RoHS Test Report	No. 201205833R	Date: Jun. 07, 2012	Page 1 of 10
• APPLICANT	LTD) No.135, Huancher	DONGGUAN SHIMA ELECTR ng Road, Mawu Village, Qiaoli M gping Town, Dongguan city, Gu	Management
REPORT ON THE SUBMITTE	ED SAMPLE SAID TO E	ЗЕ	
SAMPLE NAME TYPE /MODEL	SB-DIM8c1A-DN, SB-CC25x1-WL, S	Controls SB-DIM4c3A-DN, SB-DIM6c2A SB-DIM1c10A-DN, SB-ZMix20 SB-6BO-10V-DN, SB-ZMIX23-D B-2Flicker-UN, SB-3LED650-D	–DN, DN,

SB-4LED-AC24, SB-4LED-DCV : SMART-GROUP (DONGGUAN SHIMA ELECTRONICS CO., MANUFACTURER LTD) TEST REPORT NUMBER : 201205833R SAMPLE RECEIVED DATE : May 29, 2012 **TESTING PERIOD** : May 29, 2012 to Jun. 07, 2012

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

***** CONCLUSION:

TESTED SAMPES SUBMITTED SAMPLE

STANDARD EUROPEAN DIRECTIVE 2011/65/EU ON THE RESTRICTION OF THE USE OF CERTAIN HAZARDOUS SUBSTANCES (RoHS Directive)

RESULT PASS

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

Signed for and on behalf of ANBOTEK COMPLIANCE LABORATORY LIMITED

Written by

Andy Shen Jeff zhn

Inspected by Terry Tian

Approved Jeff Zhu / Manager

Testing method:

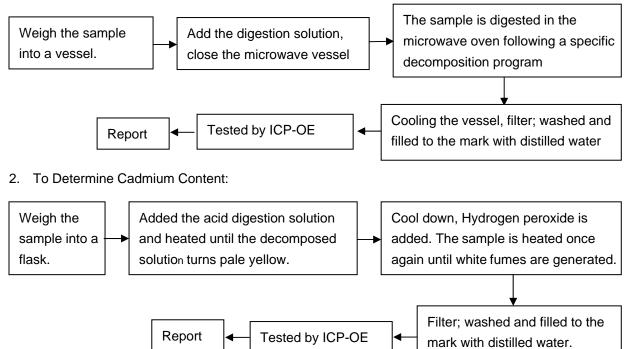
Testing Item	Measuring method	Instrument	Report Limit
Cadmium (Cd)	EN 1122B	ICP-AES	2 mg/kg
Lead (Pb)	EPA 3050B	ICP-AES	2 mg/kg
Mercury (Hg)	EPA 3052	ICP-AES	2 mg/kg
Chromium(VI) [Cr(VI)]	EPA 3060A	UV-VIS	2 mg/kg
Polybrominated Biphenyl (PBB)	83/264/EEC	GC/MS	5 mg/kg
Polybrominated Diphenylether (PBDE)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

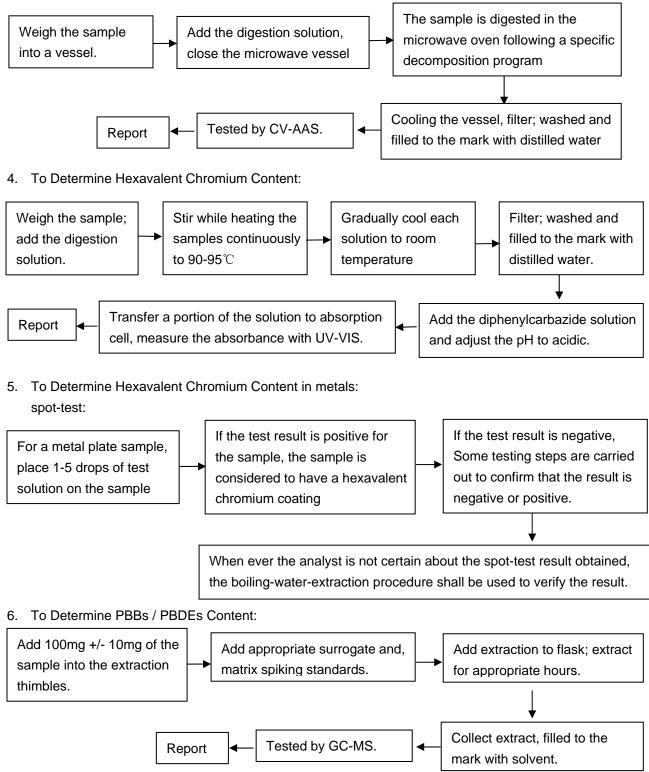
1. To Determine lead Content:



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3. To Determine Mercury Content:



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Test Results

Item	Unit	MDL	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>
			<u>1</u>	<u>2</u>	<u>3-1</u>	<u>3-2</u>	<u>4-1</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	N.D.	Negative	N.D.
Flame Retardants							
Polybrominated biphenyis (PBBs)	ppm	5	N.D.	N.A.	N.D.	N.A.	N.D.
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.D.	N.A.	N.D.	N.A.	N.D.

Item	Unit	MDL	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>
			<u>4-2</u>	<u>5-1</u>	<u>5-2</u>	<u>6-1</u>	<u>6-2</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	Negative	N.D.	Negative	N.D.	Negative
Flame Retardants							
Polybrominated biphenyis (PBBs)	ppm	5	N.A.	N.D.	N.A.	N.D.	N.A.
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.A.	N.D.	N.A.	N.D.	N.A.

Item	Unit	MDL	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>
			<u>7-1</u>	<u>7-2</u>	<u>7-3</u>	<u>7-4</u>	<u>7-5</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	Negative	Negative	Negative	N.D.	N.D.
Flame Retardants							
Polybrominated biphenyis (PBBs)	ppm	5	N.A.	N.A.	N.A.	N.D.	N.D.
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.A.	N.A.	N.A.	N.D.	N.D.

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Item	Unit	MDL	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>
			<u>7-6</u>	<u>7-7</u>	<u>7-8</u>	<u>8-1</u>	<u>8-2</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.	N.D.	N.D.	N.D.	Negative
Flame Retardants							
Polybrominated biphenyis (PBBs)	ppm	5	N.D.	N.D.	N.D.	N.D.	N.A.
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.D.	N.D.	N.D.	N.D.	N.A.

Item	Unit	MDL	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>
			<u>9-1</u>	<u>9-2</u>	<u>9-3</u>	<u>10-1</u>	<u>10-2</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.	N.D.	Negative	N.D.	Negative
Flame Retardants							
Polybrominated biphenyis (PBBs)	ppm	5	N.D.	N.D.	N.A.	N.D.	N.A.
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.D.	N.D.	N.A.	N.D.	N.A.

Item	Unit	MDL	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>
			<u>10-3</u>	<u>11-1</u>	<u>11-2</u>	<u>11-3</u>	<u>11-4</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	Negative	Negative	N.D.	Negative	N.D.
Flame Retardants							
Polybrominated biphenyis (PBBs)	ppm	5	N.A.	N.A.	N.D.	N.A.	N.D.
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.A.	N.A.	N.D.	N.A.	N.D.

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Item	Unit	MDL	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>
			<u>11-5</u>	<u>11-6</u>	<u>12-1</u>	<u>12-2</u>	<u>12-3</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	Negative	N.D.	N.D.	Negative	Negative
Flame Retardants							
Polybrominated biphenyis (PBBs)	ppm	5	N.A.	N.D.	N.D.	N.A.	N.A.
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.A.	N.D.	N.D.	N.A.	N.A.

Item	Unit	MDL	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>
			<u>13-1</u>	<u>13-2</u>	<u>14-1</u>	<u>14-2</u>	<u>15</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	Negative	Negative	N.D.	Negative	Negative
Flame Retardants							
Polybrominated biphenyis (PBBs)	ppm	5	N.A.	N.A.	N.D.	N.A.	N.A.
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.A.	N.A.	N.D.	N.A.	N.A.

