

Test Report

No. 2340509-CH36

Date: March 22, 2011

Page 1 of 4

**Samtec Inc.
520 Park East Blvd
New Albany, IN 47151
United States**

Attn: Dick Bowyer

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

**Phosphorous Bronze
Color: Copper-bronze
Sample/Style #: Sample Labeled: Phosphorous Bronze**

Sample Received Date: **3/9/2011**

Testing Period: **3/10/2011 – 3/18/2011**

Test Requested : Please refer to the result summary.

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

Result Summary :

Test Requested	Conclusion
European Directive 2002/95/EC (RoHS) and its subsequent amendments	See test results

Signed for and on behalf of SGS North America

Prepared By:




Cyrus Chan
Laboratory Manager, Chemistry Laboratory

Veronica Marrero
Report Writer, Chemistry Laboratory

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1. Test results by chemical method:
Cadmium, Lead, Mercury and Hexavalent Chromium content

Method : With reference to IEC 62321:2008. Lead, Cadmium and Mercury were analyzed by Inductively Coupled Argon Plasma Spectrometry and Chromium (VI) was analyzed by UV-Visible Spectroscopy.

Test Item	Result (mg/kg)		Detection Limit (mg/kg)	Permissible Limit (mg/kg)
	1			
Cadmium (Cd)	ND		20	100
Lead (Pb)	ND		20	1000
Mercury (Hg)	ND		20	1000
Hexavalent Chromium by spot test (Cr(VI))	Negative; bubbles observed – boiling water test performed		#	#
Hexavalent Chromium by boiling water extraction (Cr(VI))	Negative for presence of Hexavalent Chromium		#	#
Comment	PASS		--	--

Sample Description:

 1. **Phosphorous Bronze**

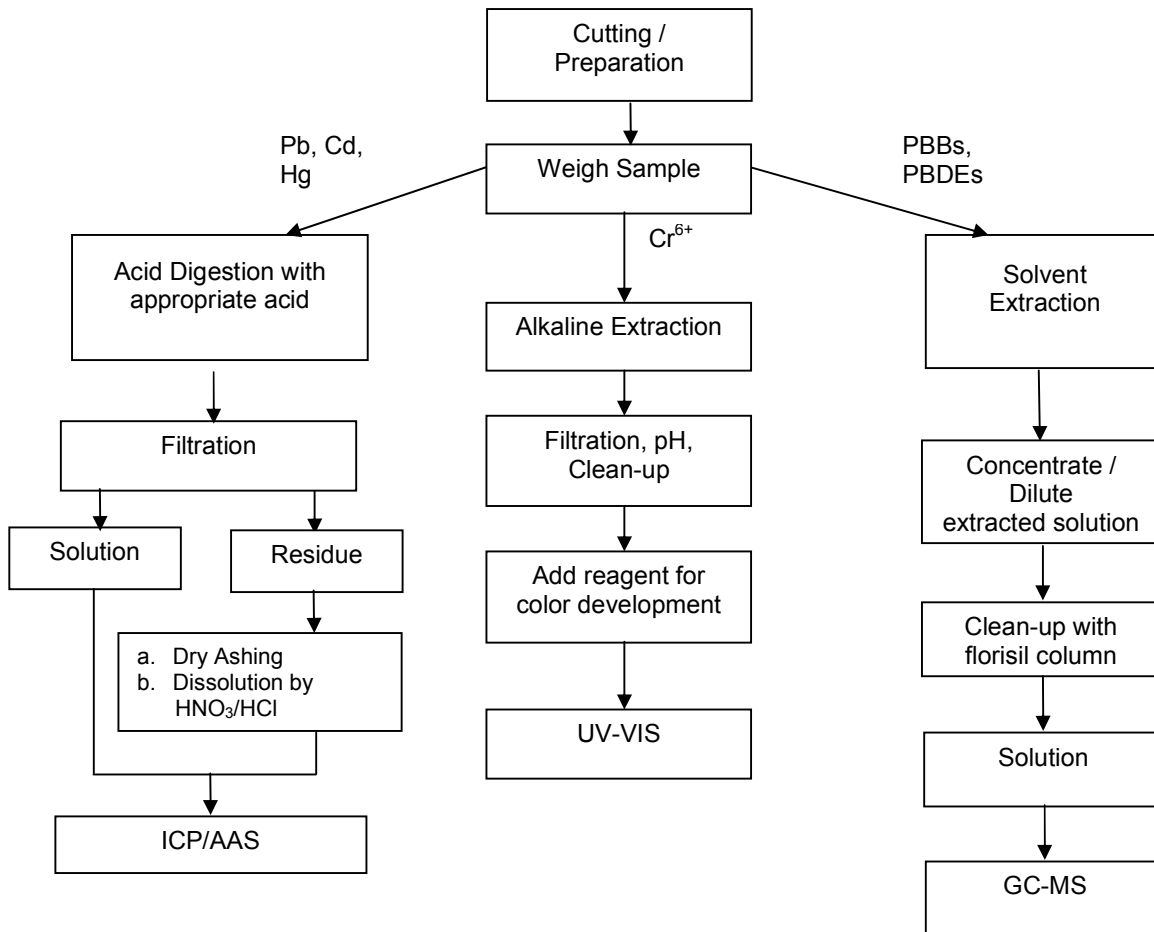
Note :

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.

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Flowchart:



- 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 pre-conditioning 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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