


RoHS--TEST REPORT

Product: Battery Charger
Brand Mark: **LiitoKala® XSL** 鑫盛力®
Applicant: Shenzhen XinShengLi Power Co.,LTD.
Address: (MaoBang Industrial park)6th Floor,No.8,Lingwu industrial zone,
Junzibu,Guanlan town, Shenzhen,Guangdong,China
Manufacturer: Shenzhen XinShengLi Power Co.,LTD.
Address: (MaoBang Industrial park)6th Floor,No.8,Lingwu industrial zone,
Junzibu,Guanlan town, Shenzhen,Guangdong,China
Model No: Lii-100B, Lii-100
Date of Sample Received: 2016-03-01
Testing Period: 2016-03-01 to 2016-03-14
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 Pass
(2): As specified by client, to determine the HBCDD content in the submitted samples Pass
(3): As specified by client, to determine the DEHP、DBP、BBP content in the submitted Pass

The results shown on the report comply with the limit in commission decision amending Directive 2011/65/EU (ROHS).

Check by : Si feifei Date : 2016-03-14
(Si feifei)
Approved by : Xu Peng Date : 2016-03-14
(Xu Peng)



Test Method:

(1) With reference to IEC 62321

Testing item	Pretreatment method	Measuring instrument	MDL
Lead(Pb)	IEC 62321:2013	ICP-OES	2 mg/kg
Cadmium(Cd)	IEC 62321:2013	ICP-OES	2 mg/kg
Mercury(Hg)	IEC 62321:2013	ICP-OES	2 mg/kg
Chromium(Cr VI)	IEC 62321:2008	UV-Vis	2 mg/kg
PBBs/ PBDEs	IEC 62321:2008	GC-MS	5 mg/kg

(2) With reference to EPA 3550C:2007

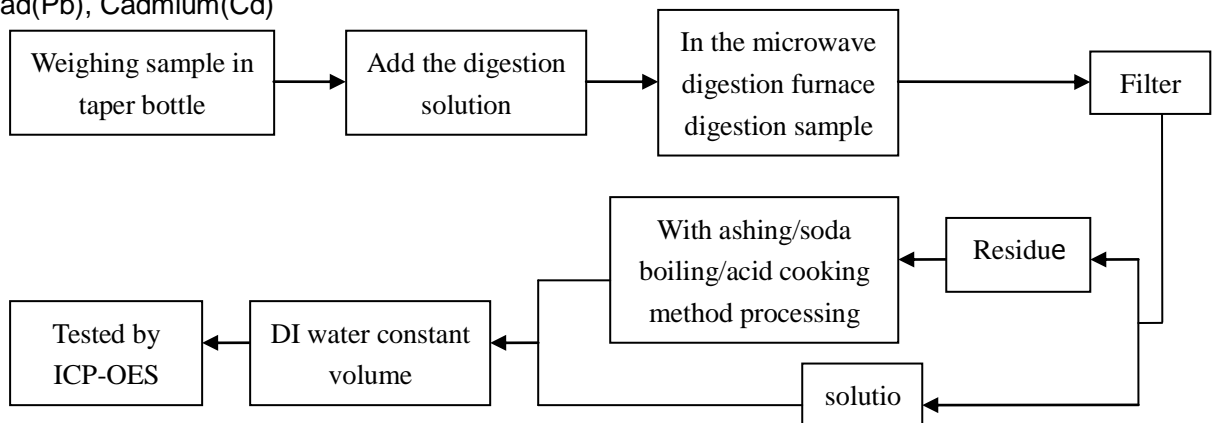
Testing item	Pretreatment method	Measuring instrument	MDL
HBCDD	EPA 3550C:2007	GC-MS	10 mg/kg

