metal wire inner	
040	Black plastic heating shrinkable tube	
041	Black soft plastic cover	
042	Beige plastic fan	
043	Silvery metal sheet	

Sample No.	Description	Photograph
044	Silvery metal contact	
045	Silvery metal sheet	
046	Silvery metal spring with black coating	
047	Black plastic part	
048	Silvery metal terminal	
049	Silvery metal solder	
050	Black plastic holder	
051	White plastic cap	
052	Silvery metal sheet inner	
053	Yellow plastic shell	
054	Yellow plastic filling inner	
055	Silvery plastic foil inner	
056	Silvery metal pin	
057	Silvery metal pin	
058	Beige body with multicolor printing	
059	Golden metal sheet	
060	Black plastic shell with silvery printing	
061	Silvery metal pin	
062	Silvery metal solder inner	

Sample No.	Description	Photograph
063	Brown plastic sheet	
064	Copper-colored metal sheet	
065	Silvery metal cap	
066	Beige ceramic tube	
067	Silvery metal filament inner	
068	Silvery metal pin	
069	Black soft plastic wire jacket	
070	Blue body	
071	Silvery metal pin	
072	Silvery metal solder	
073	White fiber tube	
074	Beige glue	
075	Copper-colored metal wire	
076	Black magnet holder	
077	Silvery metal pin	
078	Black graphite sheet	
079	Silvery metal spring	
080	Copper-colored metal wire	
081	Golden metal sheet	

Sample No.	Description	Photograph
082	Black plastic part	
083	Golden metal rivet	
084	White plastic tie	
085	Silvery metal screw	
086	Silvery metal frame	
087	Silvery satin metal cover	
088	Black metal tube	
089	Beige fabric ring	
090	Copper-colored metal ring	
091	Silvery metal ring	
092	White plastic ring	
093	Red paper ring	

Sample No.	Description	Photograph
094	Copper-colored metal wire	
095	Silvery metal sheet	
096	White plastic sheet	
097	Copper-colored metal wire	
098	Copper-colored metal sheet	
099	Black/green plastic holder	
100	Silvery metal axle	
101	Silvery metal sheet	
102	Red paper sheet	
103	White plastic sheet	
104	Black plastic frame	
105	White soft plastic tube with white glass fiber tube	
106	Silvery adhesive label with black printing	

Sample No.	Description	Photograph
107	Black plastic part	
108	Silvery metal nut	

## 2. Order

### 2.1 Date of Purchase Order

2019-01-16

### 2.2 Receipt of Test Sample, Location

2019-01-16, Guangzhou

### 2.3 Date of Testing

2019-01-16 to 2019-03-05

### 2.4 Location of Testing

The chemical testing was performed in TÜV SÜD Certification and Testing (China) Co., Ltd. Shenzhen Branch Chemical lab and the XRF testing was performed at TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch. The test results were reviewed at TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch.

### 3. Test Results

#### 3.1 Quantitative screening of Lead, Cadmium, Mercury, Chromium, Bromine and Phthalates

Test method: With reference to EN 62321-3-1:2014 and EN 62321-8:2017.

For Heavy Metals and Flame Retardants, analyzed by Energy Dispersive X-ray Fluorescence Spectrometers (XRF);

For phthalates, analyzed by GasChromatography and Mass Spectrometry (GC-MS).

Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
001	BL	BL	BL	BL	BL	BL	BL	BL	BL
002	BL	BL	BL	BL	BL	BL	BL	BL	BL
003	BL	BL	BL	BL	BL	BL	BL	BL	BL
004	BL	BL	BL	BL	BL	BL	BL	BL	BL
005	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
006	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
007	BL	BL	BL	BL	BL	BL	BL	BL	BL
008	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
009	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
010	BL	BL	BL	BL	BL	BL	BL	BL	BL
011	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
012	BL	BL	BL	BL	BL	BL	BL	BL	BL
013	BL	BL	BL	BL	Inc. ^	BL	BL	BL	BL
014	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
015	BL	BL	BL	BL	BL	BL	BL	BL	BL
016	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
017	BL	BL	BL	BL	BL	BL	BL	BL	BL
018	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
019	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
020	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
021	BL	BL	BL	Inc. ^	BL	BL	BL	BL	BL
022	BL	BL	BL	BL	BL	BL	BL	BL	BL
023	BL	BL	BL	BL	BL	BL	BL	BL	BL
024	BL	BL	BL	BL	Inc. ^	BL	BL	BL	BL



Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
025	BL	OL <sup>^</sup>	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
026	BL	BL	BL	BL	BL	BL	BL	BL	BL
027	BL	BL	BL	BL	BL	BL	BL	BL	BL
028	BL	BL	BL	BL	BL	BL	BL	BL	BL
029	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
030	BL	BL	BL	Inc. <sup>^</sup>	N.A.	N.A.	N.A.	N.A.	N.A.
031	BL	BL	BL	Inc. <sup>^</sup>	N.A.	N.A.	N.A.	N.A.	N.A.
032	BL	BL	BL	BL	BL	BL	BL	BL	BL
033	BL	BL	BL	Inc. <sup>^</sup>	N.A.	N.A.	N.A.	N.A.	N.A.
034	BL	BL	BL	BL	Inc. <sup>^</sup>	BL	BL	BL	BL
035	BL	BL	BL	BL	BL	BL	BL	BL	BL
036	BL	BL	BL	BL	BL	Inc. <sup>^</sup>	Inc. <sup>^</sup>	Inc. <sup>^</sup>	Inc. <sup>^</sup>
037	BL	BL	BL	BL	BL	Inc. <sup>^</sup>	Inc. <sup>^</sup>	Inc. <sup>^</sup>	Inc. <sup>^</sup>
038	BL	BL	BL	BL	BL	BL	BL	BL	BL
039	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
040	BL	BL	BL	BL	BL	BL	BL	BL	BL
041	BL	BL	BL	BL	BL	BL	BL	BL	BL
042	BL	BL	BL	BL	BL	BL	BL	BL	BL
043	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
044	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
045	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
046	BL	BL	BL	Inc. <sup>^</sup>	N.A.	N.A.	N.A.	N.A.	N.A.
047	BL	BL	BL	BL	Inc. <sup>^</sup>	BL	BL	BL	BL
048	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
049	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
050	BL	BL	BL	BL	Inc. <sup>^</sup>	BL	BL	BL	BL
051	BL	BL	BL	BL	Inc. <sup>^</sup>	BL	BL	BL	BL
052	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
053	BL	BL	BL	BL	Inc. <sup>^</sup>	BL	BL	BL	BL



Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
054	BL	BL	BL	BL	Inc. ^	BL	BL	BL	BL
055	BL	BL	BL	BL	BL	BL	BL	BL	BL
056	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
057	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
058	BL	BL	BL	BL	BL	BL	BL	BL	BL
059	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
060	BL	BL	BL	BL	BL	BL	BL	BL	BL
061	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
062	OL(ω)	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
063	BL	BL	BL	BL	Inc. ^	BL	BL	BL	BL
064	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
065	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
066	BL	BL	BL	BL	BL	BL	BL	BL	BL
067	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
068	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
069	BL	BL	BL	BL	BL	BL	BL	BL	BL
070	BL	BL	BL	BL	BL	BL	BL	BL	BL
071	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
072	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
073	BL	BL	BL	BL	BL	BL	BL	BL	BL
074	BL	BL	BL	BL	BL	BL	BL	BL	BL
075	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
076	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
077	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
078	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
079	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
080	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
081	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
082	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.



Sample No.	Heavy Metals and Flame Retardants					Phthalates			
	Cd	Pb	Hg	Cr	Br	DEHP	BBP	DBP	DIBP
083	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
084	BL	BL	BL	BL	BL	BL	BL	BL	BL
085	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
086	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
087	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
088	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
089	BL	BL	BL	BL	BL	BL	BL	BL	BL
090	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
091	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.
092	BL	BL	BL	BL	BL	BL	BL	BL	BL
093	BL	BL	BL	BL	BL	BL	BL	BL	BL
094	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
095	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
096	BL	BL	BL	BL	BL	BL	BL	BL	BL
097	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
098	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
099	BL	BL	BL	BL	BL	BL	BL	BL	BL
100	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
101	BL	BL	BL	BL	N.A.	N.A.	N.A.	N.A.	N.A.
102	BL	BL	BL	BL	BL	BL	BL	BL	BL
103	BL	BL	BL	BL	BL	BL	BL	BL	BL
104	BL	BL	BL	BL	Inc. ^	BL	BL	BL	BL
105	BL	BL	BL	BL	BL	BL	BL	BL	BL
106	BL	BL	BL	BL	BL	BL	BL	BL	BL
107	BL	BL	BL	BL	BL	BL	BL	BL	BL
108	BL	BL	BL	Inc. ^	N.A.	N.A.	N.A.	N.A.	N.A.

Note:

- “BL” denotes below limit
- “OL” denotes over limit
- “Inc.” denotes inconclusive that the result is intermediate between “OL” and “BL”
- “N.A.” denotes not applicable
- “^” denotes further confirmation test was conducted, results are listed in 3.2 and 3.3.
- ω means as the information (the submitted sample is electrical contacts) provided by the client, when Cadmium and its compounds in electrical contacts is exempted from RoHS Directive 2011/65/EU Annex III.
  
