



Test Report

Number: SZHH0076494804

Applicant: SHENZHEN NEW DONG BO METAL PRODUCTS
NO.7, XINFENG ROAD, NIANFENG VILLAGE,
PINGDI TOWN, LONGGANG DISTRICT,
SHENZHEN CITY

Date: Feb 28, 2013

Attn: LIU YUAN JUN

Sample Description:

One (1) submitted sample said to be :
Gold color metal spring (SWC+Gold).
Heat No.: S172011498.
Lot No.: 20130218B02-01.
Factory : New Dong Bo.



Tests conducted:

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

Conclusion:

| <u>Tested Samples</u> | <u>Standard</u> | <u>Result</u> |
|-----------------------|--|---------------|
| Submitted sample | Restriction of the use of certain hazardous substance in electrical and electronic equipment (RoHS Directive 2011/65/EU) | Pass |

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.

Ben N.L. Lin
General Manager



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RoHS Chemical Test

(A) Test Result Summary:

| Testing Item | Result |
|---|------------------|
| Cadmium (Cd) Content (mg/kg) | ND(<2) |
| Lead (Pb) Content (mg/kg) | ND(<2) |
| Mercury (Hg) Content (mg/kg) | ND(<2) |
| Chromium (VI)(Cr ⁶⁺) Result (By Boiling Water Extraction on Metal)(mg/kg with 50cm ²) | Negative (<0.02) |

Chemist: Wang Haijun

mg/kg with 50cm² = milligram per kilogram with 50 square centimetre
ND = Not detected

Positive = A positive test result indicated the presence of Cr(VI) at the time of testing, equal to or greater than threshold of 1 mg/kg for spot test procedure or 0.02 mg/kg for boiling-water-extraction procedures with a sample surface area of 50cm² used. However, it shall not be interpreted as the Cr(VI) concentration in the coating layer of the sample and should not be used as a method detection limit for this qualitative test.

Negative = A negative test result indicated above positive observation was not found at the time of testing. When the spot-test showed a negative result, the boiling-water-extraction procedure shall be used to verify the result.

(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 2011/65/EU for homogeneous material.



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(C) Test Method:

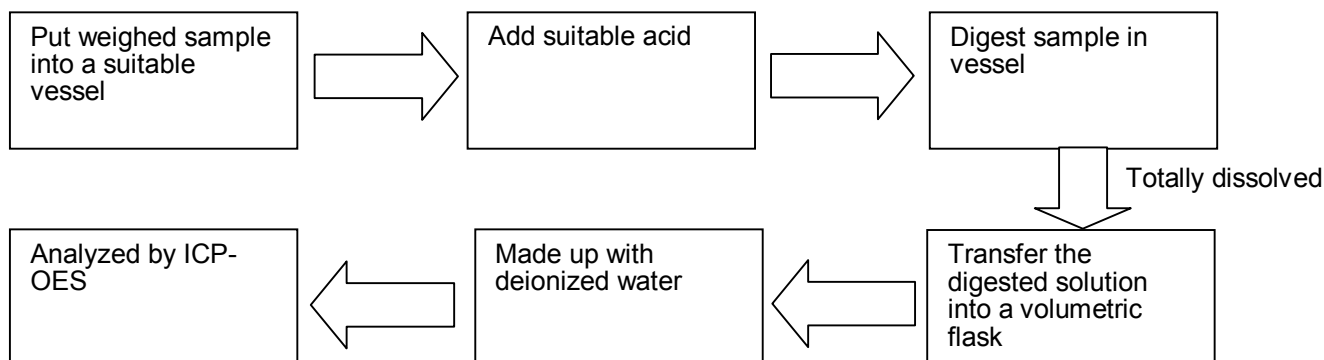
| Testing Item | Testing Method | Reporting Limit |
|---|--|---|
| Cadmium (Cd) Content | With reference to IEC 62321 Edition 1.0:2008, by acid digestion and determined by ICP - OES | 2 mg/kg |
| Lead (Pb) Content | With reference to IEC 62321 Edition 1.0:2008, by acid digestion and determined by ICP - OES | 2 mg/kg |
| Mercury (Hg) Content | With reference to IEC 62321 Edition 1.0:2008, by acid digestion and determined by ICP - OES | 2 mg/kg |
| Chromium (VI) (Cr ⁶⁺) Content | With reference to IEC 62321 Edition 1.0:2008, by boiling water extraction and determined by UV-VIS Spectrophotometer | Positive/Negative (Threshold of 0.02mg/kg with 50cm ²) |

Date sample received : Feb 25, 2013

Testing period : Feb 25, 2013 to Feb 28, 2013

(D) Measurement Flowchart:

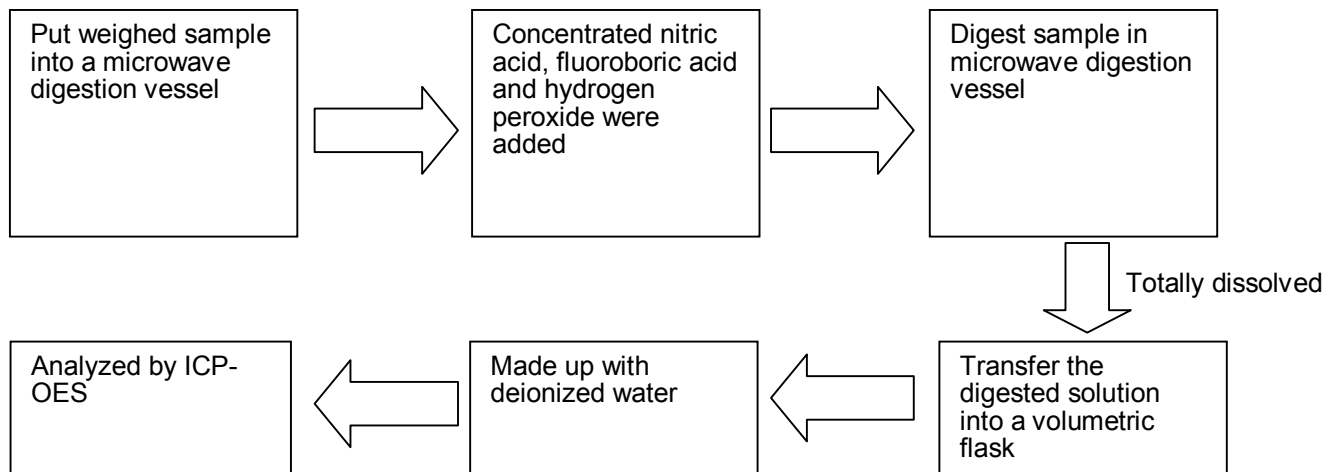
1. Test for Cd/Pb Contents



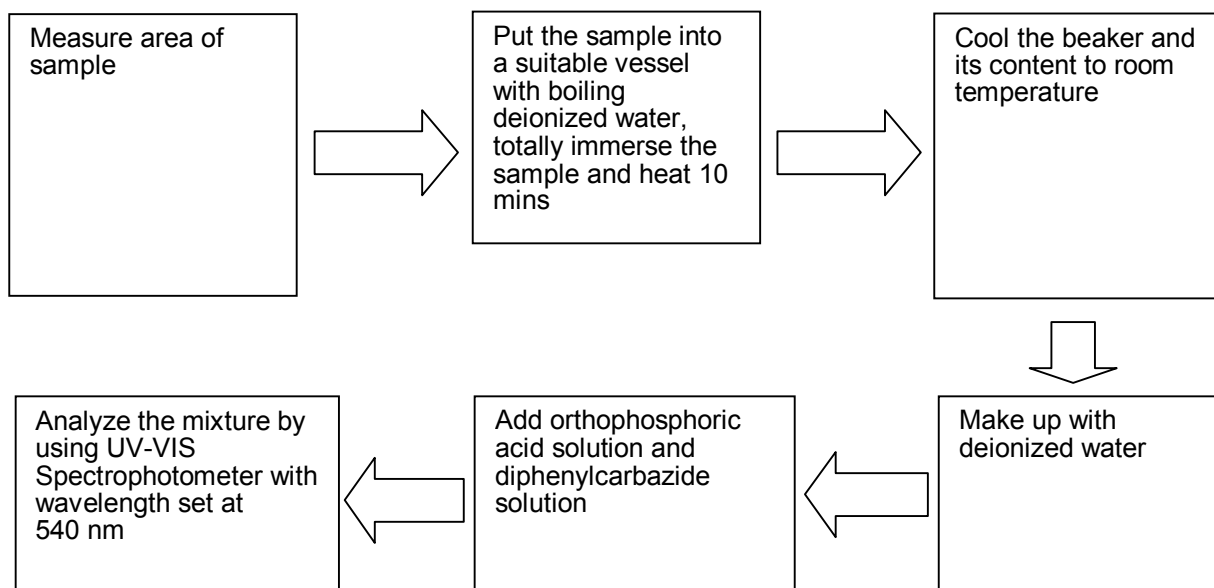


Tests Conducted

2. Test for Hg Content



3. Test for Chromium (VI) (Cr⁶⁺) Content (Boiling Water Extraction)



End of report

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