



RoHS TEST REPORT

For

LED TRACK LIGHT

Model No.: VT-4635, VT-4615, VT-4537, VT-4528, VT-4512, VT-4735

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 : J02.06.0194R

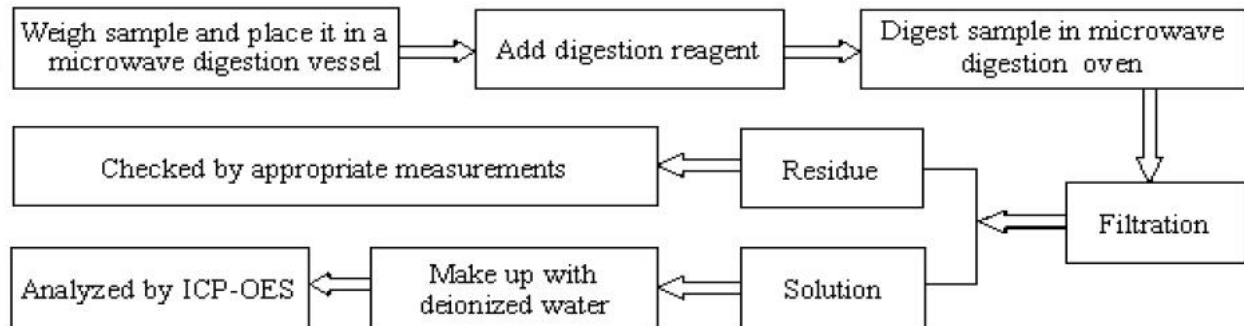
Issued Date : July 11, 2017

Date of Report : July 11, 2017

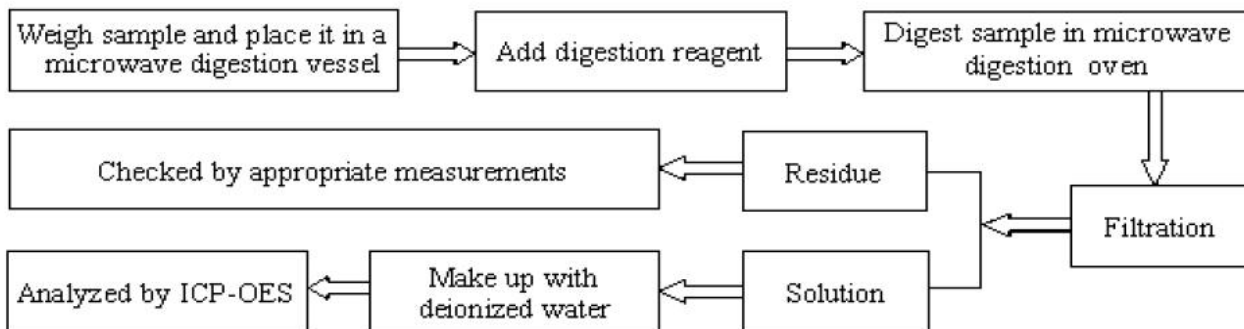
Note:

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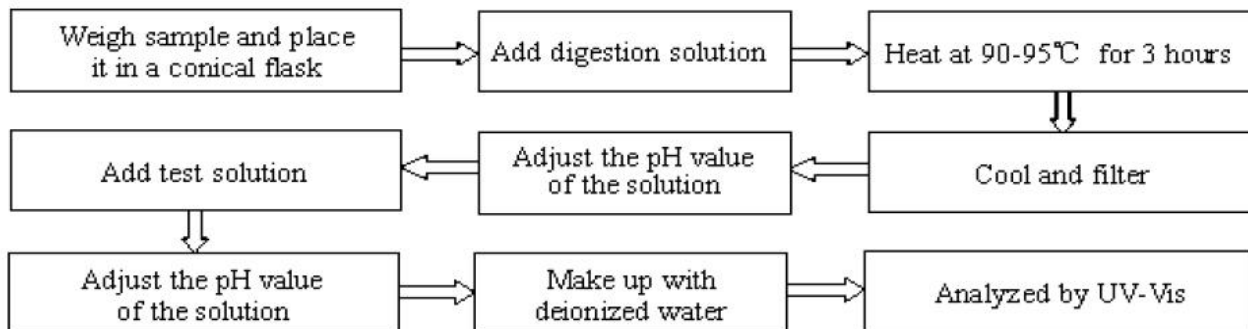
1. Lead(Pb), Cadmium(Cd)



