



**RoHS Test Report**    No. 201307704R    Date: Jul. 10, 2013    Page1 of 7

APPLICANT : Shenzhen Smart Team Technology Ltd  
Xutai Industrial Zone, Long Wo Road, Long Tian Village, Keng Zi Town, Longgang District, Shenzhen, Guangdong, China

REPORT ON THE SUBMITTED SAMPLE SAID TO BE

SAMPLE NAME : Solar Charging Panel

TYPE /MODEL : PSP2013

MANUFACTURER : Shenzhen Smart Team Technology Ltd

TEST REPORT NUMBER : 201307704R

SAMPLE RECEIVED DATE : Jul. 06, 2013

TESTING PERIOD : Jul. 06, 2013 to Jul. 10, 2013

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TEST REQUESTED: TO COMBINE THE TEST RESULT FOR THE SUBMITTED SAMPLE

\*\*\*\*\*

CONCLUSION:

<u>TESTED SAMPES</u>	<u>STANDARD</u>	<u>RESULT</u>
SUBMITTED SAMPLE	EUROPEAN DIRECTIVE 2011/65/EU ON THE RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS Directive)	PASS

\*\*\*\*\*FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)\*\*\*\*\*

Signed for and on behalf of ANBOTEK COMPLIANCE LABORATORY LIMITED

Written by Adeline Fan

Inspected by Terry Tian

Approved Jeff Zhu  
Jeff Zhu / Manager

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**Shenzhen Anbotek Compliance Laboratory Limited**

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Tel: (86) 755-26066544    Fax: (86)755-26014772    Email: service@anbotek.com    Http: //www.anbotek.com.cn



**Testing method:**

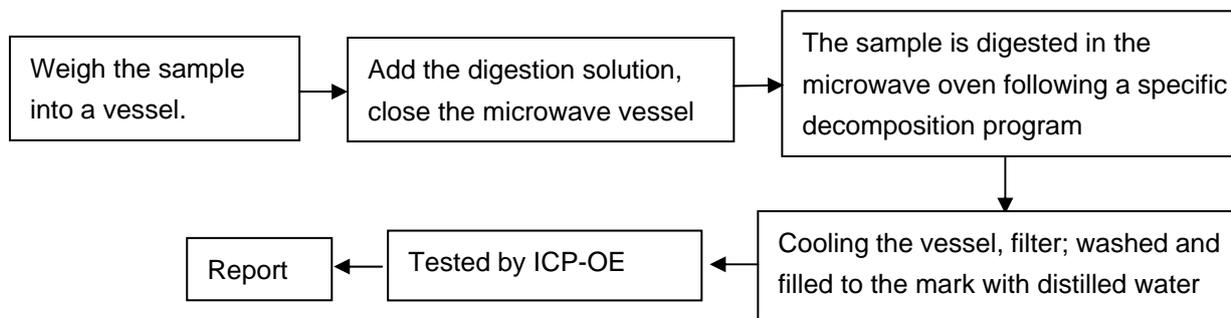
Testing Item	Measuring method	Instrument	Report Limit
Cadmium (Cd)	EN 1122B	ICP-AES	2 mg/kg
Lead (Pb)	EPA 3050B	ICP-AES	2 mg/kg
Mercury (Hg)	EPA 3052	ICP-AES	2 mg/kg
Chromium(VI) [Cr(VI)]	EPA 3060A	UV-VIS	2 mg/kg
Polybrominated Biphenyl (PBB)	83/264/EEC	GC/MS	5 mg/kg
Polybrominated Diphenylether (PBDE)	83/264/EEC	GC/MS	5 mg/kg