(3) With reference to EN 14372:2004

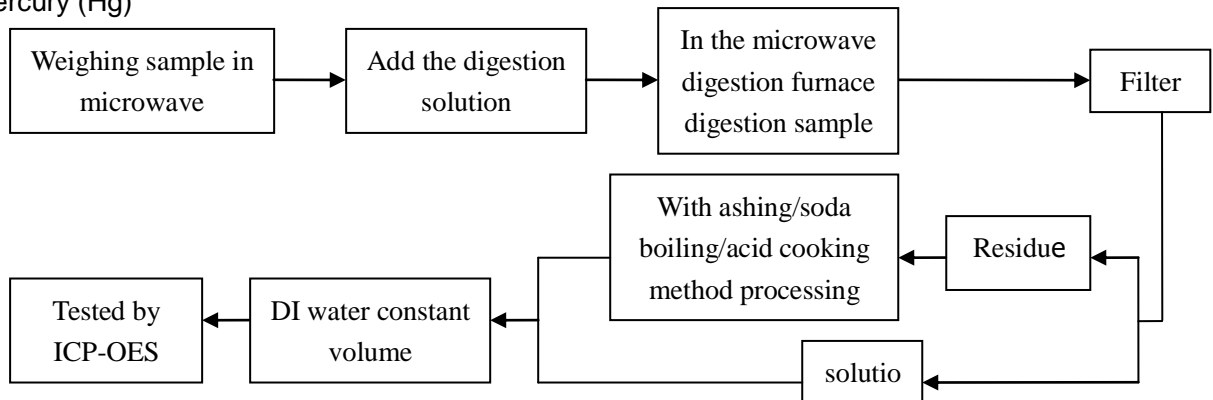
Testing item	Pretreatment method	Measuring instrument	MDL
DEHP、DBP、BBP	EN 14372:2004	GC-MS	0.003 mg/kg

Test Flow:

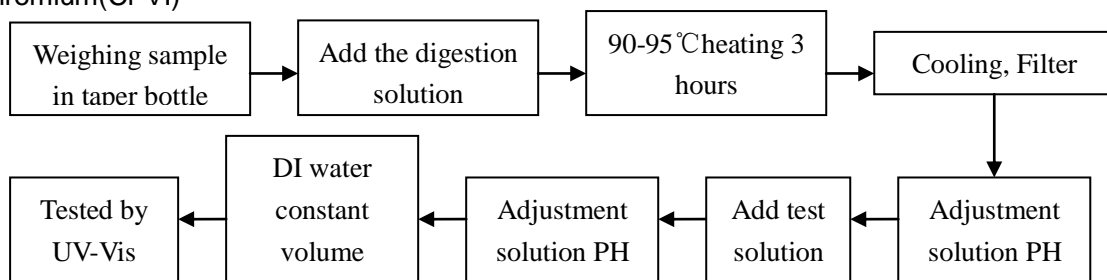
1. Lead(Pb), Cadmium(Cd)



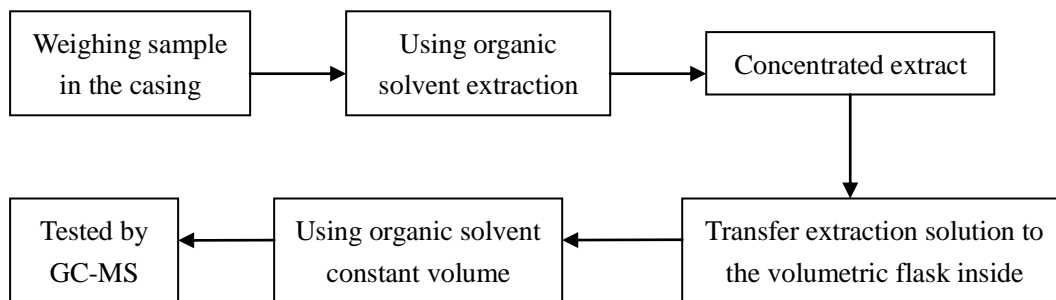
2. Mercury (Hg)



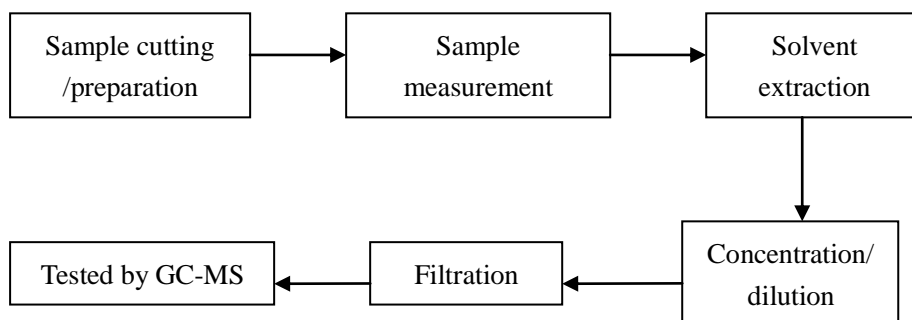
3. Chromium(Cr VI)



