



Test Report

No. 5006465-CH14

Date: February 15, 2023

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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:

Solder (lead-free) Color = silver metallic
Country of Destination: USA
Model/ Part No.: Solder (lead free)

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:

Brian Murphy
Laboratory supervisor, 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) | ND | 2 |
| Lead (Pb) | mg/kg | | 41.4 | 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:

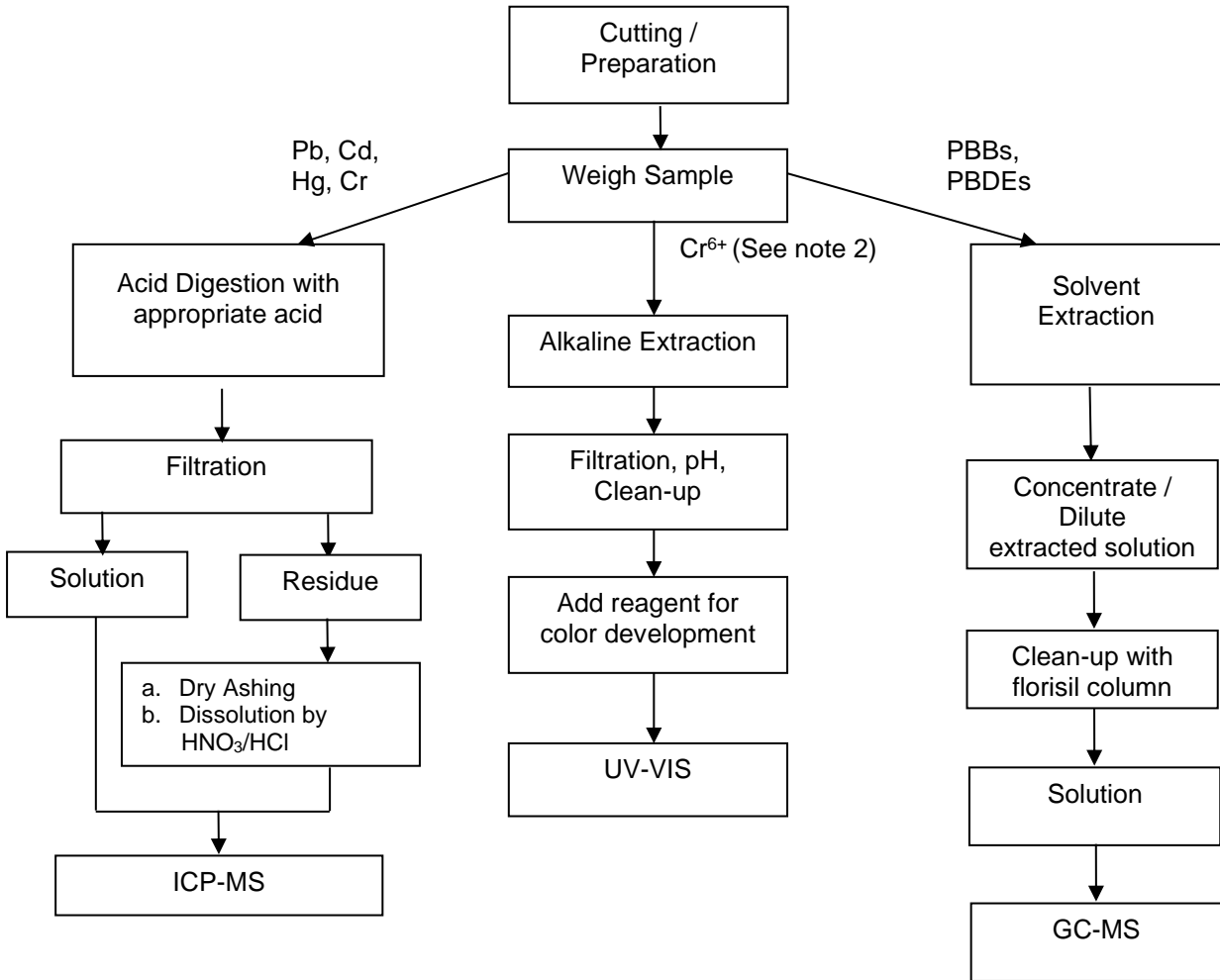
- Box 14 – Solder (Lead-free) Silver Metallic

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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