



## SHENZHEN YARUI TESTING CO., LTD.

6 Floor Baowen Building, Baole New Village, Xixiang Yantian, Bao'An District, Shenzhen City

Tel : +86-755-27912080

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# RoHS TEST REPORT

**Product name:** POE power adapter

**Trademark:**



**Model No.:**

ZCD0241000EU,ZCC0241000EU,ZCC02400500EU,  
ZCC0181000EU,ZCC04800300EU,ZCC04800500EU,  
ZCC0480300US,ZCC0480500US,WT-GPOE-1A-48V15W,  
WT-GPOE-1B-48V15W,ZCC0240500EU,ZCC0240750EU,  
ZCC0240800EU,ZCC0360500EU,ZCD0242000EU,  
ZCD0481000EU,ZCD0241250EU,ZCD02401600EU,  
ZCD0240800EU,ZCD0480500EU,WT-GPOE-1B-24V24W,  
WT-GPOE-1A-24V15W,WT-GPOE-1B-24V15W

**Test Standards:**

IEC62321-3-1: 2013 IEC62321-4: 2013 IEC62321-5: 2013  
IEC62321-6: 2015 IEC62321-7-1: 2013 IEC62321:2008 ANNEX C

**Applicant:**

ShenZhen ZhangQing Electronic LTD.

**Address:**

No 622 HuaYuan Commercial Center, No 347 XiXiang Road,  
XiXiang Town, Bao'An District, ShenZhen City

**Manufacturer:**

ShenZhen ZhangQing Electronic LTD.

**Address:**

No 622 HuaYuan Commercial Center, No 347 XiXiang Road,  
XiXiang Town, Bao'An District, ShenZhen City

**Tested Date:**

June 01, 2017 - June 06, 2017

**Issued Date:**

June 06, 2017

**Report No.:**

YRT201706209R

**Tested By:**

Tommy Zhang / Engineer

**Approved By:**

Jack Yu /Manager

Test Requested:

Conclusion:

- |   |      |
|---|------|
| (1): As specified by client, to determine the Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium(Cr6+), Polybrominated Biphenyls(PBBs) & Polybrominated Diphenyl Ethers(PBDEs) content in the submitted sample in accordance with Regulation IEC 62321 | PASS |
| (2): As specified by client, to determine the HBCDD content in the submitted samples in accordance with Regulation EPA 3540C:1996   | PASS |
| (3): As specified by client, to determine the DEHP、DBP、BBP content in the submitted sample in accordance with Regulation EN 14372:2004  | PASS |

## Test Method:

(1) With reference to IEC 62321

Testing item	Pretreatment method	Measuring instrument	MDL
Lead(Pb)	IEC 62321-5:2013	ICP-OES	2 mg/kg
Cadmium(Cd)	IEC 62321-5:2013	ICP-OES	2 mg/kg
Mercury(Hg)	IEC 62321-4:2013	ICP-OES	2 mg/kg
Chromium(Cr VI)	IEC 62321:2013	UV-Vis	2 mg/kg
PBBs/ PBDEs	IEC 62321:2013	GC-MS	5 mg/kg

(2) With reference to EPA 3540C:1996

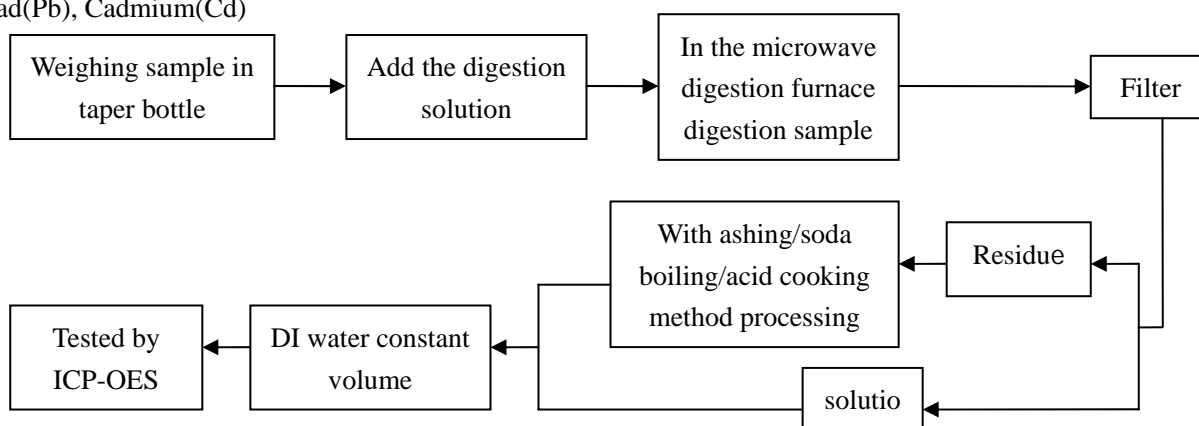
Testing item	Pretreatment method	Measuring instrument	MDL
HBCDD	EPA3540:1996	GC-MS	10 mg/kg