- XRF screening limits in mg/kg for regulated elements in various matrices

Materials	Concentration (mg/kg)				
	Cd	Cr	Pb	Hg	Br
<b>Metal</b>	$BL \leq (70 - 3\sigma) < X < (130 + 3\sigma) \leq OL$	$BL \leq (700 - 3\sigma) < X$	$BL \leq (700 - 3\sigma) < X < (1300 + 3\sigma) \leq OL$	$BL \leq (700 - 3\sigma) < X < (1300 + 3\sigma) \leq OL$	N.A.
<b>Polymers</b>	$BL \leq (70 - 3\sigma) < X < (130 + 3\sigma) \leq OL$	$BL \leq (700 - 3\sigma) < X$	$BL \leq (700 - 3\sigma) < X < (1300 + 3\sigma) \leq OL$	$BL \leq (700 - 3\sigma) < X < (1300 + 3\sigma) \leq OL$	$BL \leq (300 - 3\sigma) < X$
<b>Composite material</b>	$BL \leq (50 - 3\sigma) < X < (150 + 3\sigma) \leq OL$	$BL \leq (500 - 3\sigma) < X$	$BL \leq (500 - 3\sigma) < X < (1500 + 3\sigma) \leq OL$	$BL \leq (500 - 3\sigma) < X < (1500 + 3\sigma) \leq OL$	$BL \leq (250 - 3\sigma) < X$

- Screening limits in mg/kg for regulated phthalates in various matrices

PHthalates	BL	INCONCLUSIVE
DEHP	$X < 600$	$X \geq 600$
BBP	$X < 600$	$X \geq 600$
DBP	$X < 600$	$X \geq 600$
DIBP	$X < 600$	$X \geq 600$

### 3.2 Heavy Metals (Total Cadmium, Total Lead, Total Mercury, Hexavalent Chromium) Content Test

Test method:

- With reference to EN 62321-4:2014, Determination of Mercury by ICP-OES
- With reference to EN 62321-5:2014, Determination of Cadmium, lead by ICP-OES
- With reference to EN 62321-7-1:2015 and EN 62321-7-2:2017, Determination of hexavalent chromium (Cr(VI)) by the colorimetric method and UV-Vis

Element	Total Cadmium [mg/kg]	Total Lead [mg/kg]	Total Mercury [mg/kg]	Hexavalent Chromium* [ug/cm <sup>2</sup> ]	Hexavalent Chromium [mg/kg]
<b>Reporting Limit</b>	<b>2</b>	<b>10</b>	<b>10</b>	<b>0.1</b>	<b>10</b>
<b>RoHS Limit</b>	<b>100</b>	<b>1000</b>	<b>1000</b>	<b>#</b>	<b>1000</b>
Sample 005	/	/	/	Negative	/
Sample 006	/	/	/	Negative	/
Sample 008	/	/	/	Negative	/
Sample 009	/	/	/	Negative	/
Sample 016	/	/	/	Negative	/
Sample 018	/	/	/	Negative	/
Sample 020	/	/	/	Negative	/
Sample 021	/	/	/	/	N.D.
Sample 025	/	<b>22400 Φ</b>	/	/	/
Sample 030	/	/	/	/	N.D.
Sample 031	/	/	/	Negative	/
Sample 033	/	/	/	Negative	/
Sample 046	/	/	/	Negative	/
Sample 076	/	/	/	/	N.D.
Sample 079	/	/	/	Negative	/
Sample 085	/	/	/	Negative	/
Sample 087	/	/	/	Negative	/
Sample 090	/	/	/	Negative	/
Sample 091	/	/	/	Negative	/
Sample 108	/	/	/	Negative	/



Note:

1. All Concentrations express in “mg/kg”(milligram per kilogram), mg/kg ~ ppm.
2. “ug/cm<sup>2</sup>” denotes microgram per square centimeter
3. “N.D.” = “Not Detected”
4. \* = Boiling-water-extraction:
  - a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 ug/cm<sup>2</sup>.  
The sample coating is considered to contain Cr(VI)
  - b. The sample is negative for Cr(VI) if the Cr(VI) concentration is less than 0.10 ug/cm<sup>2</sup>,  
The coating is considered a non-Cr(VI) based coating.
  - c. The result between 0.10 ug/cm<sup>2</sup> and 0.13 ug/cm<sup>2</sup> is considered to be inconclusive-  
unavoidable coating variations may influence the determination.  
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.
5. # = Positive indicates the presence of CrVI on the tested areas.  
Negative indicates the absence of CrVI on the tested areas.
6. Φ means as the information (the main source of lead could be copper alloy base) provided  
by the client, when Lead as an alloying element in copper alloy containing up to 4% Lead by  
weight is exempted from RoHS Directive 2011/65/EU Annex III.