**Method detection Limits:**

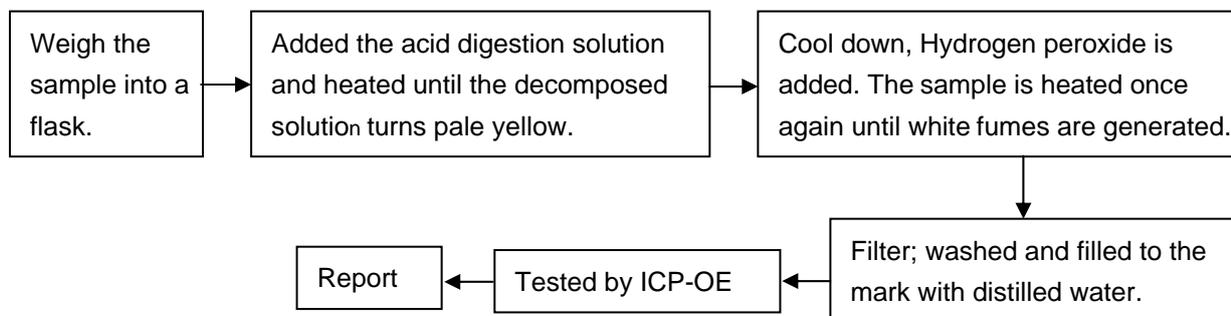
Test Item	Unit	Acceptable Limit
Cadmium (Cd)	ppm	100
Lead (Pb)	ppm	1000
Mercury (Hg)	ppm	1000
Chromium(VI) [Cr(VI)]	ppm	1000
Polybrominated Biphenyl (PBB)	ppm	1000
Polybrominated Diphenylether (PBDE)	ppm	1000

**Test flow:**

1. To Determine lead Content:



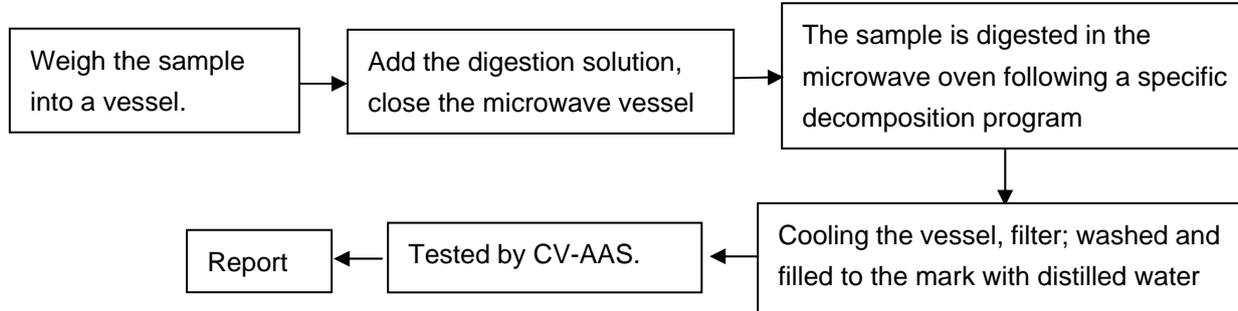
2. To Determine Cadmium Content:



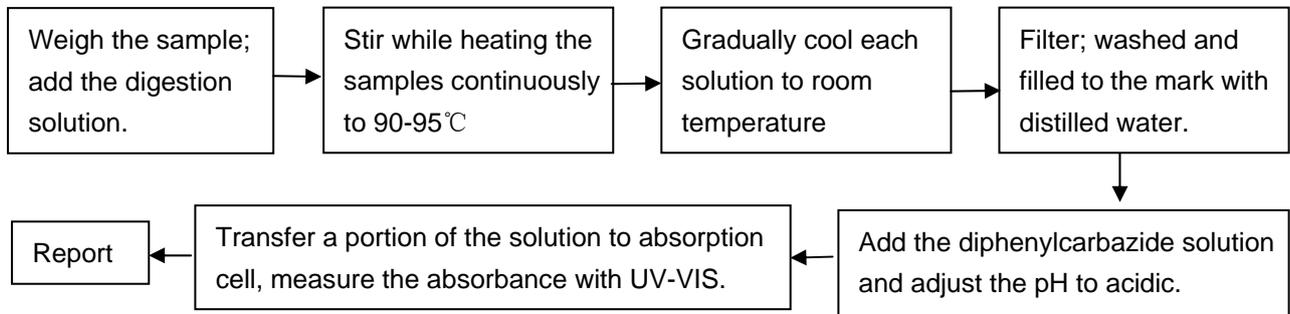
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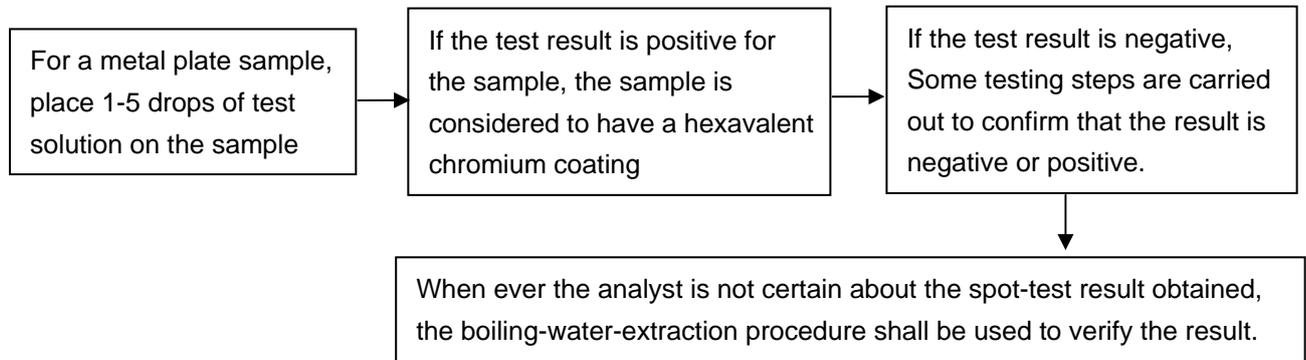
3. To Determine Mercury Content:



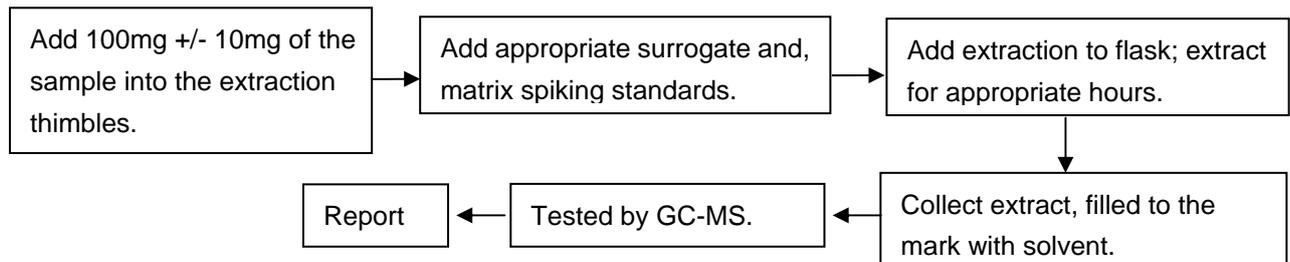
4. To Determine Hexavalent Chromium Content:



5. To Determine Hexavalent Chromium Content in metals:  
spot-test:



6. To Determine PBBs / PBDEs Content:



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**Test Results**

Item	Unit	MDL	<u>No.</u> <u>1-1</u>	<u>No.</u> <u>1-2</u>	<u>No.</u> <u>1-3</u>	<u>No.</u> <u>2-1</u>	<u>No.</u> <u>2-2</u>
Lead Content (Pb)	ppm	2	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	ppm	2	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury Content(Hg)	ppm	2	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium Content [Cr(VI)]	ppm	2	N.D.	Negative	Negative	N.D.	N.D.
Flame Retardants							
Polybrominated biphenyls (PBBs)	ppm	5	N.D.	N.A.	N.A.	N.D.	N.D.
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.D.	N.A.	N.A.	N.D.	N.D.

