

EXSO CORPORATION CO.,LTD

#20,Yutongdan-ji 1ro Gangseo-gu,Busan Korea

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

SGS File No. : AYAA15-29407

Product Name : Pb-Free Solder Wire

Item No./Part No. : EA-22 Pb-Free Wire(Sn99.3/Cu0.7%)

Received Date : 2015. 06. 08

Test Period : 2015. 06. 08 to 2015. 06. 11

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

SGS Korea Co., Ltd.

Issued Date: 2015.06.11

Jeff Jang / Chemical Lab Mgr

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Sample No. : AYAA15-29407.001
Sample Description : Pb-Free Solder Wire

Item No./Part No. : EA-22 Pb-Free Wire(Sn99.3/Cu0.7%)

Materials : N/A

Heavy Metals

Test Items	Unit	Test Method	MDL	Results
Hexavalent Chromium (Cr VI) By boiling water extraction*	**	With reference to IEC 62321:2008 (Determination of Hexavalent Chromium by spot test/Colorimetric Method using UV-Vis)	-	Negative
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Cadmium by ICP-OES)	0.5	N.D.
Lead (Pb)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Lead by ICP-OES)	5	138
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013 (Determination of Mercury by ICP-OES)	2	N.D.

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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:

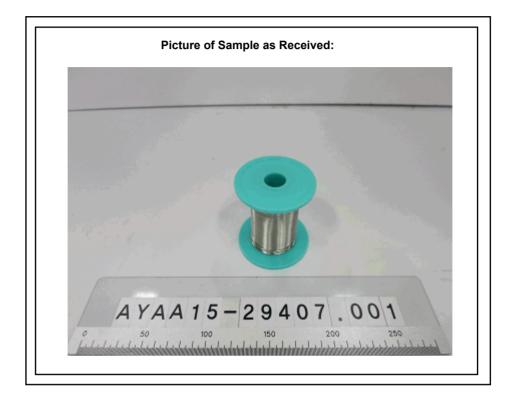
Negative = Absence of CrVI coating

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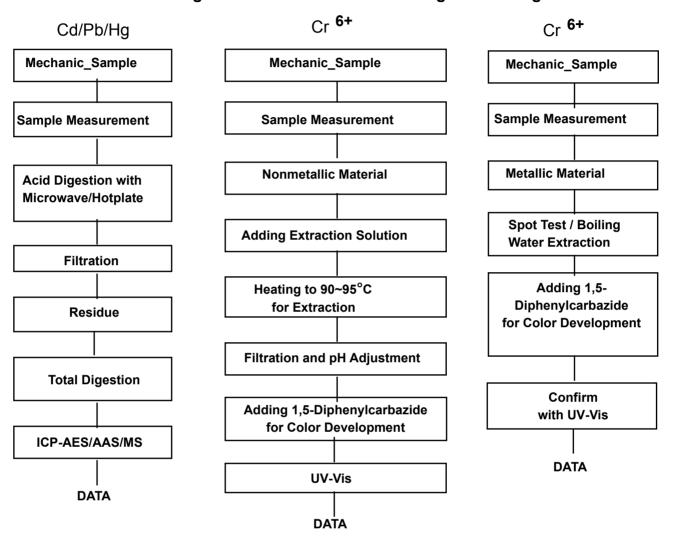
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Testing Flow Chart for RoHS:Cd/Pb/Hg/Cr6+ Testing

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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 ***

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