



CE RoHS TEST REPORT

For

TOUCH SWITCHES

Model No.: VT-5711, VT-5811, VT-5111, VT-5112, VT-5131, VT-5132, VT-5133,
VT-5143, VT-5121, VT-5311, VT-5411, VT-542

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 : GST.190416.A004R

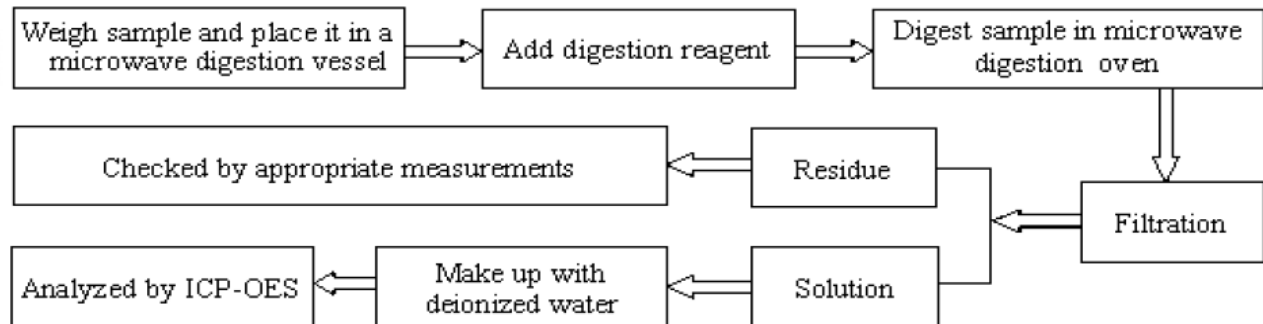
Issued Date : April 24, 2019

Date of Report : April 24, 2019

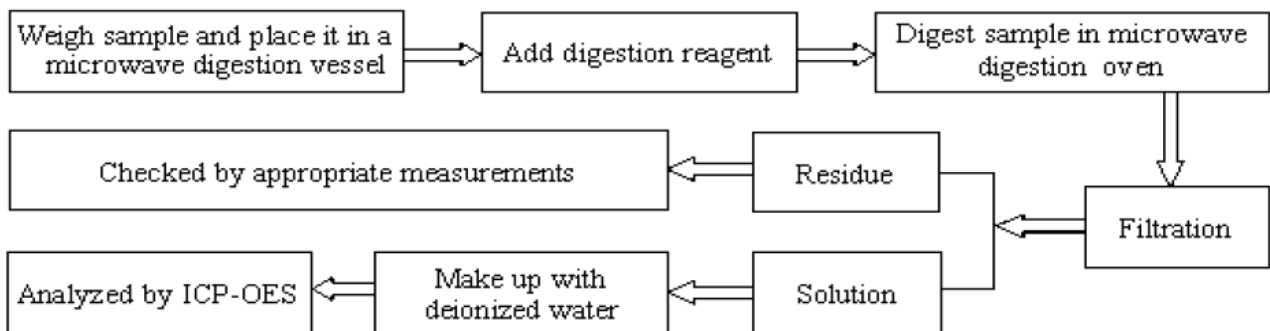
Note:

1. The test data and result is based on the tested sample only.
2. Please verify information in the report on GST web: www.gstslab.com through report number.
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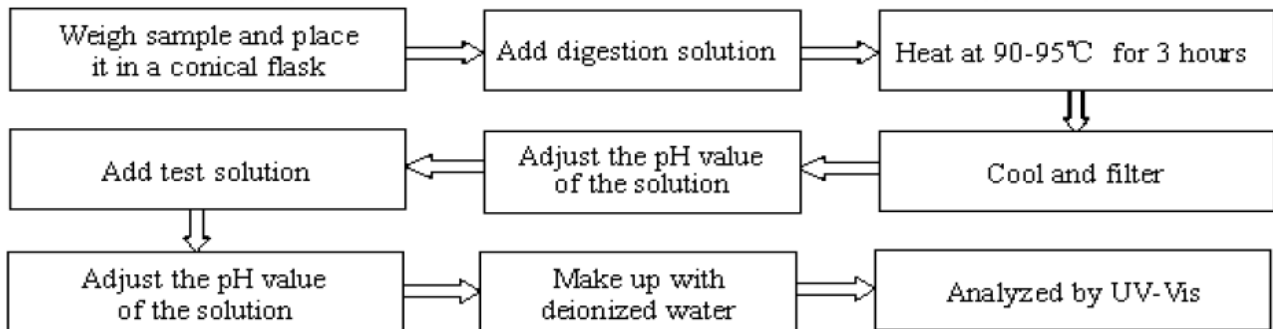
1. Lead(Pb), Cadmium(Cd)



