



Test Report

No. 5006465-CH03

Date: February 9, 2023

Page 1 of 4

**Samtec Inc.
520 Park East Blvd
New Albany, IN 47150
United States**

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

**High Copper Alloy – Color = bare copper
Country of Destination: USA
Model/ Part No.: High Copper Alloy**

Sample Received Date: **01/19/2023**

Testing Period: **01/24/2023 – 02/06/2023**

Test Requested : Please refer to the result summary.

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

Result Summary :

Test(s) Requested	Conclusion
1. RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU	See Test Results

Signed for and on behalf of SGS North America, Inc.

Prepared By:

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Laboratory supervisor, Chemistry laboratory

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Technical Report Writer, Chemistry Laboratory

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1. RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU

Test Item(s):	Unit	Test Method	Results	MDL
			1	
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5:2013 (Determination of Cd and Pb by ICP-OES and /or ICP-MS)	2.38	2
Lead (Pb)	mg/kg		13.4	2
Mercury (Hg)	mg/kg	With reference to IEC 62321-4:2013+A1:2017 (Determination of Hg by ICP-OES and/ or ICP-MS)	ND	2
Hexavalent Chromium (CrVI)	mg/kg	With reference to IEC 62321-7-2:2017 (Determination of CrVI by UV-Vis)	ND*	8

Sample Description:

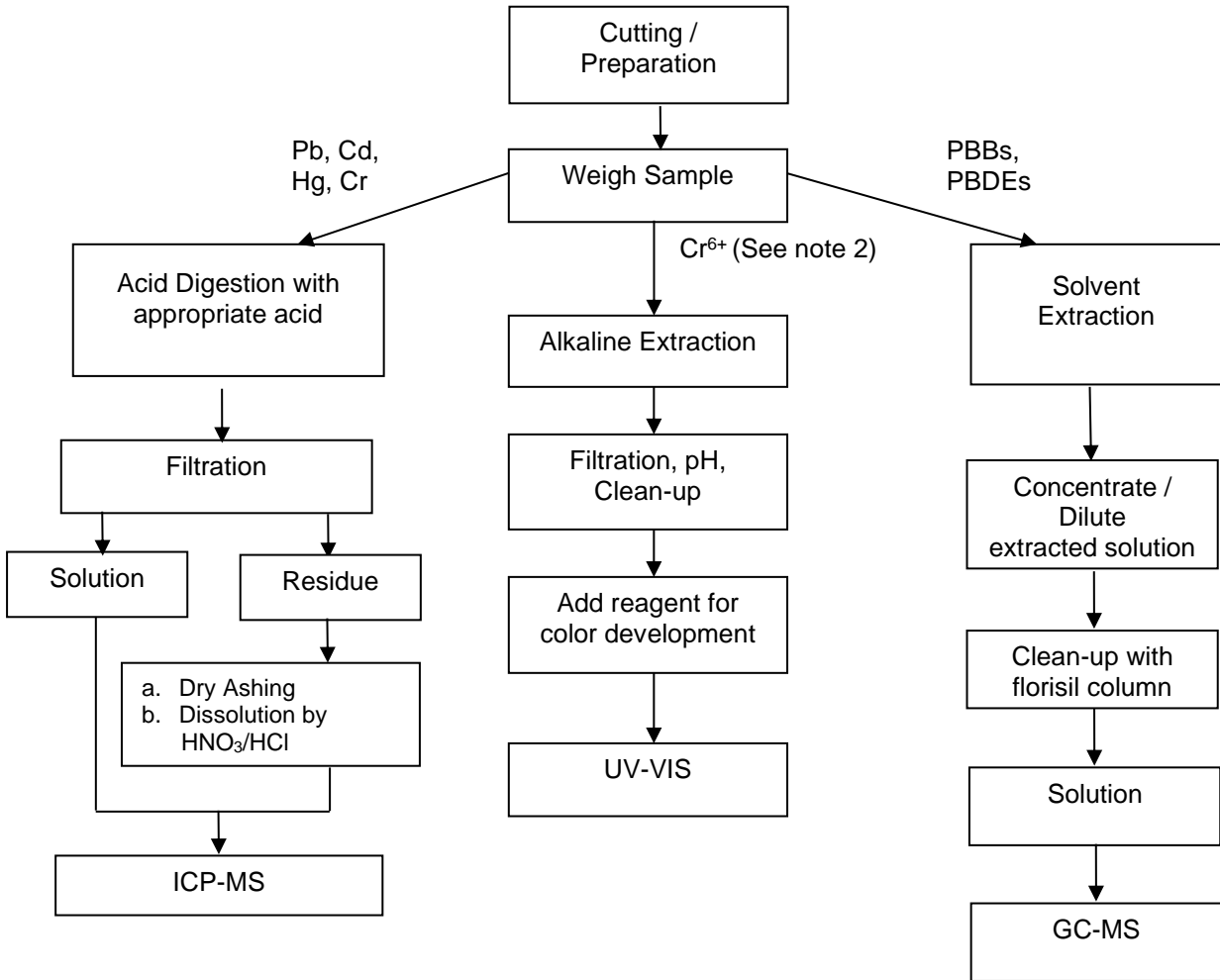
- Box 3 – High Copper Alloy – Bare Copper