4. PBBs/ PBDEs



5. HBCDD/ DEHP/ BBP/ DBP





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Test Results:

Testing Item	Unit	ROHS Limit	Result					
			1	2	3	4	5	6
Lead(Pb)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium(Cd)	mg/kg	100	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury(Hg)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium(Cr VI)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sum of PBBs	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Monobromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Sum of PBDEs	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Monobromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dibromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tribromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Tetrabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Pentabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Heptabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Octabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Nonabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Decabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Hexabromocyclododecane (HBCDD)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Benzylbutyl Phthalate (BBP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.
Dibutyl Phthalate (DBP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.



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Testing Item	Unit	ROHS Limit	Result					
			7	8	9	10	--	--
Lead(Pb)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	--	--
Cadmium(Cd)	mg/kg	100	N.D.	N.D.	N.D.	N.D.	--	--
Mercury(Hg)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	--	--
Chromium(Cr VI)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	--	--
Sum of PBBs	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	--	--
Monobromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Dibromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Tribromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Tetrabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Pentabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Hexabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Heptabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Octabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Nonabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Decabromobiphenyl	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Sum of PBDEs	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	--	--
Monobromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Dibromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Tribromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Tetrabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Pentabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Hexabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Heptabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Octabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Nonabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Decabromodiphenyl ether	mg/kg	/	N.D.	N.D.	N.D.	N.D.	--	--
Hexabromocyclododecane (HBCDD)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	--	--
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	--	--
Benzylbutyl Phthalate (BBP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	--	--
Dibutyl Phthalate (DBP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	--	--



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Sample Description:

1. PCB (Red)
2. IC
3. Metal of Output Terminal
4. Spring
5. USB Port
6. SMD RES.
7. SMD Cap.
8. USB
9. LED
10. Enclosure

Notes:

1mg/kg=1ppm = 0.0001%

N.D. = Not Detected (<MDL)

