



Test Report

Applicant:

Report on the submitted sample(s) said to be:

Sample Name: UV Sterilizer Box

Model: 6650

(Additional model materials are the same as main model materials.)

Trade Mark: N/A

Date of Test: May 14, 2020 ~ May 21, 2020

Date of Report: May 21, 2020

Test Requested: 1. As specified by client ,to screen Lead(Pb), Cadmium(Cd), Mercury(Hg),

Chromium(Cr)and Bromine(Br)in the submitted sample(s)by XRF.

2. As specified by client, when screening results exceed the XRF screening limit in IEC62321:2013 Edition 1.0, further use of wet chemical methods are required to test

Lead(Pb), Cadmium(Cd), Mercury(Hg), Hexavalent Chromium (Cr(VI)),

Polybrominated Biphenyls(PBBs), Polybrominated Diphenyl Ethers(PBDEs) in the

submitted sample(s).

Test Method: Please refer to the following page(s).

Test Result(s): Please refer to the following page(s).

Conclusion: The test results comply with the limits of RoHS 2.0 Directive (EU) 2015/863 and

(EU) 2017/2102 amending Annes II to Directive 2011/65/EU.

Checked By:

(Nana Lin)

Approved By:

(Coco Tang) * SNILS

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Test Method:

(1) With reference to IEC 62321:2013

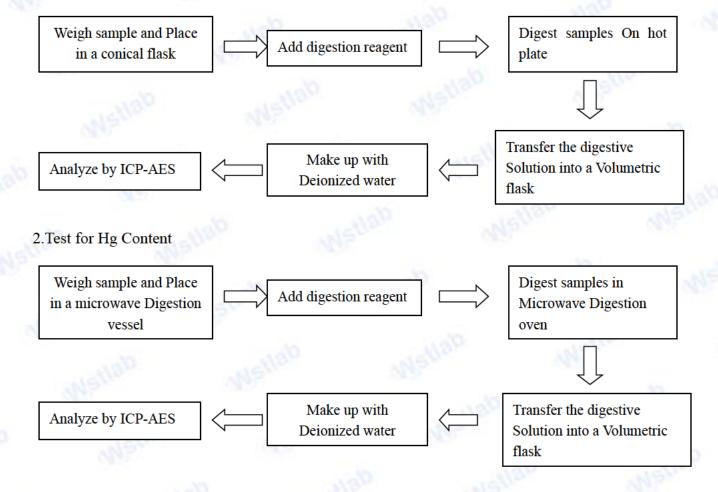
Testing item Pretreatment method		Measuring instrument	MDL
Lead(Pb)	IEC 62321-5: 2013	ICP-OES	2 mg/kg
Cadmium(Cd)	IEC 62321-5: 2013	ICP-OES	2 mg/kg
Mercury(Hg)	IEC 62321-4: 2013	ICP-OES	2 mg/kg
Chromium(Cr VI)	IEC 62321-7:2015	UV-VIS	2 mg/kg
PBBs/ PBDEs	IEC 62321-6:2015	GC-MS	5 mg/kg

(2)With reference to EN 62321-8:2017

Testing item	Pretreatment method	Measuring instrument	MDL
DEHP, DBP, BBP, DIBP	EN 62321-8:2017	GC-MS	0.003 mg/kg

Test Process:

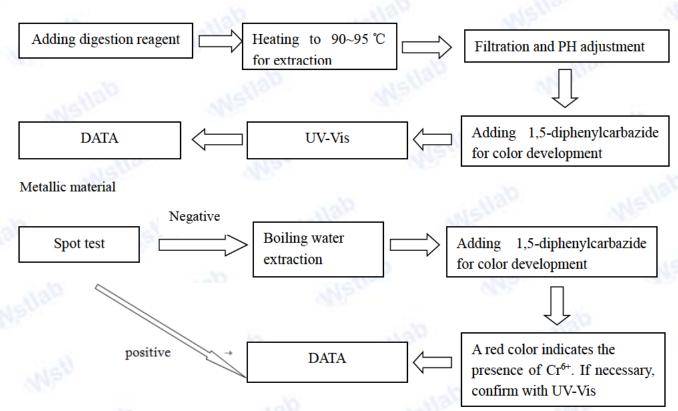
1. Test for Cd/Pb Content



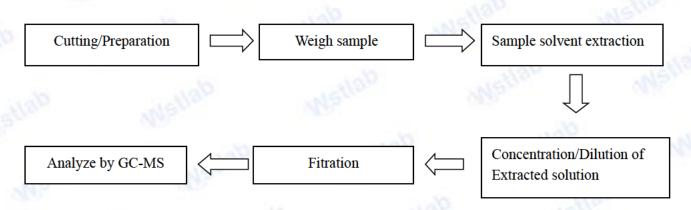


3. Test for Chromium(VI) Content

Nonmetallic material



4. Test for DBP, BBP, DEHP, DIHP, DIBP, PBB, PBDE Content





Test Results:

Mar. Mer.	TT:4	ROHS	Result						
Testing Item	Unit	Limit	10	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	- C/ ₂	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	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
Pentabromobiphenyl	mg/kg	19110	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	-478	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	- 1-	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
Hexabromodiphenyl ether	mg/kg	1190	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	1251	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
Decabromodiphenyl ether	mg/kg	11.0	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
Diisobutyl phthalate (DIBP)	mg/kg	1000	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	
Bis-(2-ethylhecyl) 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.	

Sample Description:

- 1: PCB
- 2: IC
- 3: Triode
- 4: Resistance
- 5: Capacitance
- 6: Inductance

Shenzhen WST Testing Co., Ltd.



100		Albert Caro							
Testing Item	Unit	ROHS			Re	sult			
resting item		Limit	7	8	9	10	11	12	
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.	
Monobromobiphenyl	mg/kg	-0/2	/	N.D.	N.D.	/	/	N.D.	
Dibromobiphenyl	mg/kg	600	/	N.D.	N.D.	/	/	N.D.	
Tribromobiphenyl	mg/kg	-	/	N.D.	N.D.	/	/	N.D.	
Tetrabromobiphenyl	mg/kg	- 5/0	/	N.D.	N.D.	/	/	N.D.	
Pentabromobiphenyl	mg/kg	19/10	/	N.D.	N.D.	/	/	N.D.	
Hexabromobiphenyl	mg/kg	-	/	N.D.	N.D.	/	/	N.D.	
Heptabromobiphenyl	mg/kg	-	/	N.D.	N.D.	/	/	N.D.	
Octabromobiphenyl	mg/kg	-478	/	N.D.	N.D.	/	/	N.D.	
Nonabromobiphenyl	mg/kg	-	/	N.D.	N.D.	/	/	N.D.	
Decabromobiphenyl	mg/kg	-	/	N.D.	N.D.	/	1	N.D.	
Sum of PBDEs	mg/kg	1000	/	N.D.	N.D.	1	/	N.D.	
Monobromodiphenyl ether	mg/kg	-	/	N.D.	N.D.	/	/	N.D.	
Dibromodiphenyl ether	mg/kg		/	N.D.	N.D.	/	/	N.D.	
Tribromodiphenyl ether	mg/kg	-	/	N.D.	N.D.	/	/	N.D.	
Tetrabromodiphenyl ether	mg/kg	-	/	N.D.	N.D.	/	/	N.D.	
Pentabromodiphenyl ether	mg/kg		/	N.D.	N.D.	/	/	N.D.	
Hexabromodiphenyl ether	mg/kg	1190	/	N.D.	N.D.	/	/	N.D.	
Heptabromodiphenyl ether	mg/kg	-	/	N.D.	N.D.	/	/	N.D.	
Octabromodiphenyl ether	mg/kg	-	/	N.D.	N.D.	/	/	N.D.	
Nonabromodiphenyl ether	mg/kg	1/2/2	/	N.D.	N.D.	/	/	N.D.	
Decabromodiphenyl ether	mg/kg	110	/	N.D.	N.D.	/	/	N.D.	
Diisobutyl phthalate (DIBP)	mg/kg	1000	/	N.D.	N.D.	/	1	N.D.	
Bis-(2-ethylhecyl) Phthalate (DEHP)	mg/kg	1000	_/	N.D.	N.D.	/-	/	N.D.	
Benzylbutyl Phthalate (BBP)	mg/kg	1000	/	N.D.	N.D.	/	/	N.D.	
Dibutyl Phthalate (DBP)	mg/kg	1000	/	N.D.	N.D.	/	/	N.D.	

