



Test Report No. F690101/LF-CTSAYAA14-19855

Issued Date : 2014. 04. 17

Page 1 of 3

ELECTRONIC BOLT METAL

15,Gyeongin-ro 53 gil
Guro-gu,Seoul
Korea

The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No. : AYAA14-19855
Product Name : PCB SUPPORT
Item No./Part No. : N/A
Buyer(s) : SAMSUNG,LG
Received Date : 2014. 04. 14
Test Period : 2014. 04. 15 to 2014. 04. 17
Test Results : For further details, please refer to following page(s)

SGS Korea Co., Ltd.

Jeff Jang / Chemical Lab Mgr

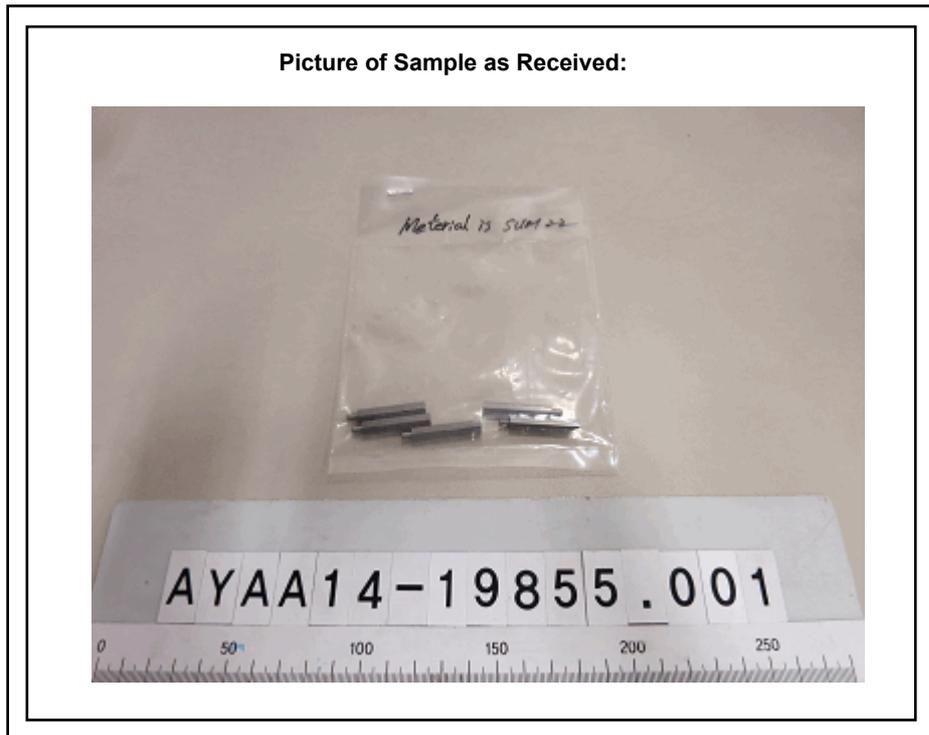
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Sample No. : AYAA14-19855.001
Sample Description : PCB SUPPORT
Item No./Part No. : N/A
Materials : Material is SUM22