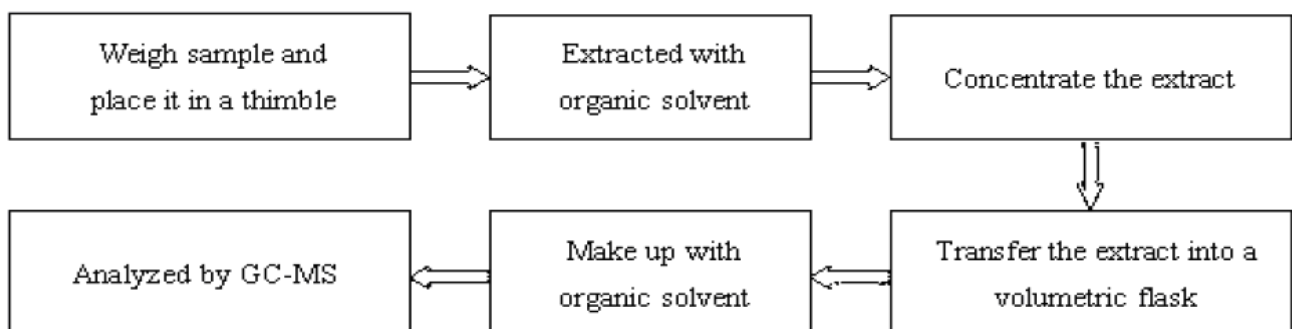
2. Mercury(Hg)



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 and (EN)2015/863 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 concluded that the equipment under evaluation met the legislative requirements of this directive. |



Test Data Summary:

| SAMPLE NO. | COMPONENTS | Item | Results of EDXRF (P/F/D) | Results of testing(mg/kg) | Chemical testing limit (mg/kg) | Conclusion (P/F) |
|------------|-------------------|-------|--------------------------|---------------------------|--------------------------------|------------------|
| 1 | Plastic enclosure | Cd | P | N.D. | <100 | P |
| | | Cr | P | N.D. | <1000 | P |
| | | Hg | P | N.D. | <1000 | P |
| | | Pb | P | N.D. | <1000 | P |
| | | PBBs | D | N.D. | <1000 | P |
| | | PBDEs | D | N.D. | <1000 | P |
| | | HBCDD | D | N.D. | <1000 | P |
| | | DEHP | D | N.D. | <1000 | P |
| | | DBP | D | N.D. | <1000 | P |
| | | BBP | D | N.D. | <1000 | P |
| 2 | PCB | Cd | P | N.D. | <100 | P |
| | | Cr | P | N.D. | <1000 | P |
| | | Hg | P | N.D. | <1000 | P |
| | | Pb | P | N.D. | <1000 | P |
| | | PBBs | D | N.D. | <1000 | P |
| | | PBDEs | D | N.D. | <1000 | P |
| | | HBCDD | D | N.D. | <1000 | P |
| | | DEHP | D | N.D. | <1000 | P |
| | | DBP | D | N.D. | <1000 | P |
| | | BBP | D | N.D. | <1000 | P |
| 3 | Screws | Cd | P | N.D. | <100 | P |
| | | Cr | P | N.D. | <1000 | P |
| | | Hg | P | N.D. | <1000 | P |
| | | Pb | P | N.D. | <1000 | P |
| | | PBBs | D | / | <1000 | N.A. |
| | | PBDEs | D | / | <1000 | N.A. |
| | | HBCDD | D | / | <1000 | N.A. |
| | | DEHP | D | / | <1000 | N.A. |
| | | DBP | D | / | <1000 | N.A. |
| | | BBP | D | / | <1000 | N.A. |
| 4 | Resistor | Cd | P | N.D. | <100 | P |
| | | Cr | P | N.D. | <1000 | P |
| | | Hg | P | N.D. | <1000 | P |
| | | Pb | P | N.D. | <1000 | P |
| | | PBBs | D | N.D. | <1000 | P |
| | | PBDEs | D | N.D. | <1000 | P |
| | | HBCDD | D | N.D. | <1000 | P |
| | | DEHP | D | N.D. | <1000 | P |
| | | DBP | D | N.D. | <1000 | P |
| | | BBP | D | N.D. | <1000 | P |