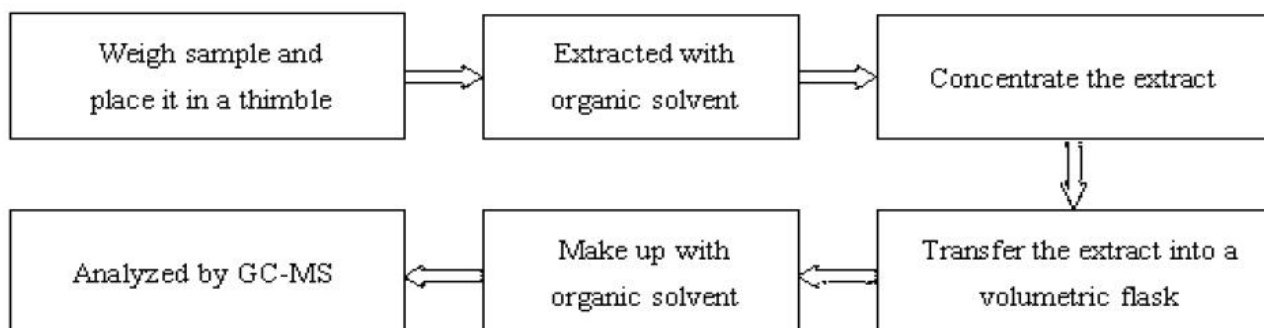
2. Mercury(Hg)



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 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 | Diffuser | 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 | Plastic enclosure | Cd | P | / | <100 | N.A. |
| | | Cr | P | / | <1000 | N.A. |
| | | Hg | P | / | <1000 | N.A. |
| | | Pb | P | / | <1000 | N.A. |
| | | 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 | Metal 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 |
| 4 | Label | 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 |

| 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) |
|----------------|---------------|-------|--------------------------------|------------------------------|---|-------------------------|
| 5 | LED | 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 | LED 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 |
| 7 | 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 |
| 8 | Glass | 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 |

| 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) |
|-------------|-------------|-------|--------------------------|---------------------------|--------------------------------|-------------------|
| 9 | Fiber pipe | 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 |
| 10 | 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. |
| 11 | Nut | 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. |
| 12 | Metal sheet | 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. | | |

| 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) |
|-------------|---------------|-------|--------------------------|---------------------------|--------------------------------|-------------------|
| 13 | Spring | 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. |
| 14 | Glue | 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 |
| 15 | Bandage | Cd | P | / | <100 | N.A. |
| | | Cr | P | / | <1000 | N.A. |
| | | Hg | P | / | <1000 | N.A. |
| | | Pb | P | / | <1000 | N.A. |
| | | 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 |
| 16 | PCB of driver | 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 | | |

| 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) |
|-------------|------------|-------|--------------------------|---------------------------|--------------------------------|-------------------|
| 17 | Connector | 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 |
| 18 | Fuse | 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 |
| 19 | 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 |
| 20 | Inductance | 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 |

| 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) |
|----------------|------------|-------|--------------------------------|------------------------------|---|-------------------------|
| 21 | Varistor | 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 |
| 22 | Rectifier | 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 |
| 23 | Triode | 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 |
| 24 | 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 | | |

| 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) |
|----------------|-----------------------------------|-------|--------------------------------|------------------------------|---|-------------------------|
| 25 | 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 |
| 26 | Transformer | 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 |
| 27 | Insulation tape of Transformer | 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 |
| 28 | 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 | | |

| 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) |
|----------------|---------------|-------|--------------------------------|------------------------------|---|-------------------------|
| 29 | NTC | 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 |
| 30 | 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. |
| 31 | 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 | | |

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 type="checkbox"/> Rear</p> <p><input checked="" 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> |  |
|--|--|

| | |
|--|---|
| Photo 5 |  |
| View: | |
| <input type="checkbox"/> Front | |
| <input type="checkbox"/> Rear | |
| <input type="checkbox"/> Right side | |
| <input type="checkbox"/> Left side | |
| <input type="checkbox"/> Top | |
| <input checked="" type="checkbox"/> Bottom | |
| <input checked="" type="checkbox"/> Internal | |

--END.--