7: Solder

8: Black electrolytic capacitor film

9: Black rubber

10: Pin

11: Aluminum shell

12: Electrolytic paper



		Mar							
Testing Item	Unit	ROHS			Re	sult	30		
resting item	Om	Limit	13	14	15	16	17	18	
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.	/	
Monobromobiphenyl	mg/kg	-02	N.D.	/	N.D.	N.D.	N.D.	- /	
Dibromobiphenyl	mg/kg	600	N.D.	1	N.D.	N.D.	N.D.	/	
Tribromobiphenyl	mg/kg	-	N.D.	/	N.D.	N.D.	N.D.	/	
Tetrabromobiphenyl	mg/kg	- 5/0	N.D.	/	N.D.	N.D.	N.D.	/	
Pentabromobiphenyl	mg/kg	19/10	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	-478	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	100	N.D.	/	N.D.	N.D.	N.D.	/	
Hexabromodiphenyl ether	mg/kg	1190	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	1/21-	N.D.	/	N.D.	N.D.	N.D.	/	
Decabromodiphenyl ether	mg/kg	17.0	N.D.	/	N.D.	N.D.	N.D.	/	
Diisobutyl phthalate (DIBP)	mg/kg	1000	N.D.	/	N.D.	N.D.	N.D.	/	
Bis-(2-ethylhecyl) 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.	/	

- 13: Inductor body
- 14: Copper wire
- 15: Adhesive tape
- 16: White plastic

wire

- 17: White silicone
- 18: Wire core

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				AVS.						
Testing Item	Unit	ROHS			Re	sult	- 35			
	Om	Limit	19	20	21	22	23	24		
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.		
Monobromobiphenyl	mg/kg	- C/2	/	N.D.	N.D.	N.D.	/	N.D.		
Dibromobiphenyl	mg/kg	ec	/	N.D.	N.D.	N.D.	/	N.D.		
Tribromobiphenyl	mg/kg	-	/	N.D.	N.D.	N.D.	/	N.D.		
Tetrabromobiphenyl	mg/kg	-5/0	/	N.D.	N.D.	N.D.	/	N.D.		
Pentabromobiphenyl	mg/kg	19/10	/	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	-676	-/	N.D.	N.D.	N.D.	/	N.D.		
Nonabromobiphenyl	mg/kg	0	/	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	1100	/	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	1221-	/	N.D.	N.D.	N.D.	/	N.D.		
Decabromodiphenyl ether	mg/kg	Ale	/	N.D.	N.D.	N.D.	/	N.D.		
Diisobutyl phthalate (DIBP)	mg/kg	1000	/	N.D.	N.D.	N.D.	1	N.D.		
Bis-(2-ethylhecyl) 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.		

19: Screw

20: White plastic shell

21: LED

22: Ink

23: Metal interface

24: USB



		M97 M9							
Testing Item	Unit	ROHS			Re	sult	35		
resting item	Om	Limit	25	26	27	28	29	30	
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.	/	
Monobromobiphenyl	mg/kg	-02	N.D.	N.D.	1	N.D.	N.D.	_ /	
Dibromobiphenyl	mg/kg	600	N.D.	N.D.	/	N.D.	N.D.	/	
Tribromobiphenyl	mg/kg	-	N.D.	N.D.	/	N.D.	N.D.	/	
Tetrabromobiphenyl	mg/kg	- 5/0	N.D.	N.D.	/	N.D.	N.D.	/	
Pentabromobiphenyl	mg/kg	19/10	N.D.	N.D.	1	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	-478	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.	0 /	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	100	N.D.	N.D.	/	N.D.	N.D.	/	
Hexabromodiphenyl ether	mg/kg	1190	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	11/21-	N.D.	N.D.	/	N.D.	N.D.	/	
Decabromodiphenyl ether	mg/kg	17.0	N.D.	N.D.	/	N.D.	N.D.	/	
Diisobutyl phthalate (DIBP)	mg/kg	1000	N.D.	N.D.	/	N.D.	N.D.	/	
Bis-(2-ethylhecyl) 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.	/	