| SAMPLE NO. | COMPONENTS | Item | Results of EDXRF (P/F/D) | Results of testing(mg/kg) | Chemical testing limit (mg/kg) | Conclusion (P/F) |
|------------|---------------|-------|--------------------------|---------------------------|--------------------------------|------------------|
| 5 | Capacitors | Cd | P | N.D. | <100 | P |
| | | Cr | P | N.D. | <1000 | P |
| | | Hg | P | N.D. | <1000 | P |
| | | Pb | P | N.D. | <1000 | P |
| | | PBBs | D | N.D. | <1000 | P |
| | | PBDEs | D | N.D. | <1000 | P |
| | | HBCDD | D | N.D. | <1000 | P |
| | | DEHP | D | N.D. | <1000 | P |
| | | DBP | D | N.D. | <1000 | P |
| | | BBP | D | N.D. | <1000 | P |
| 6 | IC | Cd | P | N.D. | <100 | P |
| | | Cr | P | N.D. | <1000 | P |
| | | Hg | P | N.D. | <1000 | P |
| | | Pb | P | N.D. | <1000 | P |
| | | PBBs | D | N.D. | <1000 | P |
| | | PBDEs | D | N.D. | <1000 | P |
| | | HBCDD | D | N.D. | <1000 | P |
| | | DEHP | D | N.D. | <1000 | P |
| | | DBP | D | N.D. | <1000 | P |
| | | BBP | D | N.D. | <1000 | P |
| 7 | Diodes | Cd | P | N.D. | <100 | P |
| | | Cr | P | N.D. | <1000 | P |
| | | Hg | P | N.D. | <1000 | P |
| | | Pb | P | N.D. | <1000 | P |
| | | PBBs | D | N.D. | <1000 | P |
| | | PBDEs | D | N.D. | <1000 | P |
| | | HBCDD | D | N.D. | <1000 | P |
| | | DEHP | D | N.D. | <1000 | P |
| | | DBP | D | N.D. | <1000 | P |
| | | BBP | D | N.D. | <1000 | P |
| 8 | Soldering tin | Cd | P | N.D. | <100 | P |
| | | Cr | P | N.D. | <1000 | P |
| | | Hg | P | N.D. | <1000 | P |
| | | Pb | P | N.D. | <1000 | P |
| | | PBBs | D | / | <1000 | N.A. |
| | | PBDEs | D | / | <1000 | N.A. |
| | | HBCDD | D | / | <1000 | N.A. |
| | | DEHP | D | / | <1000 | N.A. |
| | | DBP | D | / | <1000 | N.A. |
| | | BBP | D | / | <1000 | N.A. |

| SAMPLE NO. | COMPONENTS | Item | Results of EDXRF (P/F/D) | Results of testing(mg/kg) | Chemical testing limit (mg/kg) | Conclusion (P/F) |
|------------|---------------------------|-------|--------------------------|---------------------------|--------------------------------|------------------|
| 9 | Internal wire | Cd | P | N.D. | <100 | P |
| | | Cr | P | N.D. | <1000 | P |
| | | Hg | P | N.D. | <1000 | P |
| | | Pb | P | N.D. | <1000 | P |
| | | PBBs | D | N.D. | <1000 | P |
| | | PBDEs | D | N.D. | <1000 | P |
| | | HBCDD | D | N.D. | <1000 | P |
| | | DEHP | D | N.D. | <1000 | P |
| | | DBP | D | N.D. | <1000 | P |
| | | BBP | D | N.D. | <1000 | P |
| 10 | Other plastic accessories | Cd | P | N.D. | <100 | P |
| | | Cr | P | N.D. | <1000 | P |
| | | Hg | P | N.D. | <1000 | P |
| | | Pb | P | N.D. | <1000 | P |
| | | PBBs | D | N.D. | <1000 | P |
| | | PBDEs | D | N.D. | <1000 | P |
| | | HBCDD | D | N.D. | <1000 | P |
| | | DEHP | D | N.D. | <1000 | P |
| | | DBP | D | N.D. | <1000 | P |
| | | BBP | D | N.D. | <1000 | P |
| 11 | Other metal accessories | Cd | P | N.D. | <100 | P |
| | | Cr | P | N.D. | <1000 | P |
| | | Hg | P | N.D. | <1000 | P |
| | | Pb | P | N.D. | <1000 | P |
| | | PBBs | D | / | <1000 | P |
| | | PBDEs | D | / | <1000 | P |
| | | HBCDD | D | / | <1000 | P |
| | | DEHP | D | / | <1000 | P |
| | | DBP | D | / | <1000 | P |
| | | BBP | D | / | <1000 | P |

Note:

(1) N.D. = Not detected (<MDL)

