

Test Report No. F690101/LF-CTSAYAA13-01224

To: DAE DUCK CHEMICAL

178-145 Gajwa-dong Seo-gu Incheon Korea

The following merchandise was submitted and identified by the client as:

SGS File No. : AYAA13-01224

Product Name : Sn Solution

Item No./Part No. : N/A

Received Date : 2013. 01. 09

Test Period : 2013. 01. 10 to 2013. 01. 14

Test Results : For further details, please refer to following page(s)

Test Performed : SGS Korea tested the sample(s) selected by applicant with following results.

Timothy Jeon Jinhee Kim Cindy Park

Jerry Jung/ Testing Person

SGS Korea Co., Ltd.

Issued Date: 2013. 01. 14

Page 1 of 3

Jeff Jang / Chemical Lab Mgr



Test Report No. F690101/LF-CTSAYAA13-01224

Sample No. : AYAA13-01224.001

Sample Description : Sn Solution

Item No./Part No. : N/A
Materials : N/A

Heavy Metals

Test Items	Unit	Test Method	MDL	Results
Cadmium (Cd)	mg/kg	With reference to IEC 62321:2008, ICP	0.5	N.D.
Lead (Pb)	mg/kg	With reference to IEC 62321:2008, ICP	5	N.D.
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, ICP	2	N.D.
Hexavalent Chromium (Cr VI)	mg/kg	With reference to IEC 62321:2008, UV-VIS	1	N.D.



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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Issued Date: 2013. 01. 14

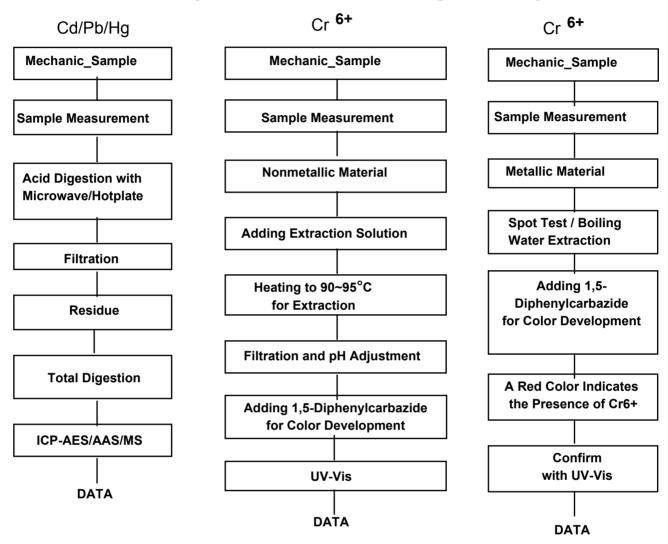
Page 2 of 3



Test Report No. F690101/LF-CTSAYAA13-01224

Issued Date: 2013. 01. 14 Page 3 of 3

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 ***

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