

Test Report

No. NGBEC1400169501

Date: 28 Jan 2014

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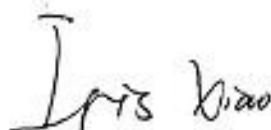
SHANXI TOP INDUSTRIES CO LTD

NO.108,NORTH HEPING ROAD,TAIYUAN SHANXI PROVINCE,CHINA

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

SGS Job No. : NP14-000145 - NB
Model No. : 3"
Material No. : 6063-T5
Main Substance : Aluminium
Supplier : SHANXI TOP INDUSTRIES CO LTD
Date of Sample Received : 28 Jan 2014
Testing Period : 28 Jan 2014 - 28 Jan 2014
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 the submitted sample, the results of Lead, Mercury, Cadmium, Hexavalent chromium comply with the limits as set by RoHS Directive 2011/65/EU Annex II; recasting 2002/95/EC.

Signed for and on behalf of
SGS-CSTC Ltd.



Iris Xiao
Approved Signatory



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SGS Standards Technical Services Co., Ltd.
Ningbo Branch - Environmental Chemical Laboratory

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Test Results :

Test Part Description :

Specimen No.	SGS Sample ID	Description
SN1	NGB14-001895.001	Silvery metal ring

Remarks :

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

RoHS Directive 2011/65/EU

- Test Method :
- (1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES.
 - (2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES.
 - (3) With reference to IEC 62321-4:2013, determination of Mercury by ICP-OES.
 - (4) With reference to IEC 62321:2008, determination of Hexavalent Chromium by spot test / Colorimetric Method using UV-Vis.

Test Item(s)	Limit	Unit	MDL	∅/†
Cadmium (Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	15
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (CrVI)	-	-	∅	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 results of Cr(VI) represent status of the sample at the time of testing.

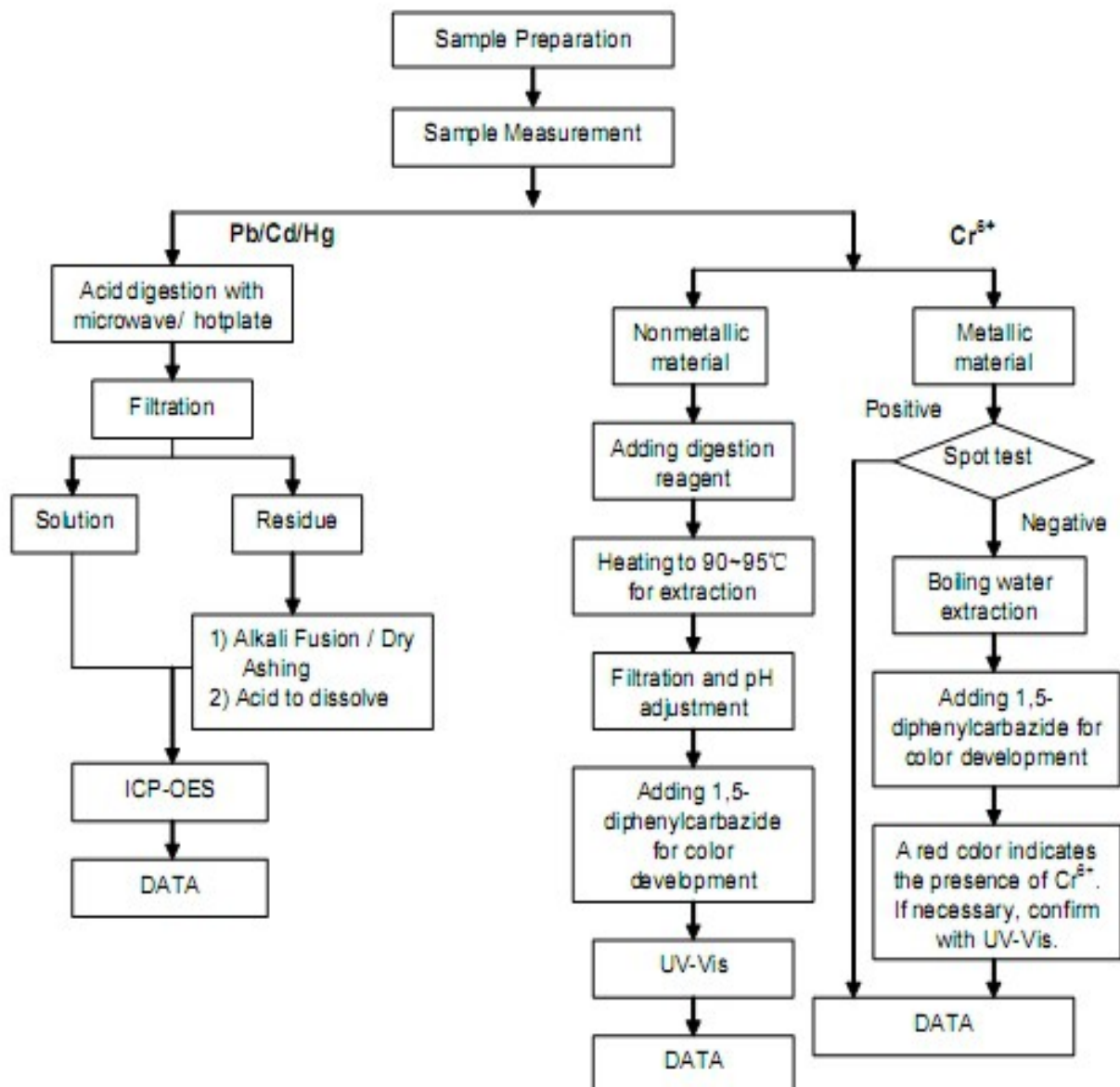


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ATTACHMENTS

RoHS Testing Flow Chart

- 1) Name of the person who made testing: Martin Ding/Crys Zhu
- 2) Name of the person in charge of testing: Kell Li
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr^{6+} test method excluded)



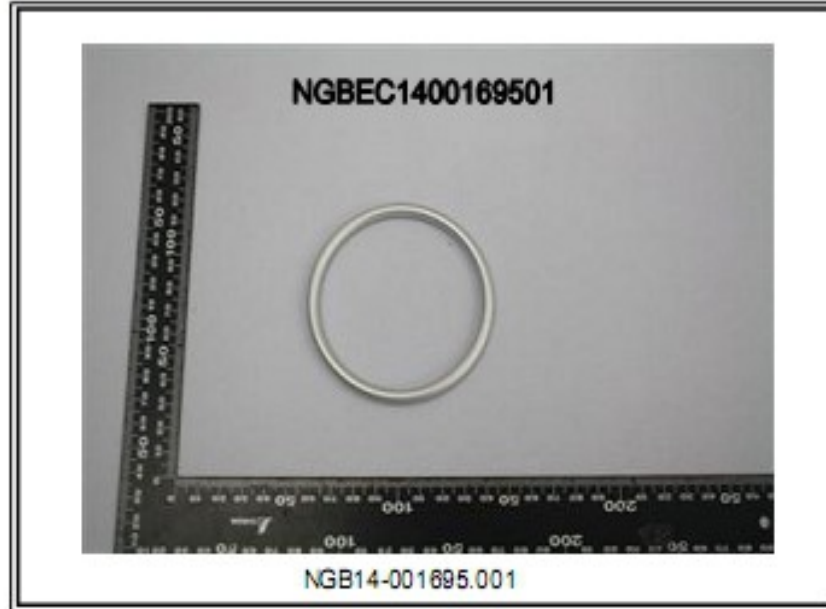
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Sample photo:



SGS authenticates the photo on original report only

*** End of Report ***