(3) With reference to EN 14372:2004

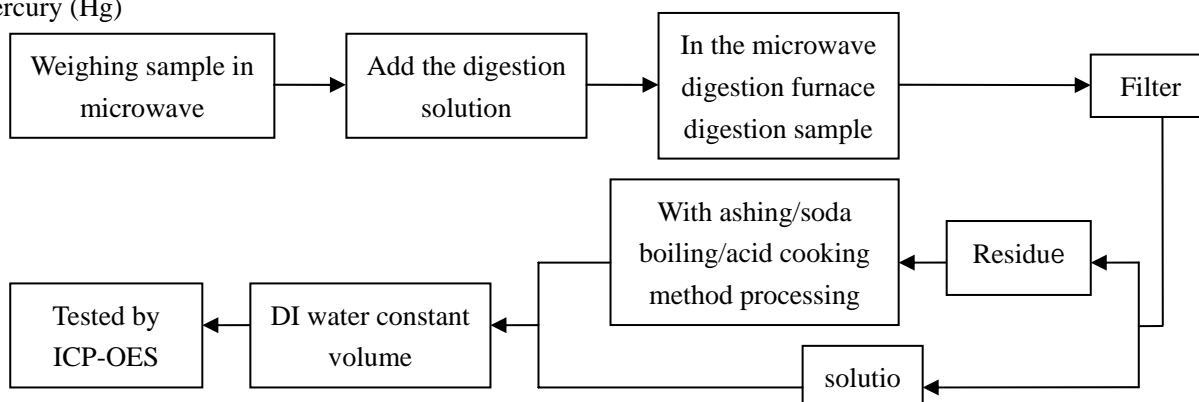
Testing item	Pretreatment method	Measuring instrument	MDL
DEHP、DBP、BBP	EN 14372:2004	GC-MS	0.003 mg/kg