Item	Unit	MDL	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>	<u>No.</u>
			<u>16</u>	<u>17-1</u>	<u>17-2</u>	<u>18</u>	<u>19</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	Negative	N.D.	Negative	Negative	N.D.
Flame Retardants							
Polybrominated biphenyis (PBBs)	ppm	5	N.A.	N.D.	N.A.	N.A.	N.D.
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.A.	N.D.	N.A.	N.A.	N.D.

Item	Unit	MDL	<u>No.</u>				
			<u>20</u>				
Lead Content (Pb)	ppm	2	N.D.				
Cadmium (Cd)	ppm	2	N.D.				
Mercury Content(Hg)	ppm	2	N.D.				
Hexavalent Chromium Content [Cr(VI)]	ppm	2	N.D.				
Flame Retardants							
Polybrominated biphenyis (PBBs)	ppm	5	N.D.				
Polybrominated Diphenylethers(PBDEs)	ppm	5	N.D.				

NOTE: (1) ppm=mg/kg.

(2) N.D.= NOT DETECTED (<MDL)

(3) N.A.= NOT APPLICABLE

- (4) Negative = Absence of CrVI coating
- DISCLAIM: Anbotek take no responsibility for any mistakes caused by inaccurate and /or invalid information submitted by the applicant.

Sample Appearance Description:

Item No.	Part Name	Description
1	PCB	Green PCB (mixed)
2	TIN	Silvery metal
3	IC	
3-1	BODY	Black body
3-2	PIN	Silvery metal pin
4	RESISTOR	
4-1	BODY	Grey body w/ multicolor printing (mixed)
4-2	PIN	Silvery metal pin
5	CHIP RESISTOR	
5-1	BODY	Black body w/ white printing
5-2	PIN	Silvery metal pin
6	CHIP CAPACITOR	
6-1	BODY	Yellow body
6-2	PIN	Silvery metal pin
7	ELECTROLYTICAL CAPACITOR	
7-1	FOIL	Black metal
7-2	PIN	Silvery metal pin
7-3	ALUMINIUM	Silvery metal shell
7-4	LIQUID	Flaxen liquid
7-5	PAPER	Black paper
7-6	RUBBER	Black rubber
7-7	HEAT SHRINKABLE TUBINGS	Black plastic tube
7-8	SHELL	Black plastic
8	DIODE	
8-1	BODY	Black solid w/ grey printing (mixed)
8-2	PIN	Silvery metal pin
9	INDUCTOR	
9-1	COVER	Black rubber cover
9-2	CORE	Dk-grey core
9-3	PIN	Silvery metal pin
10	TERMINAL	
10-1	BODY	Green plastic body
10-2	WIRE	Silvery metal wire

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Item No.	Part Name	Description
10-3	PIN	Silvery metal pin
11	TRANSFORMER	
11-1	METAL WIRE	Silvery color metal
11-2	CORE	Black core
11-3	TIN BAR	Silvery metal
11-4	INSULATION PAINT	Transparent liquid
11-5	INSULATION WIRE	Yellow plastic jacket & golden colored metal wire
11-6	SKELETON	Black skeleton
12	RELAY	
12-1	BODY	Black body
12-2	METAL	Silvery metal
12-3	PIN	Silvery metal pin
13	CRYSTAL	
13-1	BODY	Silvery metal body
13 -2	PIN	Silvery metal pin
14	CAPACITOR	
14-1	BODY	Blue body w/ black printing
14-2	PIN	Silvery metal pin
15	NEEDLE	Silvery bend metal
16	COPPER MAST	Copper-color meta
17	SWITCH	
17-1	BODY	Black body
17-2	PIN	Silvery metal
18	SCREW	Silvery metal
19	CRUST	Brown plastic
20	LABEL	White label

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

APPENDIX A

Photograph of Sample