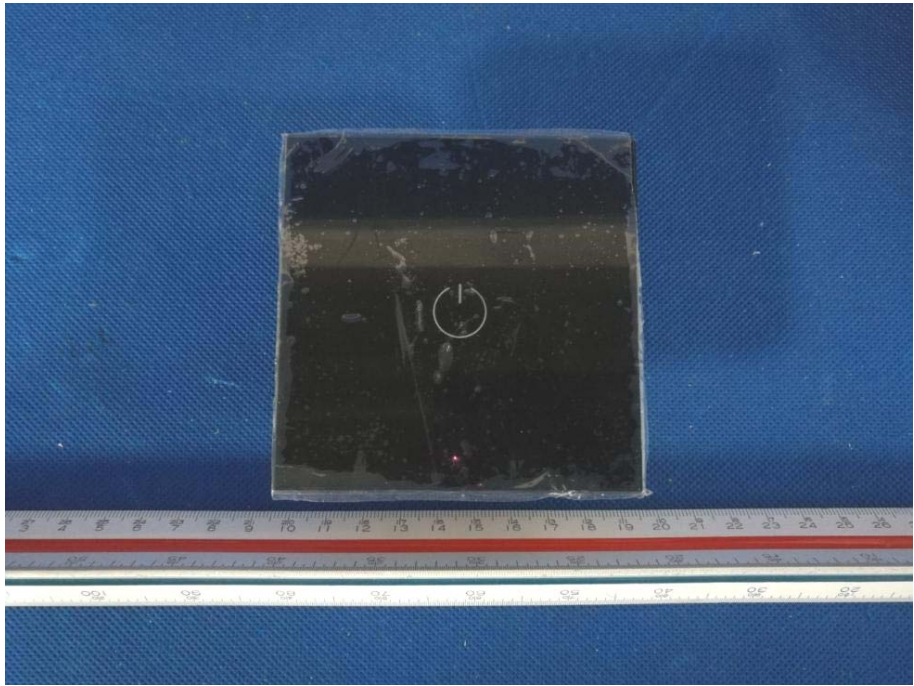
(2) ppm = mg/kg

(3) N.A. = Not Analyzed

(4) Negative = the concentration of Hexavalent Chromium extracted from 50cm² sample is less than the detection limit.