Note:

- mg/kg = ppm ; 0.1wt% = 1000ppm
- ND= not detected
- MDL = Method Detection Limit
- = not regulated
- * = Total Chromium analysis by ICP-MS and/or ICP-OES was not detected in submitted sample. Therefore, Hexavalent Chromium determination using UV-Visible Spectroscopy was not performed.
- IEC 62321 series is equivalent to EN 62321 series
http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25

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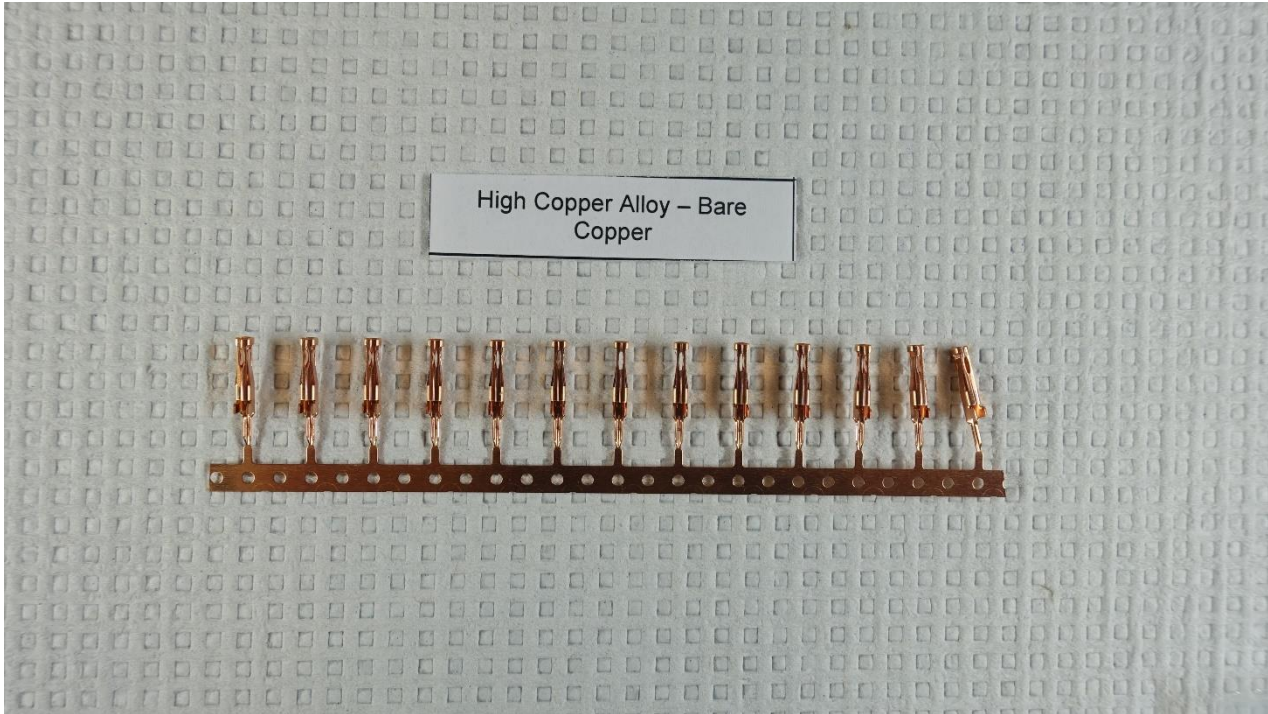
Flowchart for RoHS:



- Note : 1. The Cr, Cd, Pb and Hg contents test on polymeric samples were dissolved totally by pre-conditioning method according to above flow chart.
 2. Cr⁶⁺ is performed only when total Cr is detected

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Sample Photo(s):



SGS authenticates the photo(s) on the original report only

*** End of Report ***

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