## Test Flow:

1. Lead(Pb), Cadmium(Cd)

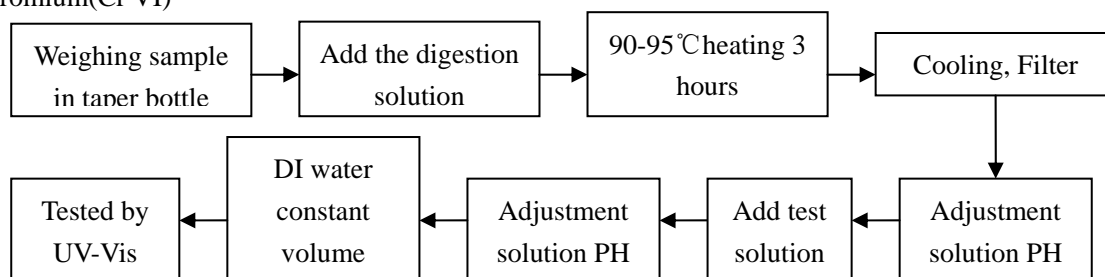


2. Mercury (Hg)

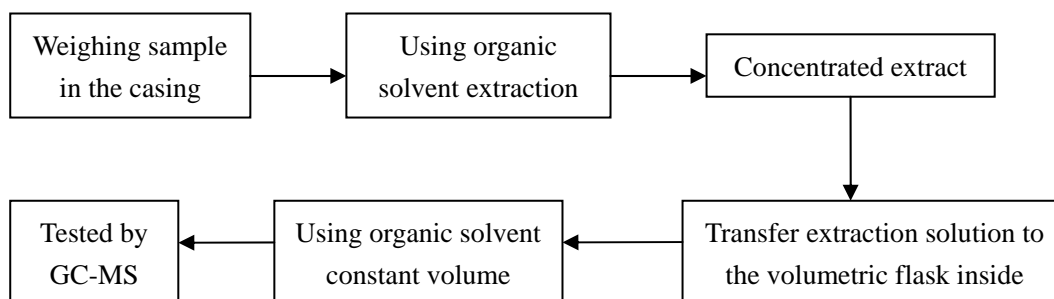


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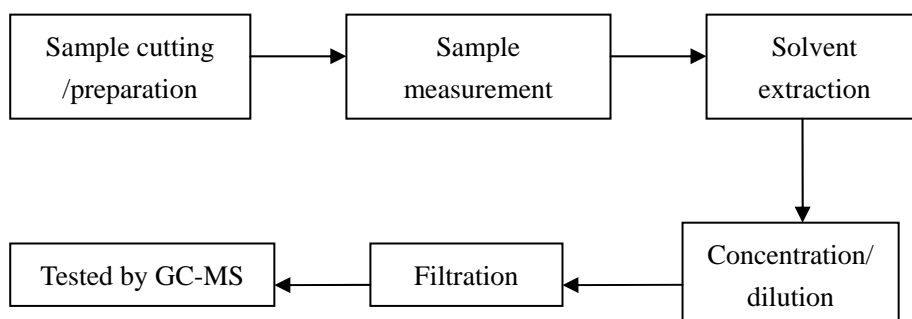
### 3. Chromium(Cr VI)



### 4. PBBs/ PBDEs



### 5. HBCDD/ DEHP/ BBP/ DBP





Test Data Summary:

SAMPLE NO.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
1	PC Shell	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		HBCDD	P	N.D.	<1000	P
		DEHP	P	N.D.	<1000	P
		DBP	P	N.D.	<1000	P
		BBP	P	N.D.	<1000	P
2	Fine Copper Cable	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	D	N.D.	<1000	P
		PBDEs	D	N.D.	<1000	P
		HBCDD	D	N.D.	<1000	P
		DEHP	D	N.D.	<1000	P
		DBP	D	N.D.	<1000	P
		BBP	D	N.D.	<1000	P
3	Crystal Head	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		HBCDD	P	N.D.	<1000	P
		DEHP	P	N.D.	<1000	P
		DBP	P	N.D.	<1000	P
		BBP	P	N.D.	<1000	P
4	Copper Shell	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	D	N.D.	<1000	P
		PBDEs	D	N.D.	<1000	P
		HBCDD	D	N.D.	<1000	P
		DEHP	D	N.D.	<1000	P
		DBP	D	N.D.	<1000	P
		BBP	D	N.D.	<1000	P

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SAMPLE NO.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
5	Rubber Circle	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		HBCDD	P	N.D.	<1000	P
		DEHP	P	N.D.	<1000	P
		DBP	P	N.D.	<1000	P
		BBP	P	N.D.	<1000	P
6	Heat-shrinkable T bush	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	P	N.D.	<1000	P
		PBDEs	P	N.D.	<1000	P
		HBCDD	P	N.D.	<1000	P
		DEHP	P	N.D.	<1000	P
		DBP	P	N.D.	<1000	P
		BBP	P	N.D.	<1000	P
7	PC Cable Bayonet	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	D	N.D.	<1000	P
		PBDEs	D	N.D.	<1000	P
		HBCDD	D	N.D.	<1000	P
		DEHP	D	N.D.	<1000	P
		DBP	D	N.D.	<1000	P
		BBP	D	N.D.	<1000	P

