

# CE RoHS TEST REPORT

For

**LED STEP LIGHT** 

Model No.: VT-1109

Applicant: V-TAC EXPORTS LIMITED

**ROOM NO.301, KAM ON BUILDING 176A QUEENS ROAD CENTRAL,** 

**CENTRAL, HONGKONG** 

Manufacturer: V-TAC EXPORTS LIMITED

**ROOM NO.301, KAM ON BUILDING 176A QUEENS ROAD CENTRAL,** 

**CENTRAL, HONGKONG** 

Issued By: Global-Standard String Service Co., Ltd.

Room 1913/1914, Noble Plaza, Qian Jin 1st Road, Bao An District, Sherzber, Guangdong, China.

Tel: +86 755 33663599

Email: Market@gststab.com

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Issued Date: September 02, 2015

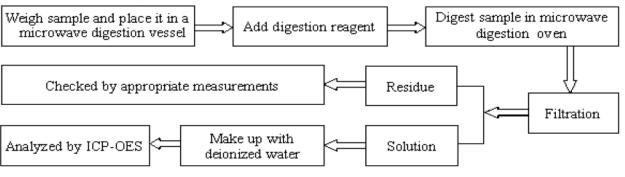
Date of Report: September 02, 2015

#### Note:

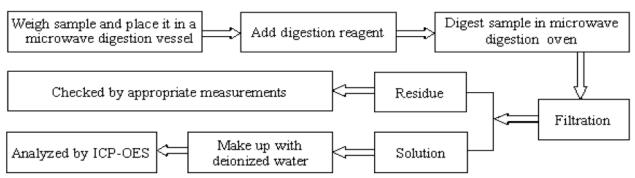
- 1. The test data and result is based on the tested sample only.
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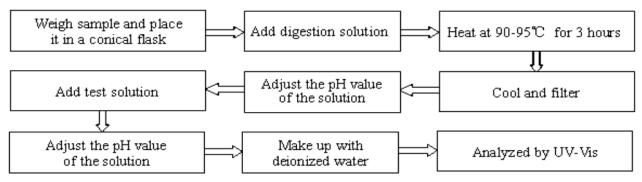
### Lead(Pb), Cadmium(Cd)



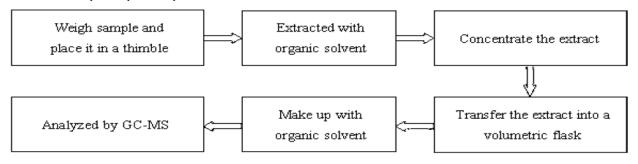
#### 2. Mercury(Hg)



# 3. Hexavalent Chromium (Cr(VI))



# 4. Polybrominated Biphenyls (PBBs), Polybrominated Diphenyl Ethers(PBDEs), HBCDD, DBP, DEHP, BBP



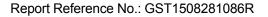


# Method Detection Limit (MDL) in wet chemical test

Test Items	Pb	Cd	Hg	PBBs & PBDEs
Unit	mg/kg	mg/kg	mg/kg	mg/kg
MDL	2	2	2	2

Result	:	Pass
Conclusion	:	An independent evaluation on the above-mentioned product(s) has been conducted pursuant to 2011/65/EU of the European Parliament and of the Council of 8 June 2011 on the restriction of the use of certain hazardous substances in electrical and electronic equipment, and conculed that the equipment under evaluation met the legislative requirements of this directive.

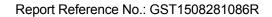






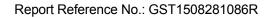
# **Test Data Summary**

SAMP LE NO.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusio n (P/F)
		Cd	Р	N.D.	<100	Р
		Cr	Р	N.D.	<1000	Р
		Hg	Р	N.D.	<1000	Р
		Pb	Р	N.D.	<1000	Р
_	Matal bady	PBBs	D	1	<1000	N/A
1	Metal body	PBDEs	D	1	<1000	N/A
		HBCDD	D	1	<1000	N/A
		DEHP	D	1	<1000	N/A
		DBP	D	1	<1000	N/A
		BBP	D	1	<1000	N/A
		Cd	Р	N.D.	<100	Р
		Cr	Р	N.D.	<1000	Р
		Hg	Р	N.D.	<1000	Р
		Pb	Р	N.D.	<1000	Р
_	LED	PBBs	D	N.D.	<1000	Р
2	LED	PBDEs	D	N.D.	<1000	Р
		HBCDD	D	N.D.	<1000	Р
		DEHP	D	N.D.	<1000	Р
		DBP	D	N.D.	<1000	Р
		BBP	D	N.D.	<1000	Р
		Cd	Р	N.D.	<100	Р
		Cr	Р	N.D.	<1000	Р
	Diffuser	Hg	Р	N.D.	<1000	Р
		Pb	Р	N.D.	<1000	Р
3		PBBs	D	N.D.	<1000	Р
3		PBDEs	D	N.D.	<1000	Р
		HBCDD	D	N.D.	<1000	Р
		DEHP	D	N.D.	<1000	Р
		DBP	D	N.D.	<1000	Р
		BBP	D	N.D.	<1000	Р
4		Cd	Р	N.D.	<100	Р
	Metal accessories	Cr	Р	N.D.	<1000	Р
		Hg	Р	N.D.	<1000	Р
		Pb	Р	N.D.	<1000	Р
		PBBs	D	1	<1000	N/A
4		PBDEs	D	1	<1000	N/A
		HBCDD	D	1	<1000	N/A
		DEHP	D	1	<1000	N/A
		DBP	D	1	<1000	N/A
		BBP	D	1	<1000	N/A





