

Test Report No. 2723283-CH07 Date: April 16, 2012 Page 1 of 4

Bourns, GDT Trimpot Electronicas, Ltda. JBO SJS 1387 PO Box 025240 Miami, FL 33102 United States

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

Tin Plated Copper Wire Color: Metallic

Sample Received Date: 4/5/2012

Testing Period: 4/6/2012 – 4/16/2012

Test Requested : Please refer to the result summary.

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

Result Summary :

Test Requested	Comment
European Directive 2011/65/EU Annex II	PASS
(RoHS); recasting 2002/95/EC	PASS

Signed for and on behalf of SGS North America

Prepared By:

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1. European Directive 2011/65/EU Annex II (RoHS); recasting 2002/95/EC

<u>Cadmium, Lead, Mercury, Hexavalent Chromium, Polybromobiphenyl (PBB) and Polybromodiphenyl ether (PBDE) content</u>

Method: With reference to IEC 62321:2008. Lead, Cadmium and Mercury were analyzed by Inductively Coupled Argon Plasma Spectrometry, Chromium (VI) was analyzed by UV-Visible Spectroscopy and PBB, PBDE were analyzed by Gas Chromatography – Mass Spectrometry (GC-MS).

Test Item	Result (mg/kg)	Detection	Permissible
1 COL ILCIII	1	Limit (mg/kg)	Limit (mg/kg)
Cadmium (Cd)	ND	5	100
Lead (Pb)	ND	5	1000
Mercury (Hg)	ND	5	1000
Hexavalent Chromium by spot test / boiling (Cr(VI) water extraction	Negative	#	#
Sum of PBBs	ND		1000
Monobromobiphenyl	ND	5	
Dibromobiphenyl	ND	5	
Tribromobiphenyl	ND	5	
Tetrabromobiphenyl	ND	5	
Pentabromobiphenyl	ND	5	
Hexabromobiphenyl	ND	5	
Heptabromobiphenyl	ND	5	
Octabromobiphenyl	ND	5	
Nonabromobiphenyl	ND	5	
Decabromobiphenyl	ND	5	
Sum of PBDEs	ND		1000
Monobromodiphenyl ether	ND	5	
Dibromodiphenyl ether	ND	5	
Tribromodiphenyl ether	ND	5	
Tetrabromodiphenyl ether	ND	5	
Pentabromodiphenyl ether	ND	5	
Hexabromodiphenyl ether	ND	5	
Heptabromodiphenyl ether	ND	5	
Octabromodiphenyl ether	ND	5	
Nonabromodiphenyl ether	ND	5	
Decabromodiphenyl ether	ND	5	
Comment	PASS		

Sample Description:

1. Metallic Tin Plated Copper Wire

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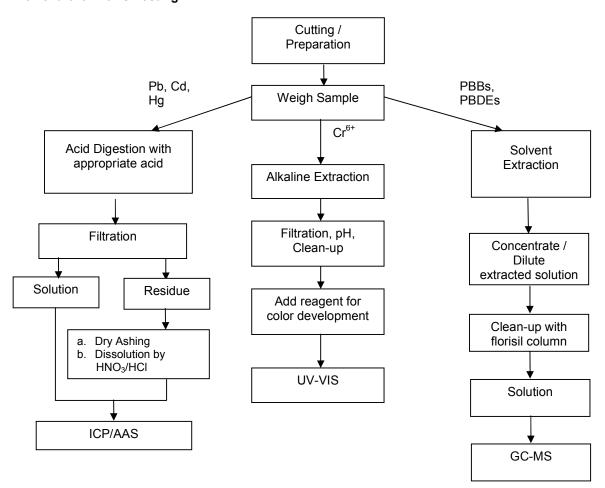
Note:

1. ND = Not Detected = denoted less than reporting limit

Remark: 1. # = Negative means the absence of CrVI on the tested areas; Positive means the

presence of CrVI on the tested areas. The detected CrVI concentration in the boiling-water-extraction solution is equal to or greater than 0.02 mg/kg with 50cm² sample surface area.

Flowchart for RoHS Testing:



Note: 1. For Cr(VI), spot test is adopted for metal sample.

2. The Cd, Pb and Hg contents test on polymeric samples were dissolved totally by preconditioning method according to above flow chart.

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Sample Photo:



SGS authenticates the photo on the original report only

*** End of Report ***

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