

Test Report

No. SHAEC1308700703 A01

Date: 22 May 2013

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SHANGHAI BAOSHAN IRON&STEEL CO.,LTD
NO.1800 TONGJI ROAD, BAOSHAN, SHANGHAI, CHINA

THIS REPORT IS TO SUPERSEDE TEST REPORT NO.SHAEC1308700703 DATE: 2013/05/21

The following sample(s) was/were submitted and identified on behalf of the clients as : ELECTROLYTIC TIN PLATE(DI)

SGS Job No. : SP13-013661 - SH
Date of Sample Received : 14 May 2013
Testing Period : 14 May 2013 - 20 May 2013
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 selected part of submitted sample(s), the results of Lead, Mercury, Cadmium, Hexavalent chromium comply with the limits in RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.

Signed for and on behalf of
SGS-CSTC Ltd.



JJ Fan
Approved Signatory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
1	SHA13-087007.002	Silvery metal board

Remarks :

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

RoHS Directive 2011/65/EU

Test Method : (1) IEC 62321:2008 application of modified digestion by surface etching for Cadmium, Lead and Mercury, analysis by ICP-OES
 (2) With reference to IEC 62321:2008 for Hexavalent Chromium by spot test / Colorimetric Method.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>
Lead (Pb)	1000	mg/kg	10	93
Cadmium (Cd)	100	mg/kg	10	ND
Mercury (Hg)	1000	mg/kg	10	ND
Hexavalent Chromium (Cr(VI))	-	-	◇	Negative

Notes :

- (1) The maximum permissible limit is quoted from directive 2011/65/EU, Annex II
- (2) ◇Spot-test:
 Negative = Absence of Cr(VI) coating, Positive = Presence of Cr(VI) 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 Cr(VI) coating
 Positive = Presence of Cr(VI) coating; the detected concentration in boiling-water-extraction solution is equal or greater than 0.02 mg/kg with 50 cm² sample surface area.
 Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Perfluorooctane Sulfonates (PFOS) and Perfluorooctanoic Acid (PFOA)

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Test Method : With reference to US EPA 3550C: 2007, analysis was performed by HPLC-MS.

<u>Test Item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>MDL</u>	<u>002</u>
Perfluorooctane Sulfonates (PFOS) and related Acid, Metal Salt and Amide	1	µg/m ²	1	ND
Perfluorooctanoic Acid (PFOA)	-	µg/m ²	1	ND

Notes :

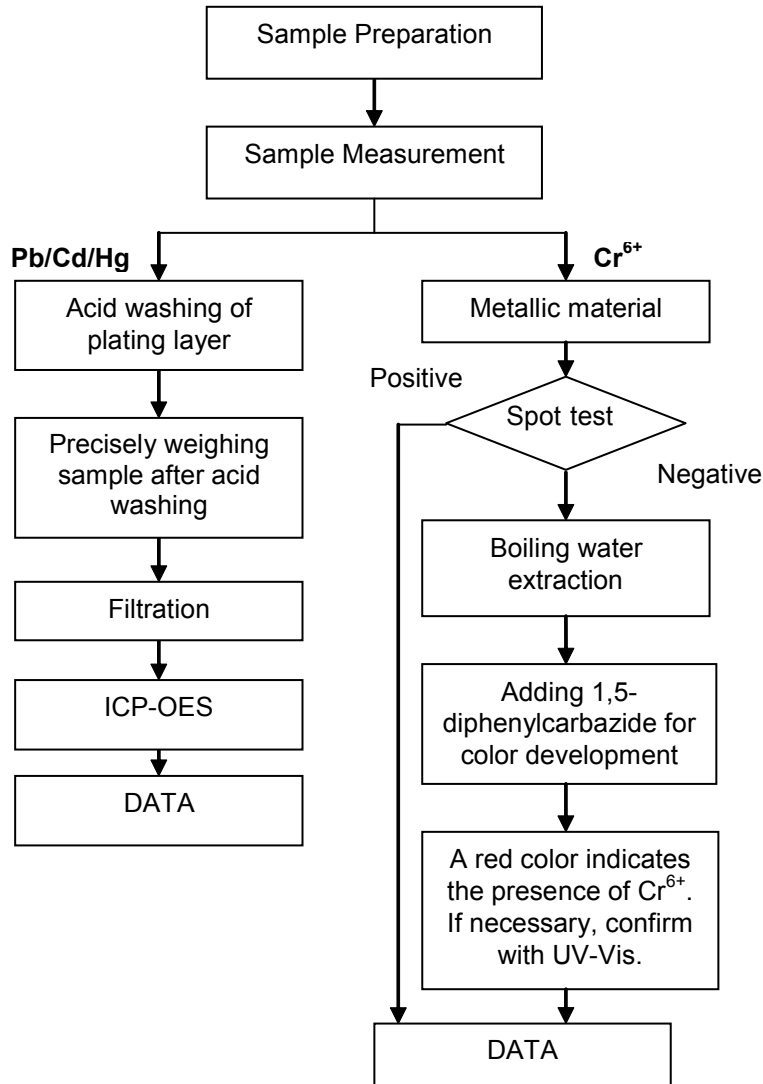
Max. limit specified by commission regulation (EU) No. 757/2010 amending regulation (EC) No 850/2004.

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ATTACHMENTS

Plating Pb/Cd/Hg/Cr⁶⁺ Testing Flow Chart

- 1) Name of the person who made testing: Yoyo Wang/Allen Xiao
- 2) Name of the person in charge of testing: Jeff Zhang/George Xu
- 3) Acid washing testing of Pb, Cd and Hg reach total dissolution

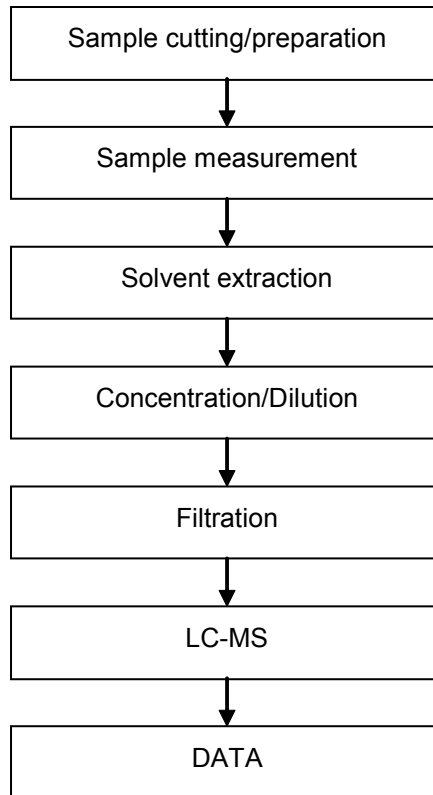


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PFOS/PFOA Testing Flow Chart

- 1) Name of the person who made testing: Judy Li
- 2) Name of the person in charge of testing: Myra Ma



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Sample photo:



SGS authenticate the photo on original report only

*** End of Report ***

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