



Test Report No. F690101/LF-CTSAYAA12-30019

Issued Date: 2012. 08. 17 Page 1 of 3

To: **SHINWON METAL CO., LTD.**
#740-1
Wonsi-dong
Ansan-si
Gyeonggi-do
Korea

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

SGS File No. : AYAA12-30019
Product Name : C5102
Item No./Part No. : N/A
Received Date : 2012. 08. 13
Test Period : 2012. 08. 14 to 2012. 08. 17
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.

Jeff Jang / Chemical Lab Mgr

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Test Report No. F690101/LF-CTSAYAA12-30019

Issued Date: 2012. 08. 17 Page 2 of 3

Sample No. : AYAA12-30019.001

Sample Description : C5102

Item No./Part No. : N/A

Materials : C5102

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	34.2
Mercury (Hg)	mg/kg	With reference to IEC 62321:2008, ICP	2	N.D.
Hexavalent Chromium (Cr VI) By boiling water extraction*	**	With reference to IEC 62321:2008	-	Negative

Picture of Sample as Received:



- 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.

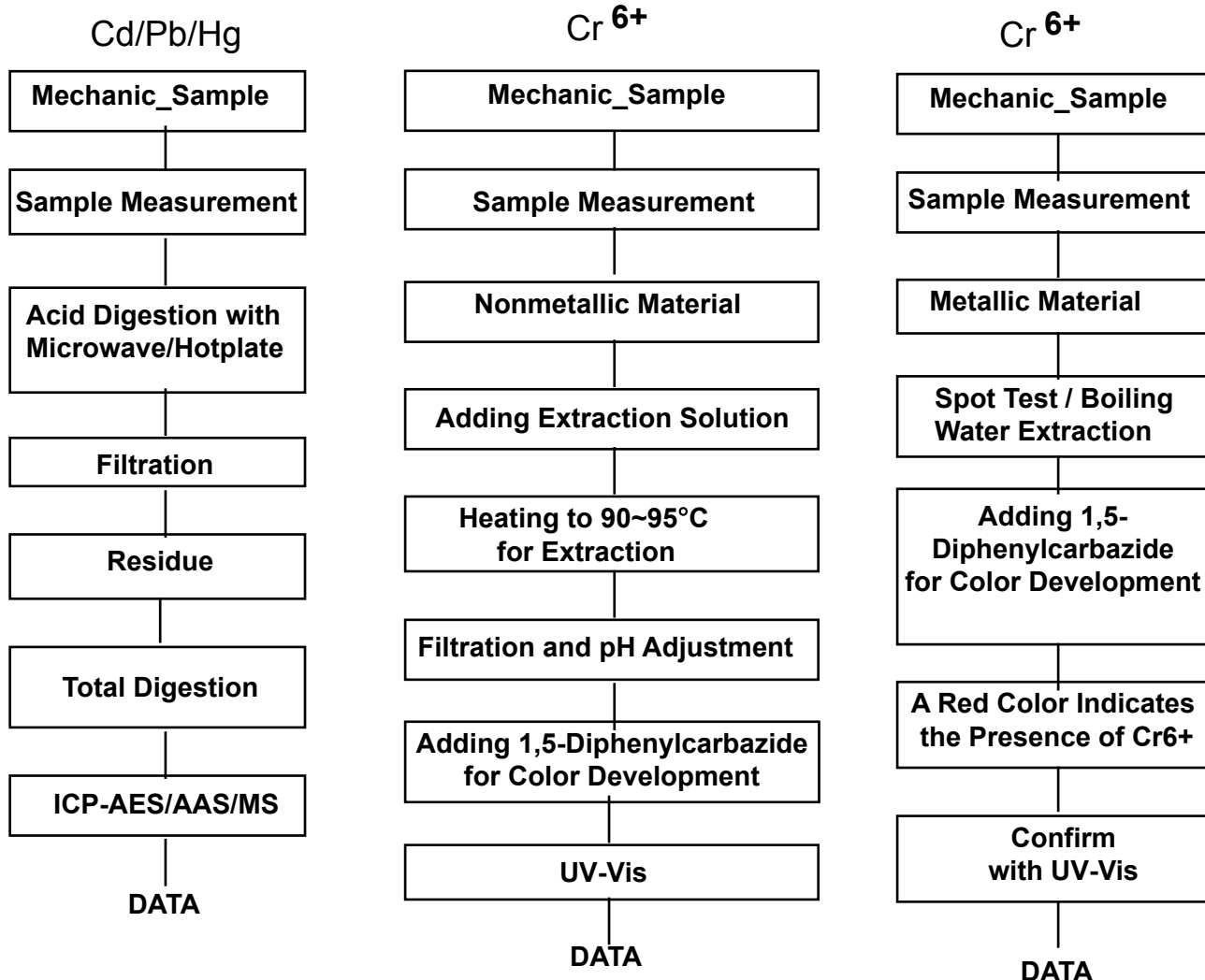
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Test Report No. F690101/LF-CTSAYAA12-30019

Issued Date: 2012. 08. 17 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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