Item	Unit	MDL	<u>No.</u> <u>3</u>	<u>No.</u> <u>4-1</u>	<u>No.</u> <u>4-2</u>	<u>No.</u> <u>5</u>	<u>No.</u> <u>6</u>
Lead Content (Pb)	ppm	2	N.D.	N.D.	N.D.	N.D.	3537 <sup>&lt;sup&gt;^&lt;/sup&gt;</sup>
Cadmium (Cd)	ppm	2	N.D.	N.D.	N.D.	N.D.	N.D.
Mercury Content(Hg)	ppm	2	N.D.	N.D.	N.D.	N.D.	N.D.
Hexavalent Chromium Content [Cr(VI)]	ppm	2	N.D.	N.D.	Negative	N.D.	N.D.
Flame Retardants							
Polybrominated biphenyls (PBBs)	ppm	5	N.D.	N.D.	N.A.	N.D.	N.D.
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.D.	N.D.	N.A.	N.D.	N.D.

Item	Unit	MDL	<u>No.</u> <u>7</u>	<u>No.</u> <u>8</u>	<u>No.</u> <u>9</u>		
Lead Content (Pb)	ppm	2	5	N.D.	N.D.		
Cadmium (Cd)	ppm	2	N.D.	N.D.	N.D.		
Mercury Content(Hg)	ppm	2	N.D.	N.D.	N.D.		
Hexavalent Chromium Content [Cr(VI)]	ppm	2	N.D.	N.D.	N.D.		
Flame Retardants							
Polybrominated biphenyls (PBBs)	ppm	5	N.D.	N.D.	N.D.		
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.D.	N.D.	N.D.		

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- NOTE: (1) ppm=mg/kg.  
(2) N.D.= NOT DETECTED (<MDL)  
(3) N.A.= NOT APPLICABLE  
(4) Negative = Abence of CrVI coating

DISCLAIM: Anbotek take no responsibility for any mistakes caused by inaccurate and /or invalid information submitted by the applicant.

Remark<1>: According to the declaration from the client, Lead (Pb) in specimen 6 is exempted by EU RoHS Directive 2011/65/EU based on: Electrical and electronic components containing lead in a glass or ceramic other than dielectric ceramic in capacitors, e.g. piezoelectronic devices, or in a glass or ceramic matrix compound.

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**SAMPLE APPEARANCE DESCRIPTION**

<b>Item No.</b>	<b>Part Name</b>	<b>Description</b>	<b>Test Report No.</b>
1	USB	---	---
1-1	PBT(WHITE PLASTIC CORE)	Light blue plastic	SGS CANEC1213118512
1-2	SPCC	Silver-grey metal	SGS CANEC1213118509
1-3	FILM	Silvery and silver-grey film	SGS CANEC1213118515
2	KEYPAD LIGHT	---	SGS CE/2012/70633A
2-1	CHIP	Transparent glue and chip	SGS CE/2012/70633A
2-2	BODY	Body(excluding the transparent glue and chip)	SGS CE/2012/70633A
3	WIRE	Red/white/black wire skin(mix testing)	PONY H03213044404D
4	SOP28L	---	SGS SHAEC1206020003
4-1	BODY	Black body	SGS SHAEC1206020003
4-2	METAL	Silvery metal	SGS SHAEC1206020003
5	SOT-23	Black body w/ white printing & silvery metal pin	SGS CANEC1306648301
6	CHIP RESISTANCE	Chip resistance	SGS CANEC1302632204
7	CPFCP(SY)	Copper clad brown laminate w/ green printing	SGS CANEC1206972101
8	POLYCARBONATE	Transparent polycarbonate	SGS KA/2011/C1964
9	FR-4 ENTEK COATING(OSP)	PCB(mixed)	CTI RLSZC000481700013-A

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

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**APPENDIX A**

**Photograph of Sample**



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