SAMP LE NO.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusio n (P/F)
		Cd	Р	N.D.	<100	Р
		Cr	Р	N.D.	<1000	Р
		Hg	Р	N.D.	<1000	Р
		Pb	Р	N.D.	<1000	Р
5	Power supply	PBBs	D	N.D.	<1000	Р
5	cord	PBDEs	D	N.D.	<1000	Р
		HBCDD	D	N.D.	<1000	Р
		DEHP	D	N.D.	<1000	Р
		DBP	D	N.D.	<1000	Р
		BBP	D	N.D.	<1000	Р
		Cd	Р	N.D.	<100	Р
		Cr	Р	N.D.	<1000	Р
		Hg	Р	N.D.	<1000	Р
		Pb	Р	N.D.	<1000	Р
6	latera el criso	PBBs	D	N.D.	<1000	Р
6	Internal wire	PBDEs	D	N.D.	<1000	Р
		HBCDD	D	N.D.	<1000	Р
		DEHP	D	N.D.	<1000	Р
		DBP	D	N.D.	<1000	Р
		BBP	D	N.D.	<1000	Р
		Cd	Р	N.D.	<100	Р
	LED	Cr	Р	N.D.	<1000	Р
		Hg	Р	N.D.	<1000	Р
		Pb	Р	N.D.	<1000	Р
_		PBBs	D	N.D.	<1000	Р
7		PBDEs	D	N.D.	<1000	Р
		HBCDD	D	N.D.	<1000	Р
		DEHP	D	N.D.	<1000	Р
		DBP	D	N.D.	<1000	Р
		BBP	D	N.D.	<1000	Р
	LED PCB	Cd	Р	N.D.	<100	Р
		Cr	Р	N.D.	<1000	Р
		Hg	Р	N.D.	<1000	Р
		Pb	Р	N.D.	<1000	Р
		PBBs	D	N.D.	<1000	Р
8		PBDEs	D	N.D.	<1000	Р
		HBCDD	D	N.D.	<1000	Р
		DEHP	D	N.D.	<1000	Р
		DBP	D	N.D.	<1000	Р
		BBP	D	N.D.	<1000	Р



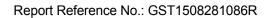


SAMP LE NO.	COMPONENTS	Item	Results of EDXRF (P/F/D)	Results of testing (mg/kg)	Chemical testing limit (mg/kg)	Conclusio n (P/F)
		Cd	Р	N.D.	<100	Р
		Cr	Р	N.D.	<1000	Р
		Hg	Р	N.D.	<1000	Р
		Pb	Р	N.D.	<1000	Р
9	Soldering tin	PBBs	D	1	<1000	N/A
9	Soldering till	PBDEs	D	1	<1000	N/A
		HBCDD	D	1	<1000	N/A
		DEHP	D	1	<1000	N/A
		DBP	D	1	<1000	N/A
		BBP	D	1	<1000	N/A
		Cd	Р	N.D.	<100	Р
		Cr	Р	N.D.	<1000	Р
		Hg	Р	N.D.	<1000	Р
		Pb	Р	N.D.	<1000	Р
40	0	PBBs	D	1	<1000	N/A
10	Screws	PBDEs	D	1	<1000	N/A
		HBCDD	D	1	<1000	N/A
		DEHP	D	1	<1000	N/A
		DBP	D	1	<1000	N/A
		BBP	D	1	<1000	N/A
		Cd	Р	N.D.	<100	Р
	Painting	Cr	Р	N.D.	<1000	Р
		Hg	Р	N.D.	<1000	Р
		Pb	Р	N.D.	<1000	Р
4.4		PBBs	D	N.D.	<1000	Р
11		PBDEs	D	N.D.	<1000	Р
		HBCDD	D	N.D.	<1000	Р
		DEHP	D	N.D.	<1000	Р
		DBP	D	N.D.	<1000	Р
		BBP	D	N.D.	<1000	Р
12	LED driver	Cd	Р	N.D.	<100	Р
		Cr	Р	N.D.	<1000	Р
		Hg	Р	N.D.	<1000	Р
		Pb	Р	N.D.	<1000	Р
		PBBs	D	N.D.	<1000	Р
		PBDEs	D	N.D.	<1000	Р
		HBCDD	D	N.D.	<1000	Р
		DEHP	D	N.D.	<1000	Р
		DBP	D	N.D.	<1000	Р
		BBP	D	N.D.	<1000	Р