MDL = Method Detection Limit

/=Not Regulated

---=Not Applicable

SAMPLE PHOTO



Fig. 1

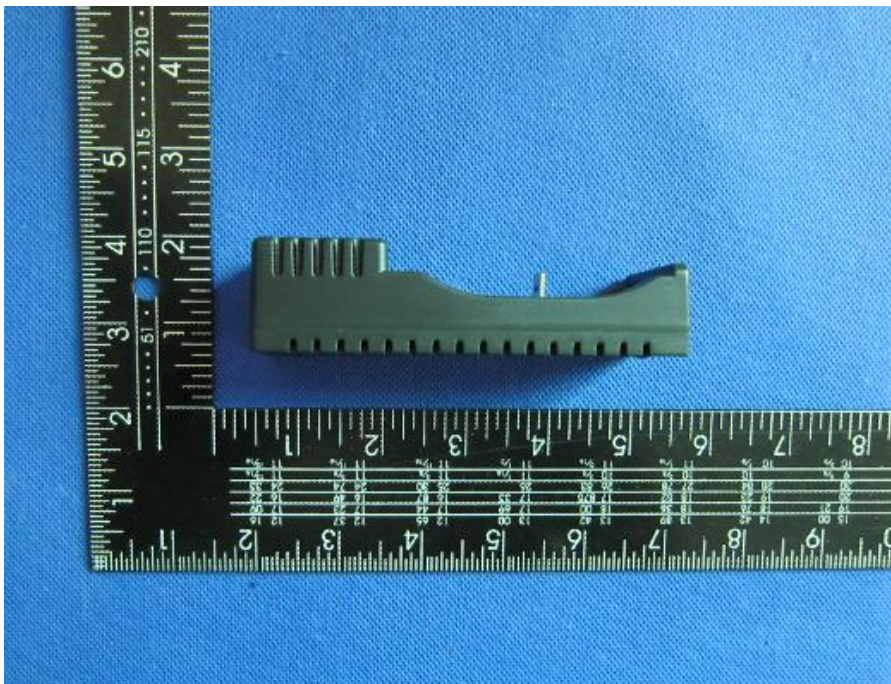


Fig. 2

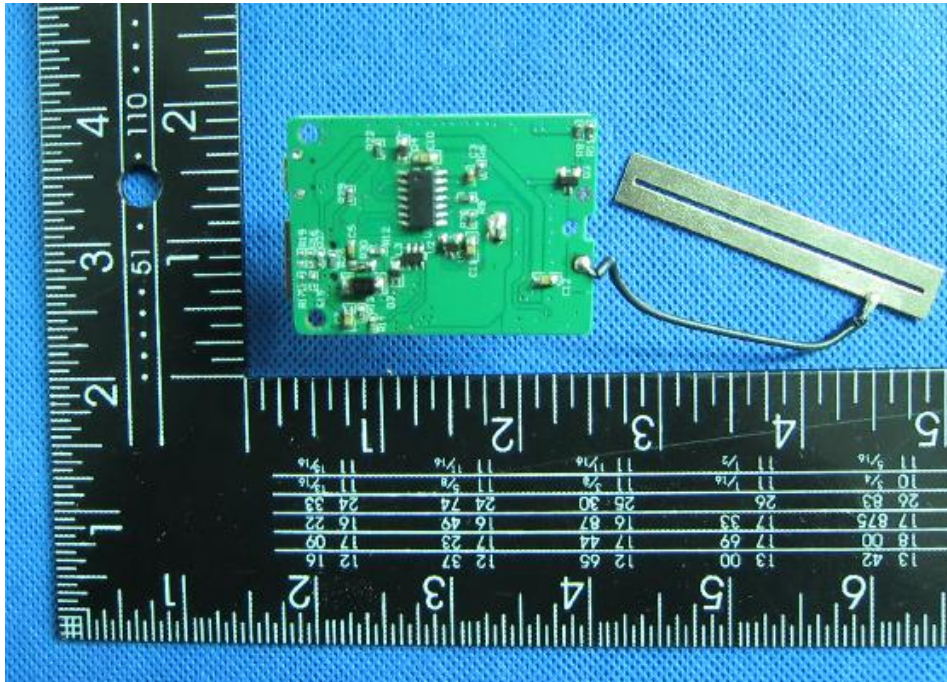


Fig. 3

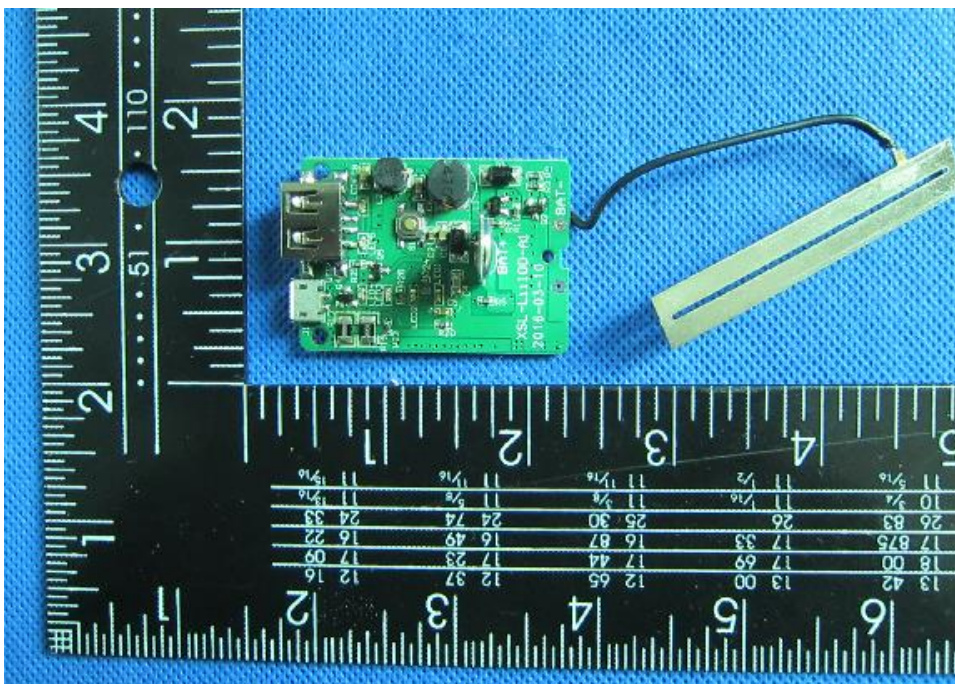


Fig. 4

****End of Report****