### 3.3 Brominated Flame Retardants (PBBs & PBDEs) Content Test

Test Method: With reference to EN 62321-6:2015, extracted by toluene and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS). [Reporting Limit: 5mg/kg]

Test Item		Result [mg/kg]		RoHS Limit [mg/kg]
		Sample 013+024+034	Sample 047+050+051	
PBBs	Monobromobiphenyl	< 5	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	< 5	
	Tribromobiphenyl	< 5	< 5	
	Tetrabromobiphenyl	< 5	< 5	
	Pentabromobiphenyl	< 5	< 5	
	Hexabromobiphenyl	< 5	< 5	
	Heptabromobiphenyl	< 5	< 5	
	Octabromobiphenyl	< 5	< 5	
	Nonabromobiphenyl	< 5	< 5	
	Decabromobiphenyl	< 5	< 5	
	Sum of PBBs	< 5	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	< 5	
	Tribromodiphenyl Ether	< 5	< 5	
	Tetrabromodiphenyl Ether	< 5	< 5	
	Pentabromodiphenyl Ether	< 5	< 5	
	Hexabromodiphenyl Ether	< 5	< 5	
	Heptabromodiphenyl Ether	< 5	< 5	
	Octabromodiphenyl Ether	< 5	< 5	
	Nonabromodiphenyl Ether	< 5	< 5	
	Decabromodiphenyl Ether	< 5	< 5	
	Sum of PBDEs	< 5	< 5	

Note:

1. All Concentrations express in "mg/kg" (milligram per kilogram), mg/kg ~ ppm.
2. "<" denotes less than

Test Item		Result [mg/kg]		RoHS Limit [mg/kg]
		Sample 053+054	Sample 063+104	
PBBs	Monobromobiphenyl	< 5	< 5	Sum of PBBs < 1000
	Dibromobiphenyl	< 5	< 5	
	Tribromobiphenyl	< 5	< 5	
	Tetrabromobiphenyl	< 5	< 5	
	Pentabromobiphenyl	< 5	< 5	
	Hexabromobiphenyl	< 5	< 5	
	Heptabromobiphenyl	< 5	< 5	
	Octabromobiphenyl	< 5	< 5	
	Nonabromobiphenyl	< 5	< 5	
	Decabromobiphenyl	< 5	< 5	
	Sum of PBBs	< 5	< 5	
PBDEs	Monobromodiphenyl Ether	< 5	< 5	Sum of PBDEs < 1000
	Dibromodiphenyl Ether	< 5	< 5	
	Tribromodiphenyl Ether	< 5	< 5	
	Tetrabromodiphenyl Ether	< 5	< 5	
	Pentabromodiphenyl Ether	< 5	< 5	
	Hexabromodiphenyl Ether	< 5	< 5	
	Heptabromodiphenyl Ether	< 5	< 5	
	Octabromodiphenyl Ether	< 5	< 5	
	Nonabromodiphenyl Ether	< 5	< 5	
	Decabromodiphenyl Ether	< 5	< 5	
	Sum of PBDEs	< 5	< 5	

Note:

1. All Concentrations express in "mg/kg" (milligram per kilogram), mg/kg ~ ppm.
2. "<" denotes less than

### 3.4 Phthalates (DEHP, BBP, DBP and DIBP) Content Test

Test method: With reference to EN 62321-8:2017 , extracted by organic solvent and analyzed by Gas Chromatography and Mass Spectrometry (GC-MS).

[Reporting limit: 50mg/kg]

Test Item	Result [mg/kg]		RoHS Requirement [mg/kg]
	Sample 036	Sample 037	
Di-(2-ethyl-hexyl) Phthalate (DEHP)	85	118	< 1000
Butyl-benzyl Phthalate (BBP)	< 50	< 50	< 1000
Di-butyl Phthalate (DBP)	< 50	< 50	< 1000
Di-iso-butyl Phthalate (DIBP)	< 50	< 50	< 1000

Note:

- "mg/kg" denotes milligram per kilogram
- "<" denotes less than



**4. Remark**

Reference standard

- a. EN 62321-1:2013 Determination of certain substances in electrotechnical products - Part 1: Introduction and overview
- b. EN 62321-2:2014 Determination of certain substances in electrotechnical products - Part 2: Disassembly, disjointment and mechanical sample preparation

**5. Documentation**

APPENDIX 01: Photos of submitted products



**TÜV SÜD Certification and Testing (China) Co., Ltd. Guangzhou Branch  
TÜV SÜD Group**

*Veronica Zhang*



*Kevin Zhang*

**Engineer:** \_\_\_\_\_  
**Veronica Zhang**

**Technical Report checked:** \_\_\_\_\_  
**Kevin Zhang**

- END OF TEST REPORT -

**APPENDIX 01:**

Photos of submitted products:



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