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SAMPLE NO.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusion (P/F)
8	Female	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	D	N.D.	<1000	P
		PBDEs	D	N.D.	<1000	P
		HBCDD	D	N.D.	<1000	P
		DEHP	D	N.D.	<1000	P
		DBP	D	N.D.	<1000	P
		BBP	D	N.D.	<1000	P
9	Male connector	Cd	P	N.D.	<100	P
		Cr	P	N.D.	<1000	P
		Hg	P	N.D.	<1000	P
		Pb	P	N.D.	<1000	P
		PBBs	D	N.D.	<1000	P
		PBDEs	D	N.D.	<1000	P
		HBCDD	D	N.D.	<1000	P
		DEHP	D	N.D.	<1000	P
		DBP	D	N.D.	<1000	P
		BBP	D	N.D.	<1000	P

## Notes:

1mg/kg=1ppm = 0.0001%

N.D. = Not Detected (<MDL)

MDL = Method Detection Limit

/=Not Regulated

---=Not Applicable

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Tel.: +86-755-27912080 Fax.: +86-755-27916936 Website: www.yarui-lab.com

**Photo Documentation:**

Details of: Overview

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Details of: Overview

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Details of: Overview

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Details of: Overview

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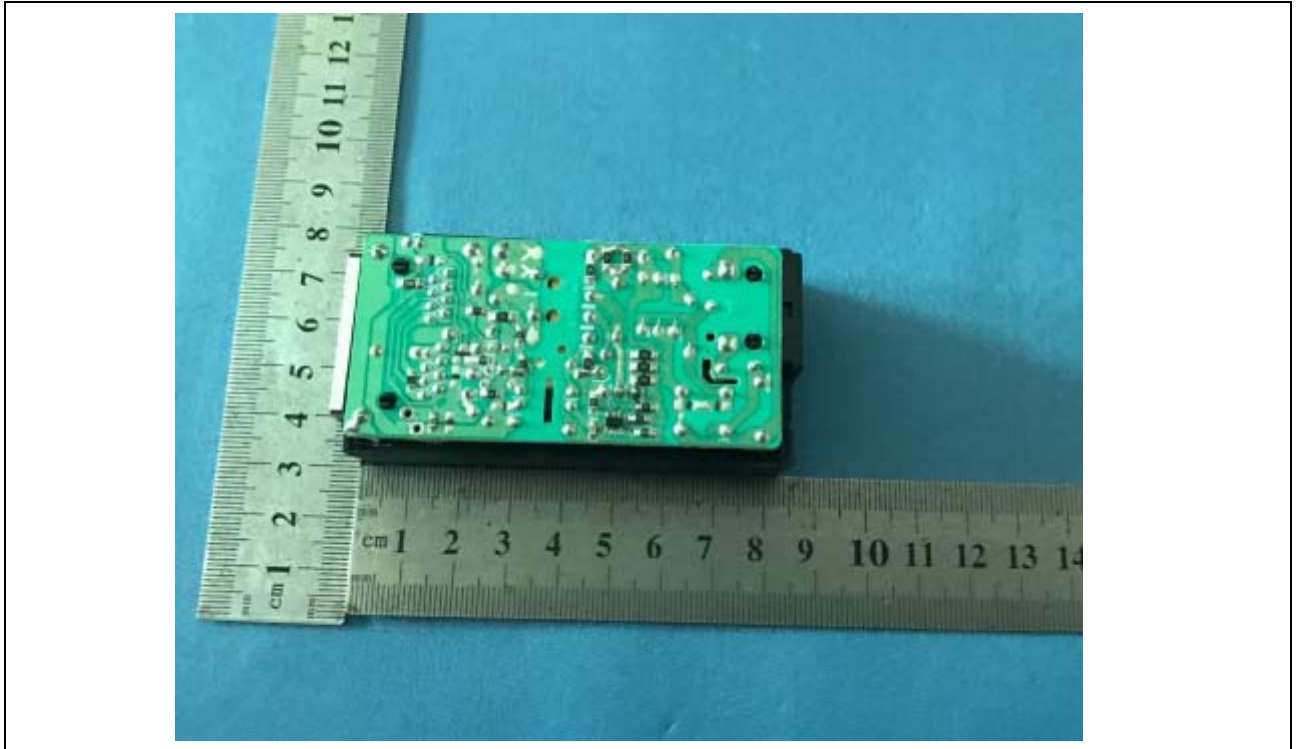
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Details of: Overview

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===== End of Test Report =====

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