

## Test Report

No. SHAEC1107949813

Date: 27 May 2011

Page 1 of 4

SHANGHAI MEISHAN IRON&STEEL CO.,LTD  
XINJIAN, ZHONGHUAMEN NANJIN, JIANGSU, CHINA

The following sample(s) was/were submitted and identified on behalf of the clients as : CONTINUOUSLY HOT-DIP ALUMINUM-ZINC ALLOY COATED STEEL SHEET & STRIP, CHEMICAL PASSIVATED WITHOUT HEXAVALENT CHROMIUM

SGS Job No. : SP11-013585 - SH  
Date of Sample Received : 27 May 2011  
Testing Period : 27 May 2011 - 27 May 2011  
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.



Fan Jingjie, JJ  
Approved Signatory

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Page 2 of 4

Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
1	SHA11-079498.007	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 2002/95/EC**

Test Method : (1) With reference to ISO 17925:2004 for Cadmium, Lead and Mercury content in electroplating, analysis was performed by ICP-OES.  
 (2) With reference to IEC 62321:2008 for Hexavalent Chromium by spot test / Colorimetric Method.

Test Item(s)	Limit	Unit	MDL	007
Lead (Pb) in electroplating	1000	mg/kg	10	23
Cadmium (Cd) in electroplating	100	mg/kg	10	ND
Mercury (Hg) in electroplating	1000	mg/kg	10	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.

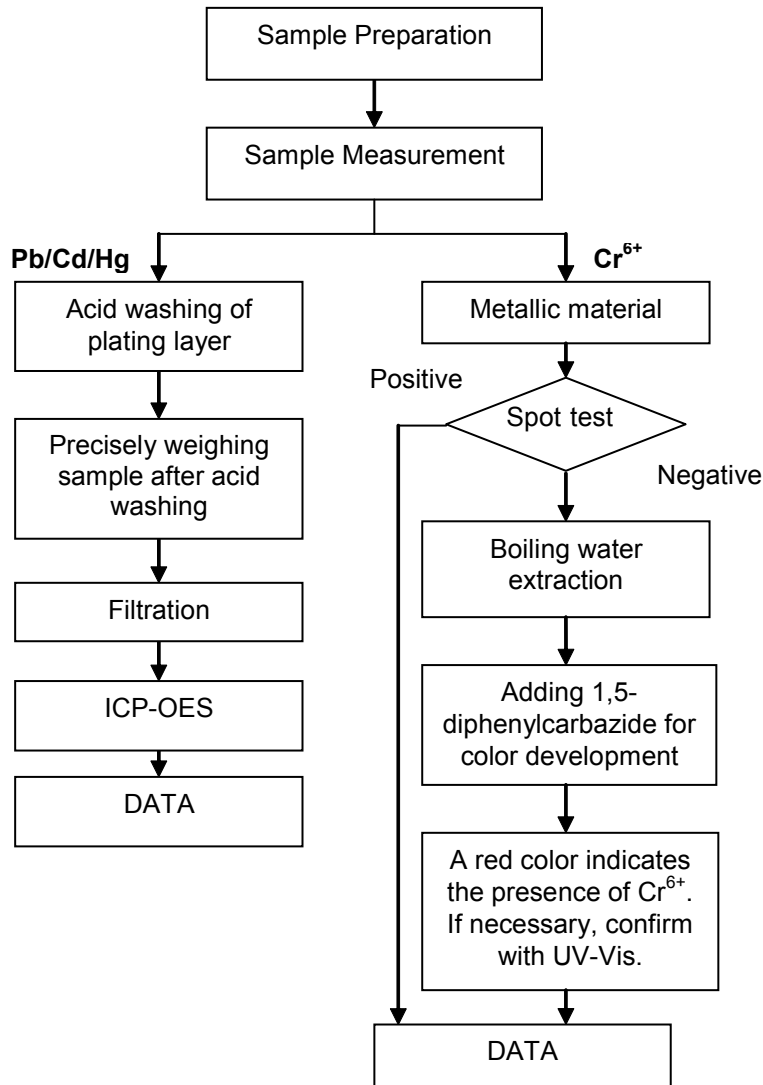
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ATTACHMENTS

Plating Pb/Cd/Hg/Cr<sup>6+</sup> Testing Flow Chart

- 1) Name of the person who made testing: Yoyo Wang
- 2) Name of the person in charge of testing: Jeff Zhang



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Sample photo:



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\*\*\* End of Report \*\*\*

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