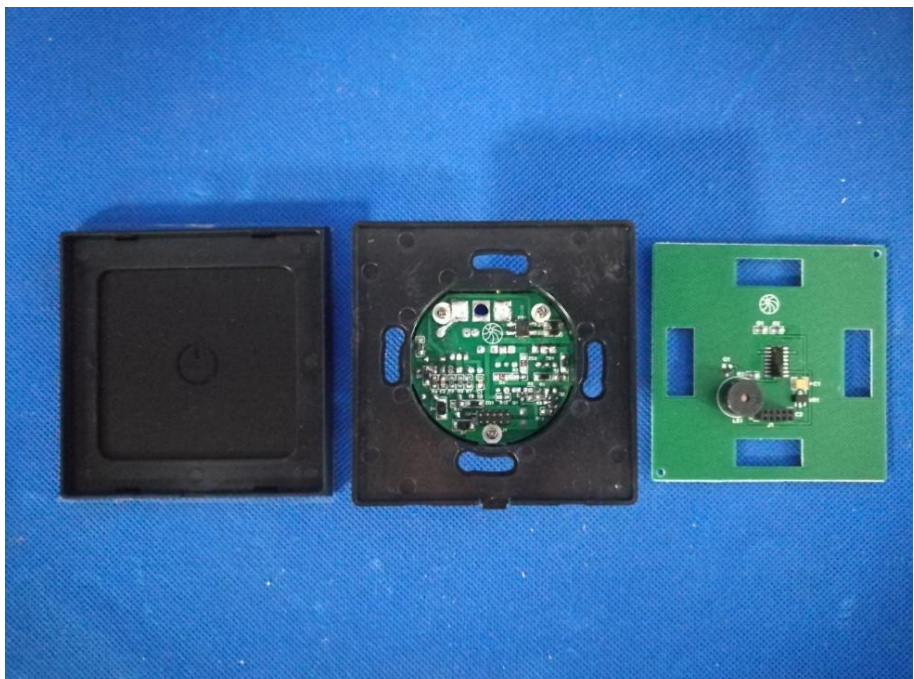
Appendix 1

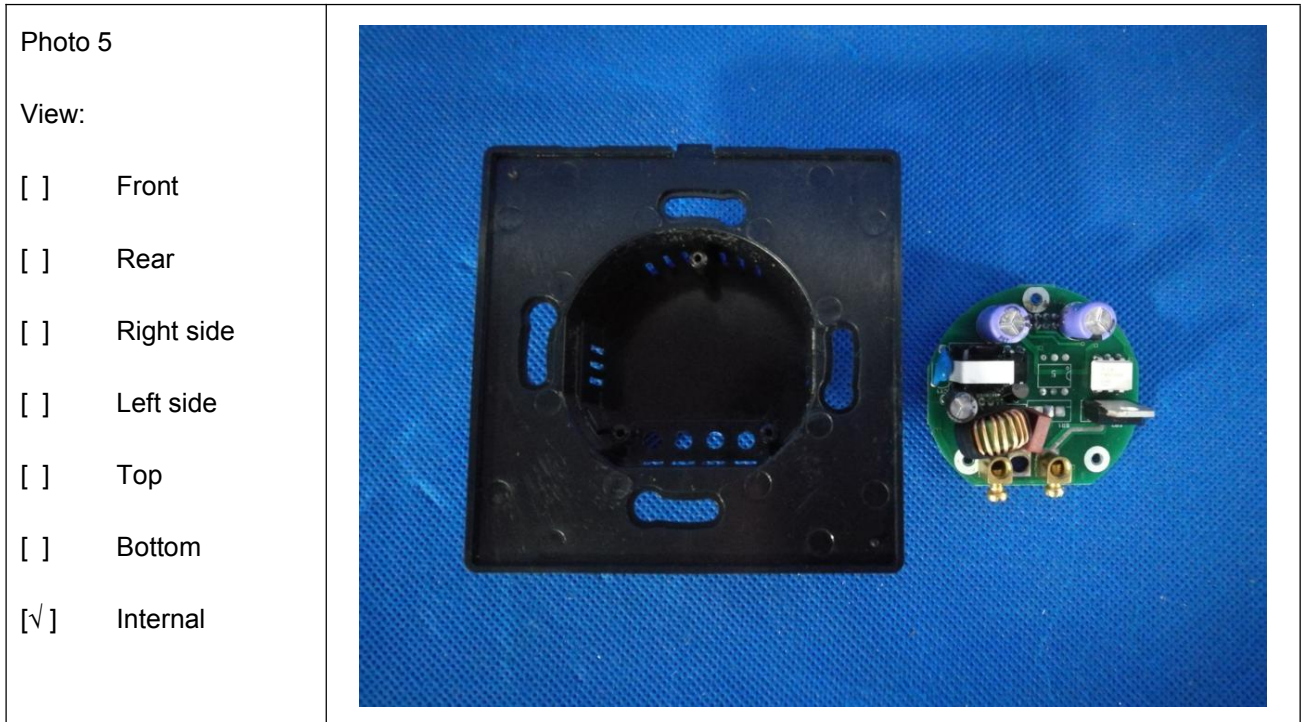
Photo Documentation

| | |
|--|---|
| <p>Photo 1</p> <p>View:</p> <p><input checked="" type="checkbox"/> Front</p> <p><input type="checkbox"/> Rear</p> <p><input type="checkbox"/> Right side</p> <p><input type="checkbox"/> Left side</p> <p><input type="checkbox"/> Top</p> <p><input type="checkbox"/> Bottom</p> <p><input type="checkbox"/> Internal</p> |  |
|--|---|

| | |
|--|--|
| <p>Photo 2</p> <p>View:</p> <p><input type="checkbox"/> Front</p> <p><input checked="" type="checkbox"/> Rear</p> <p><input type="checkbox"/> Right side</p> <p><input type="checkbox"/> Left side</p> <p><input type="checkbox"/> Top</p> <p><input type="checkbox"/> Bottom</p> <p><input type="checkbox"/> Internal</p> |  |
|--|--|

| | |
|--|---|
| <p>Photo 3</p> <p>View:</p> <p><input type="checkbox"/> Front</p> <p><input type="checkbox"/> Rear</p> <p><input type="checkbox"/> Right side</p> <p><input type="checkbox"/> Left side</p> <p><input type="checkbox"/> Top</p> <p><input type="checkbox"/> Bottom</p> <p><input checked="" type="checkbox"/> Internal</p> |  |
|--|---|

| | |
|--|--|
| <p>Photo 4</p> <p>View:</p> <p><input type="checkbox"/> Front</p> <p><input type="checkbox"/> Rear</p> <p><input type="checkbox"/> Right side</p> <p><input type="checkbox"/> Left side</p> <p><input type="checkbox"/> Top</p> <p><input type="checkbox"/> Bottom</p> <p><input checked="" type="checkbox"/> Internal</p> |  |
|--|--|



---END---