

Test Report

Number: SHAH00989302

Applicant: BEIJING FNFOG SECURITY TECHNOLOGY
ROOM 317, BUILD A, NO. 25, YONGTAI ROAD,
HAIDIAN DISTRICT, BEIJING
Attn: DONG JIANG

Date: Aug 07, 2018

Sample Description:

One(1) groups of submitted sample said to be :

Item Name : **Anti-burglar Fog Generator.**

Country Of Origin : China

Tests Conducted:

As requested by the applicant, for details refer to attached page(s).

Conclusion:

Tested Sample	Standard	Result
Submitted sample	RoHS Directive 2011/65/EU Requirement for Heavy Metal(Pb/Cd/Hg/ Cr ⁶⁺) Content in electrical and electronic equipments	See test results

Restriction of the use of certain hazardous substance in electrical and electronic equipment (RoHS Directive 2011/65/EU)	Pass
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To be continued

Prepared And Checked By:
For Intertek Testing Services Ltd., Shanghai

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Supervisor

Authorized By:
For Intertek Testing Services Ltd., Shanghai

Joanne Li

Joanne Li
Deputy General Manager



Test Report

Number: SHAH00989302

1 Tests Conducted
(A) Test result of RoHS Directive:

Testing Item	Result				
	(1a)	(2a)	(5)	(7)	(8)
Cadmium (Cd) content (mg/kg)	ND	ND	ND	ND	ND
Lead (Pb) content (mg/kg)	ND	7229	57	22	ND
Mercury (Hg) content (mg/kg)	ND	ND	ND	ND	ND
Chromium (VI) (Cr ⁶⁺) content (mg/kg) (for non-metal)	ND	ND	ND	ND	ND

Testing Item	Result			
	(4)	(6)	(9)	(10)
Cadmium (Cd) content (mg/kg)	ND	ND	ND	ND
Lead (Pb) content (mg/kg)	1640	23	ND	ND
Mercury (Hg) content (mg/kg)	ND	ND	ND	ND
Chromium (VI)(Cr ⁶⁺) result (by boiling water extraction on metal) (g/cm ²)	Negative	Negative	Negative	Negative

Testing Item	Result		
	(1b)	(2b)	(3b)
Cadmium (Cd) content (mg/kg)	ND	ND	ND
Lead (Pb) content (mg/kg)	25	155	195700
Mercury (Hg) content (mg/kg)	ND	ND	ND
Chromium (VI)(Cr ⁶⁺) result (by boiling water extraction on metal) (g/cm ²)	Negative	Negative	Negative

Remark: mg/kg with 50cm² = Milligram per kilogram with 50 square centimeter
ND = Not Detected

Negative = A negative test result indicated the absorbance value of testing sample solution for Cr(VI) testing is less than the absorbance value of the 0.10 μg/cm² equivalent comparison standard solution, the Cr(VI) concentration is below the limit of quantification, then the sample is considered to be negative for Cr(VI).

Inconclusive = A inconclusive test result indicated the absorbance value of testing sample solution for Cr(VI) testing is in between the values of the 0.10 μg/cm² and 0.13 μg/cm² equivalent comparison standard solutions, then the sample is considered to be in the "grey zone" where the presence or absence of Cr(VI) in the sample is inconclusive.

(B) RoHS Requirement:

Restricted Substances	Limits
Cadmium (Cd)	0.01% (100 mg/kg)
Lead (Pb)	0.1% (1000 mg/kg)
Mercury (Hg)	0.1% (1000 mg/kg)
Chromium (VI) (Cr ⁶⁺)	0.1% (1000 mg/kg)

The above limits were quoted from RoHS Directive 2011/65/EU for homogeneous material.

To be continued

Test Report

Number: SHAH00989302

Tests Conducted

(C) Test method:

Testing Item	Testing Method	Reporting Limit
Cadmium (Cd) content	With reference to IEC 62321-5 Edition 1.0: 2013, by acid digestion until the tested sample was totally dissolved, and determined by ICP-OES.	2 mg/kg
Lead (Pb) content	With reference to IEC 62321-5 Edition 1.0: 2013, by acid digestion until the tested sample was totally dissolved, and determined by ICP-OES.	2 mg/kg
Mercury (Hg) content	With reference to IEC 62321-4 Edition 1.0: 2013, by acid digestion until the tested sample was totally dissolved, and determined by ICP-OES.	2 mg/kg
Chromium (VI) (Cr ⁶⁺) content (for non-metal)	With reference to IEC 62321 Edition 1.0: 2008, by alkaline digestion and determined by UV-VIS Spectrophotometer.	1mg/kg
Chromium (VI) (Cr ⁶⁺) content (for metal)	With reference to IEC 62321-7-1 Edition 1.0: 2015, by boiling water extraction and determined by UV-VIS Spectrophotometer.	Positive(>0.13 g/cm ²) / Negative(<0.10 g/cm ²) / Inconclusive(0.10 g/c m ² --0.13 g/cm ²)

Tested Components: See component list in the last section of this report.