Heavy Metals

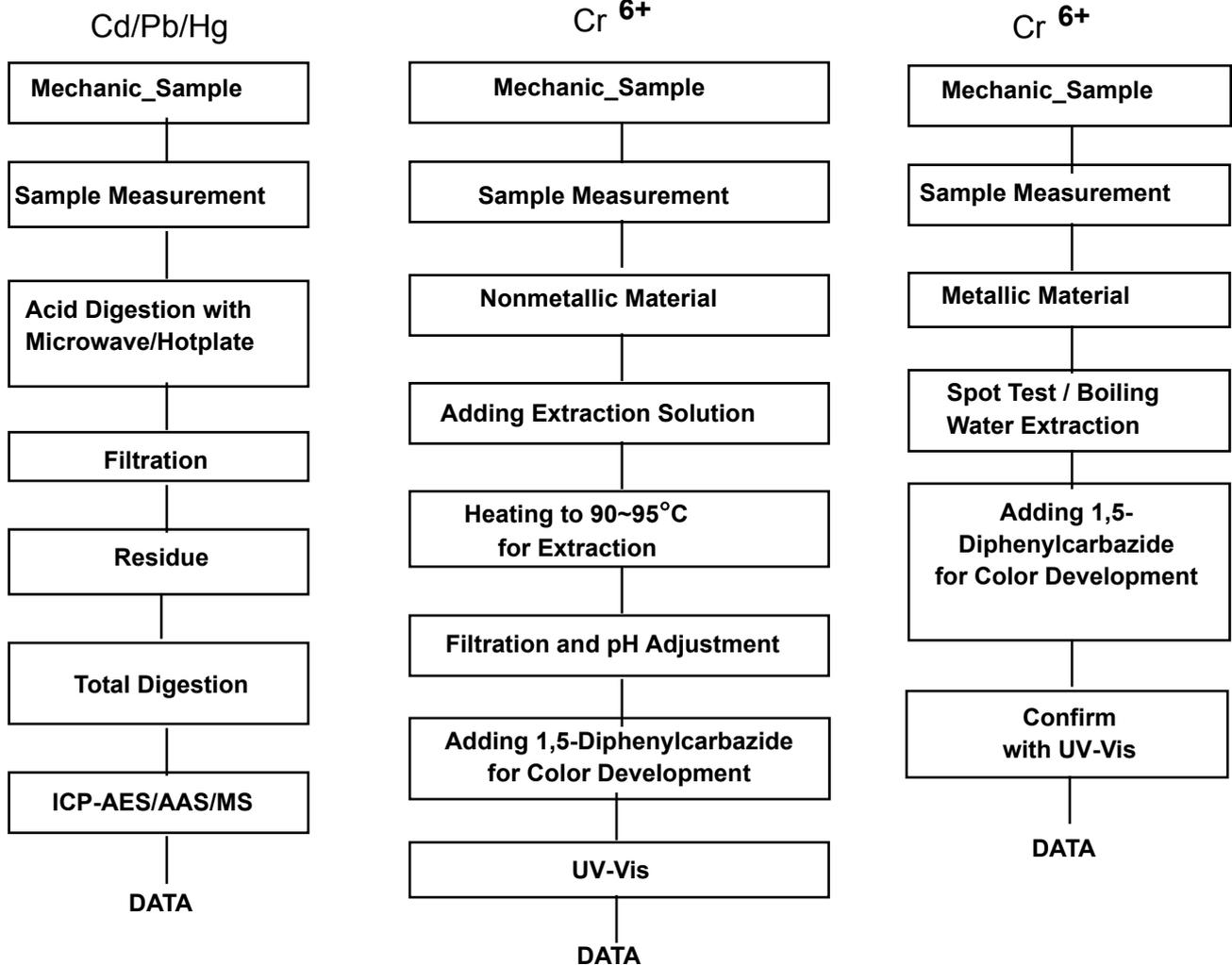
| Test Items | Unit | Test Method | MDL | Results |
|--|-------|---------------------------------------|-----|----------|
| Cadmium (Cd) | mg/kg | With reference to IEC 62321:2013, ICP | 0.5 | N.D. |
| Lead (Pb) | mg/kg | With reference to IEC 62321:2013, ICP | 5 | N.D. |
| Mercury (Hg) | mg/kg | With reference to IEC 62321:2013, ICP | 2 | N.D. |
| Hexavalent Chromium (Cr VI) By boiling water extraction* | ** | With reference to IEC 62321:2008 | - | Negative |

- NOTE:
- (1) N.D. = Not detected.(<MDL)
 - (2) mg/kg = ppm
 - (3) MDL = Method Detection Limit
 - (4) - = No regulation
 - (5) Negative = Undetectable / Positive = Detectable
 - (6) ** = Qualitative analysis (No Unit)
 - (7) * = Boiling-water-extraction:
 Negative = Absence of CrVI coating
 Positive = Presence of CrVI coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm2 sample surface area.



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Testing Flow Chart for RoHS:Cd/Pb/Hg/Cr⁶⁺ Testing



The samples were dissolved totally by pre-conditioning method according to above flow chart for Cd,Pb,Hg.

Section Chief : Gilsae Yi

*** End of Report ***