

# CE RoHS TEST REPORT

For

### **LED SPOTLIGHT**

Model No.: VT-1805, VT-1817, VT-1824, VT-1825, VT-1834, VT-1835, VT-

1836, VT-1837, VT-1839, VT-1840, VT-1892, VT-1967, VT-1977,

VT-257, VT-267

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

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Report Number: J00.06.0004R-R1

Issued Date: May 07, 2018

Date of Report: May 07, 2018

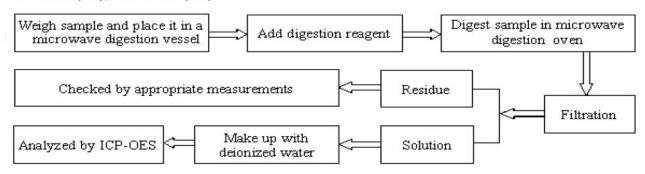
#### Note:

- 1 The test data and result is based on the tested sample only.
- 2 Please verify information in the report on GST web: <a href="www.gstslab.com">www.gstslab.com</a> through report number.
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- 4 This report is based on report J00.06.0004R dated January 12, 2016.

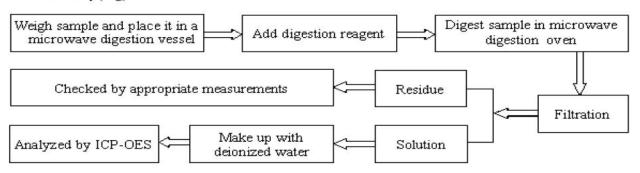


### **Test process**

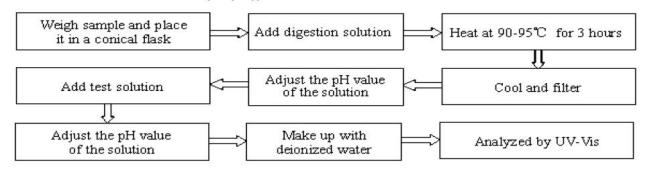
### 1. Lead(Pb), Cadmium(Cd)



### 2. Mercury(Hg)



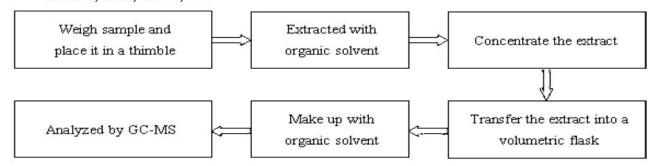
# 3. Hexavalent Chromium (Cr(VI))





Report Reference No.: J00.06.0004R-R1

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

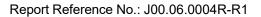


# Method Detection Limit (MDL) in wet chemical test

| 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<br>LE NO. | COMPONENTS        | Item  | Results of<br>EDXRF<br>(P/F/D) | Results of testing (mg/kg) | Chemical<br>testing<br>limit<br>(mg/kg) | Conclusio<br>n<br>(P/F) |
|----------------|-------------------|-------|--------------------------------|----------------------------|---|-------------------------|
| 1              | GU10 Lamp cap     | 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                              | 1                          | <1000                                   | Р                       |
|                |                   | PBDEs | D                              | 1                          | <1000                                   | Р                       |
|                |                   | HBCDD | D                              | 1                          | <1000                                   | Р                       |
|                |                   | DEHP  | D                              | 1                          | <1000                                   | Р                       |
|                |                   | DBP   | D                              | 1                          | <1000                                   | Р                       |
|                |                   | BBP   | D                              | 1                          | <1000                                   | Р                       |
| 2              | LED lampshade     | Cd    | Р                              |                            | <100                                    | Р                       |
|                |                   | Cr    | Р                              | 1                          | <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                       |
| 3              | Plastic enclosure | 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                       |
| 4              | Lamp base         | Cd    | Р                              | N.D.                       | <100                                    | Р                       |
|                |                   | Cr    | Р                              | 1                          | <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                       |

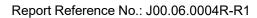




| 5 | PCB           | Cd    | Р | N.D. | <100  | Р |
|---|---------------|-------|---|------|-------|---|
|   |               | Cr    | Р | N.D. | <1000 | Р |
|   |               | Hg    | Р | N.D. | <1000 | Р |
|   |               | Pb    | Р | N.D. | <1000 | Р |
|   |               | PBBs  | D | N.D. | <1000 | Р |
|   |               | 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 |
| 6 | LED body      | 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 |
| 7 | Internal wire | Cd    | Р | N.D. | <100  | Р |
|   |               | Cr    | Р | N.D. | <1000 | Р |
|   |               | Hg    | Р | N.D. | <1000 | Р |
|   |               | Pb    | P | 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 limit.





# Appendix 1

# **Photo Documentation**

| Photo<br>View:                           |   |  |
|--|---|--|
| [\frac{1}{3}] [] [] [] [] [] [] [] [] [] | Front Rear Right side Left side Top Bottom Internal |  |
|  |   |  |

| Photo View: [√] [] | 2<br>Front<br>Rear |  |
|--------------------|--------------------|--|
| []                 | Right side         |  |
| []                 | Left side          |  |
| []                 | Тор                |  |
| []                 | Bottom             |  |
| []                 | Internal           |  |

END.