#### Note:

- (1) N.D. = Not detected (<MDL)
- (2) ppm = mg/kg
- (3) N.A. = Not Analyzed
- (4) Negative = the concentration of Hexavalent Chromium extracted from 50cm<sup>2</sup> sample is less than the detection





# Appendix 1

#### Photo Documentation

Photo 1

View:

 $[\sqrt{\ }]$  Front

[] Rear

[] Right side

[] Left side

[ ] Top

[] Bottom

[] Internal

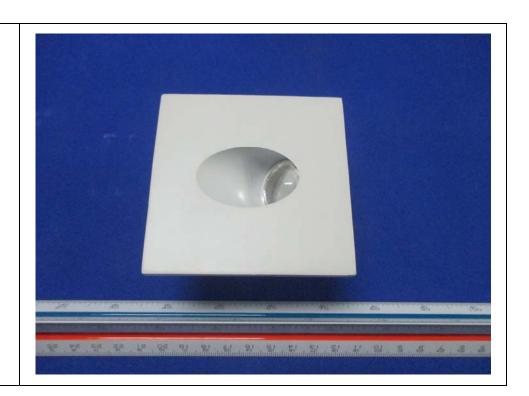


Photo 2

View:

[] Front

[√] Rear

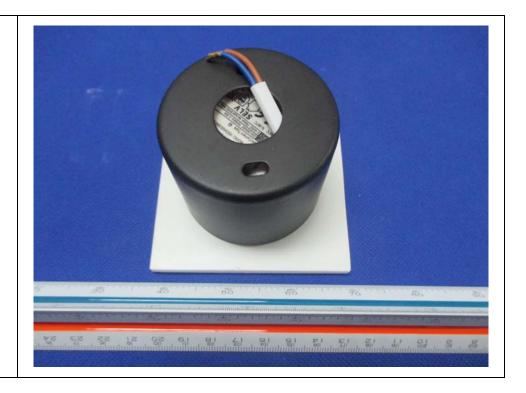
[] Right side

[ ] Left side

[] Top

[] Bottom

[] Internal





# Photo 3

View:

[] Front

[] Rear

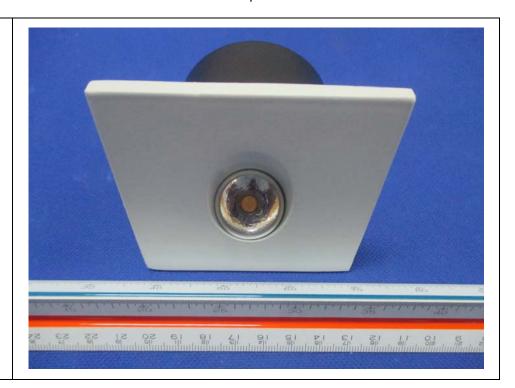
[] Right side

[] Left side

[ ] Top

[] Bottom

[√] Internal



# Photo 4

View:

[] Front

[] Rear

[] Right side

[] Left side

[] Top

[] Bottom

[√] Internal

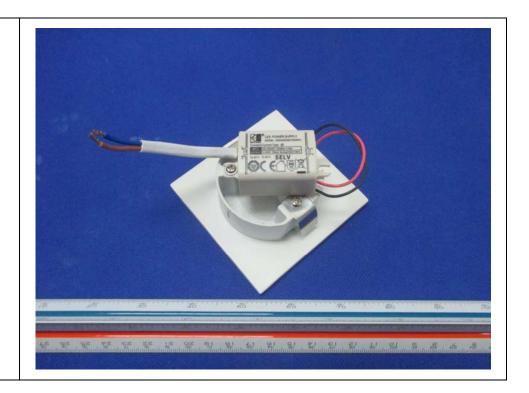




Photo	5	
View:		
[]	Front	
[]	Rear	BLED POWER SUPPLY MODEL: KEDH003S0700NR01
[]	Right side	Constant Current Type
[]	Left side	INPUT 220-240VAC 50/60Hz 0.06A  OUTPUT 2-4VDC 700mA No load 8VDC MAX.
[]	Тор	Ta:50°C Tc:85°C SELV
[]	Bottom	C C C C C C C C C C C C C C C C C C C
[√]	Internal	

---END---