

Test Report

No. SHAEC1000616001

Date: 29 Jan 2010

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SHANGHAI RICHENG ELECTRONICS CO., LTD
SHANGHAI OLD HUMIN ROAD CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : TS

SGS Job No. : SP10-002107 - SH

Composition : METAL

Date of Sample Received : 25 Jan 2010

Testing Period : 25 Jan 2010 - 29 Jan 2010

Test Requested : Selected test(s) as requested by client.

Test Method : Please refer to next page(s).

Test Results : Please refer to next page(s).

Conclusion : Based on the performed tests on submitted samples, the results comply with the RoHS Directive 2002/95/EC and its subsequent amendments.

Signed for and on behalf of
SGS-CSTC Ltd.

Sandy Hao

Hao Jinyu, Sandy
Lab Manager

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
1	SHA10-006160.001	Silver metal

Remarks :

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

RoHS Directive 2002/95/EC

Test Method : With reference to IEC 62321:2008

- (1) Determination of Cadmium by ICP-OES.
- (2) Determination of Lead by ICP-OES.
- (3) Determination of Mercury by ICP-OES.
- (4) Determination of Hexavalent Chromium by Spot test / Colorimetric Method using UV-Vis.

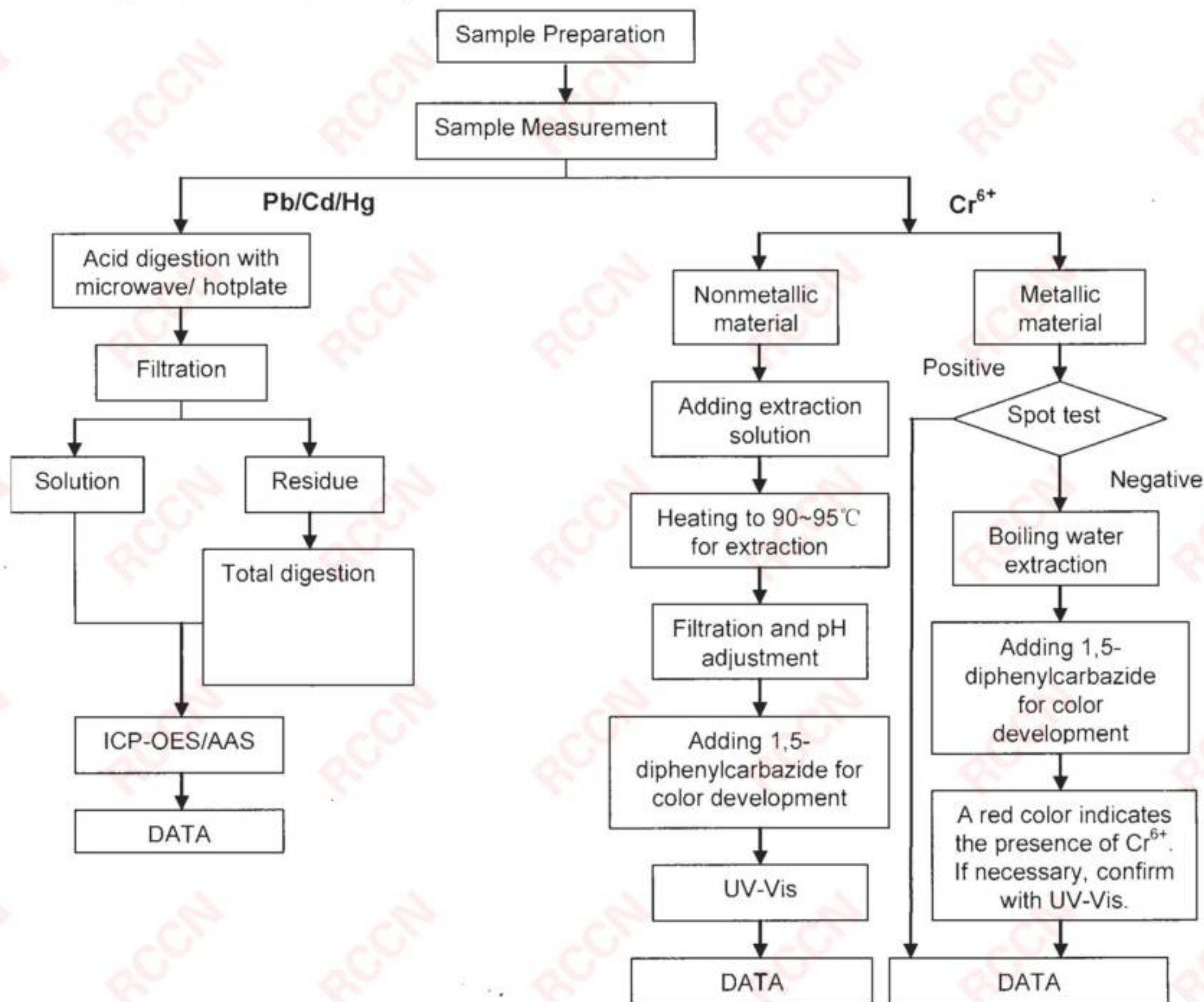
Test Item(s)	Limit	Unit	MDL	001
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1,000	mg/kg	2	8
Mercury (Hg)	1,000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	-	-	-	Negative

Notes :

- (1) The maximum permissible limit is quoted from the document 2005/618/EC amending RoHS directive 2002/95/EC
- (2) ◇ Spot-test:
Negative = Absence of CrVI coating, Positive = Presence of CrVI coating;
The tested sample should be further verified by boiling-water-extraction method if the spot test result is Negative or cannot be confirmed.
- ◇ 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.
For corrosion protection coatings on metals: Information on storage conditions and production date of the tested sample is unavailable and thus results of Cr(VI) represent status of the sample at the time of testing.

ATTACHMENTS

- 1) Name of the person who made measurement: Spring Zuo/ Frank Fang
- 2) Name of the person in charge of measurement: Terry Wang
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart.
(Cr⁶⁺ test method excluded)



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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

Attention: To check the authenticity of testing inspection report & certificate, pls. contact tel: (86-755)83071443 email: CN.Doccheck@sgs.com