2 **RoHS Chemical Test**

(A) Test Result Summary:

Testing Item	Result				
	(1)	(2)	(5)	(7)	(8)
Polybrominated Biphenyls (PBBs) Content (mg/kg)					
Monobromobiphenyl (MonoBB)	ND	ND	ND	ND	ND
Dibromobiphenyl (DiBB)	ND	ND	ND	ND	ND
Tribromobiphenyl (TriBB)	ND	ND	ND	ND	ND
Tetrabromobiphenyl (TetraBB)	ND	ND	ND	ND	ND
Pentabromobiphenyl (PentaBB)	ND	ND	ND	ND	ND
Hexabromobiphenyl (HexaBB)	ND	ND	ND	ND	ND
Heptabromobiphenyl (HeptaBB)	ND	ND	ND	ND	ND
Octabromobiphenyl (OctaBB)	ND	ND	ND	ND	ND
Nonabromobiphenyl (NonaBB)	ND	ND	ND	ND	ND
Decabromobiphenyl (DecaBB)	ND	ND	ND	ND	ND
Polybrominated Diphenyl Ethers (PBDEs) Content (mg/kg)					
Monobromodiphenyl Ether (MonoBDE)	ND	ND	ND	ND	ND
Dibromodiphenyl Ether (DiBDE)	ND	ND	ND	ND	ND
Tribromodiphenyl Ether (TriBDE)	ND	ND	ND	ND	ND
Tetrabromodiphenyl Ether (TetraBDE)	ND	ND	ND	ND	ND
Pentabromodiphenyl Ether (PentaBDE)	ND	ND	ND	ND	ND
Hexabromodiphenyl Ether (HexaBDE)	ND	ND	ND	ND	ND
Heptabromodiphenyl Ether (HeptaBDE)	ND	ND	ND	ND	ND
Octabromodiphenyl Ether (OctaBDE)	ND	ND	ND	ND	ND
Nonabromodiphenyl Ether (NonaBDE)	ND	ND	ND	ND	ND

Test Report

Number: SHAH00989302

Tests Conducted

Decabromodiphenyl Ether (DecaBDE)	ND	ND	ND	ND	ND
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mg/kg = milligram per kilogram
ND = Not detected

(B) RoHS Requirement:

Restricted Substances	Limits
Cadmium (Cd)	0.01% (100 mg/kg)
Lead (Pb)	0.1% (1000 mg/kg)
Mercury (Hg)	0.1% (1000 mg/kg)
Chromium (VI) (Cr ⁶⁺)	0.1% (1000 mg/kg)
Polybrominated Biphenyls (PBBs)	0.1% (1000 mg/kg)
Polybrominated Diphenyl Ethers (PBDEs)	0.1% (1000 mg/kg)

The above limits were quoted from 2011/65/EU for homogeneous material.

(C) Test Method:

Testing Item	Testing Method	Reporting Limit
Polybrominated Biphenyls (PBBs)& Polybrominated Diphenyl Ethers (PBDEs) Content	With reference to IEC 62321-6 Edition 1.0:2015, by solvent extraction and determined by GC/MS and further HPLC confirmation when necessary	5 mg/kg

Tested Components: See component list in the last section of this report.

To be continued

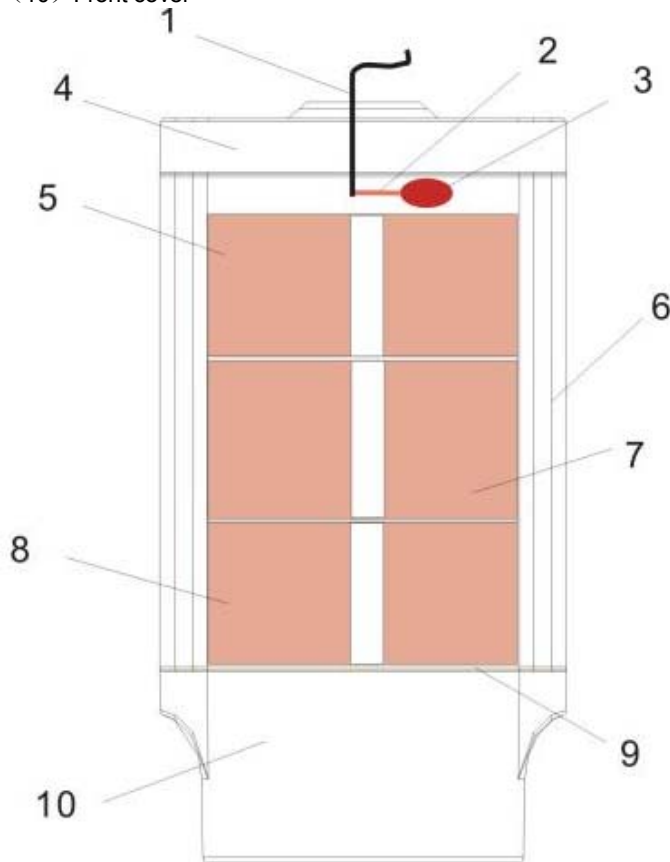
Test Report

Number: SHAH00989302

Tests Conducted

Component lists(Additional picture):

- (1a) Outlet cables-plastic
- (1b) Outlet cables-metal
- (2a) Copper conductors-plastic
- (2b) Copper conductors-metal
- (3b) Cap drivers-metal
- (4) Black cover
- (5) Smoke cartridge
- (6) Smoke tin
- (7) Smoke cartridge
- (8) Smoke cartridge
- (9) Isolating grid
- (10) Front cover



Date Sample Received: :Jul 26,2018

Testing Period: Jul 26,2018 To Aug 02,2018

To be continued

Test Report

Number: SHAH00989302

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End of report

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