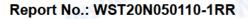
- 25: Display screen
- 26: White plastic button
- 27: Silver metal plug
- 28: White plastic baffle
- 29: Black magic post
- 30: Metal wire



Man Man		POHG	Result						
Testing Item	Unit	ROHS Limit					-30		
T (M)	/1		31	32	/	/	/		
Lead(Pb)	mg/kg	1000	N.D.	N.D.	/	/	/	/	
Cadmium(Cd)	mg/kg	100	N.D.	N.D.	/	/	/	/	
Mercury(Hg)	mg/kg	1000	N.D.	N.D.	/	/	/	/	
Chromium(Cr VI)	mg/kg	1000	N.D.	N.D.	/	/	/	/	
Sum of PBBs	mg/kg	1000	N.D.	N.D.	/	/	/	/	
Monobromobiphenyl	mg/kg	· (1/2	N.D.	N.D.	/	/	/	_ /	
Dibromobiphenyl	mg/kg	-	N.D.	N.D.	/	/	/	/	
Tribromobiphenyl	mg/kg	-	N.D.	N.D.	/	/	/	/	
Tetrabromobiphenyl	mg/kg	Class.	N.D.	N.D.	/	/	/	/	
Pentabromobiphenyl	mg/kg	19110	N.D.	N.D.	1	/	/	/	
Hexabromobiphenyl	mg/kg	-	N.D.	N.D.	/	/	/	/	
Heptabromobiphenyl	mg/kg	-	N.D.	N.D.	/	/	/	/	
Octabromobiphenyl	mg/kg	-478	N.D.	N.D.	/	/	/	/	
Nonabromobiphenyl	mg/kg	-	N.D.	N.D.	/	/	/	/	
Decabromobiphenyl	mg/kg	-	N.D.	N.D.	/	/	1	/	
Sum of PBDEs	mg/kg	1000	N.D.	N.D.	/	/	/	/	
Monobromodiphenyl ether	mg/kg	-	N.D.	N.D.	/	/	/	/	
Dibromodiphenyl ether	mg/kg	-	N.D.	N.D.	1	/	/	/	
Tribromodiphenyl ether	mg/kg	-	N.D.	N.D.	/	/	/	/	
Tetrabromodiphenyl ether	mg/kg	-	N.D.	N.D.	/	/	/	/	
Pentabromodiphenyl ether	mg/kg		N.D.	N.D.	/	/	/	/	
Hexabromodiphenyl ether	mg/kg	1150	N.D.	N.D.	/	/	/	/	
Heptabromodiphenyl ether	mg/kg	-	N.D.	N.D.	/	/	/	/	
Octabromodiphenyl ether	mg/kg	-	N.D.	N.D.	/	/	/	/	
Nonabromodiphenyl ether	mg/kg	1251-	N.D.	N.D.	1	/	/	/	
Decabromodiphenyl ether	mg/kg	Ale	N.D.	N.D.	/	/	/	/	
Diisobutyl phthalate (DIBP)	mg/kg	1000	N.D.	N.D.	/	/	1	/	
Bis-(2-ethylhecyl) Phthalate (DEHP)	mg/kg	1000	N.D.	N.D.	/	/-	/	/	
Benzylbutyl Phthalate (BBP)	mg/kg	1000	N.D.	N.D.	/	/	/	/	
Dibutyl Phthalate (DBP)	mg/kg	1000	N.D.	N.D.	/	/	/	/	

31: White paint

32: White plastic straps





Notes:

1mg/kg=1ppm = 0.0001%

N.D. = Not Detected (<MDL)

MDL = Method Detection Limit
/=Not Regulated



Sample Photo:

Photo 1

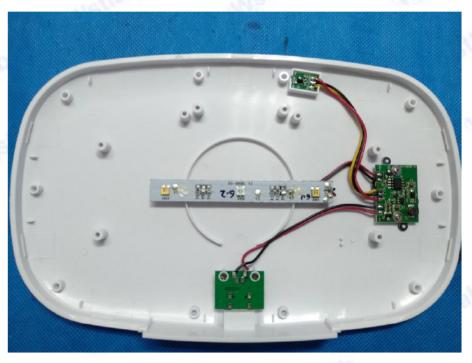


Photo 2









--- The end of report---