



**Test Report**

No. **5006465-CH05**

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:

**Aluminum – Color = Bright Aluminum metallic  
Country of Destination: USA  
Model/ Part No.: Aluminum**

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		13.1	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:**

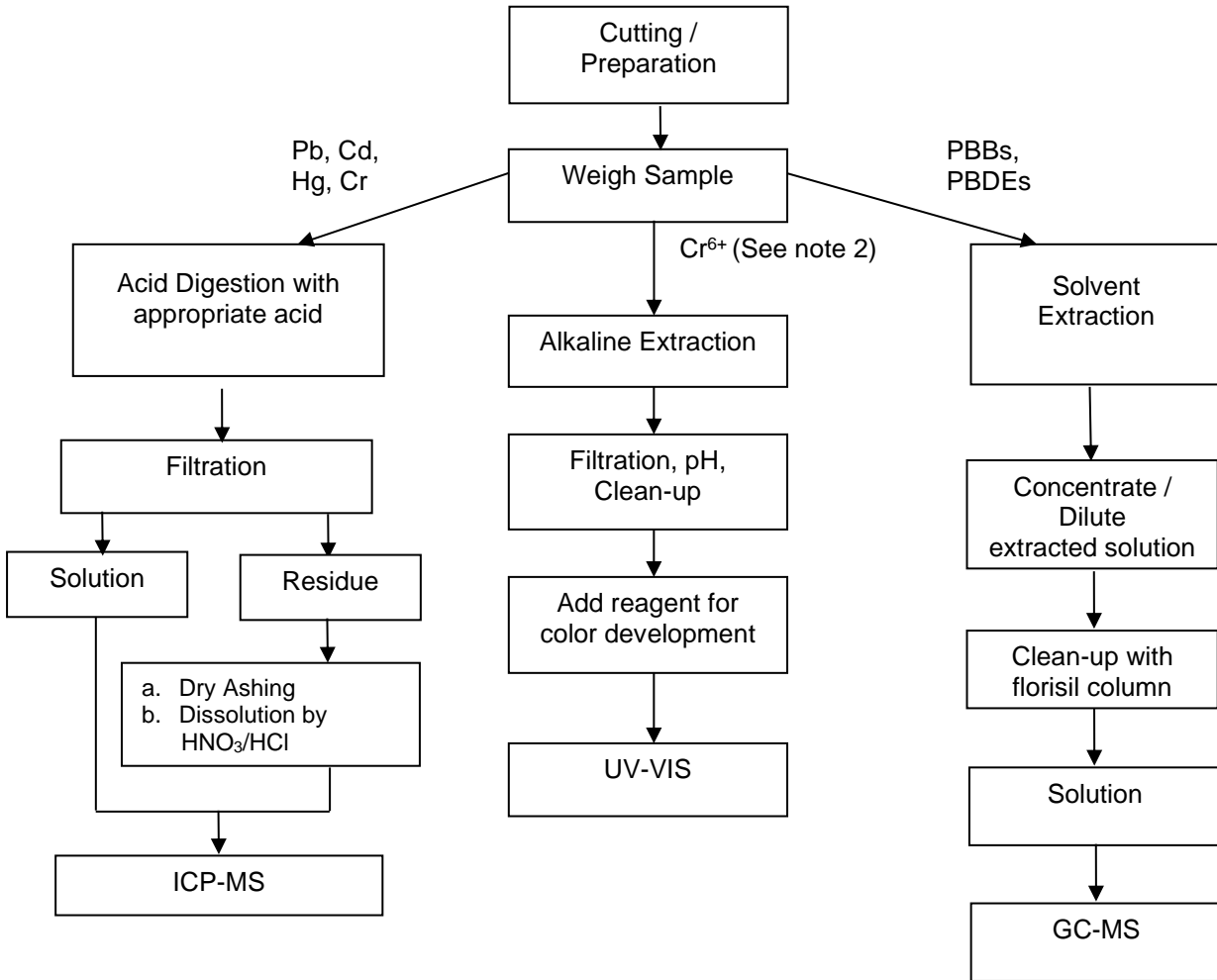
- Box 5 – Aluminum Bright Aluminum Metallic

**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](http://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101:::FSP_ORG_ID,FSP_LANG_ID:1258637,25)

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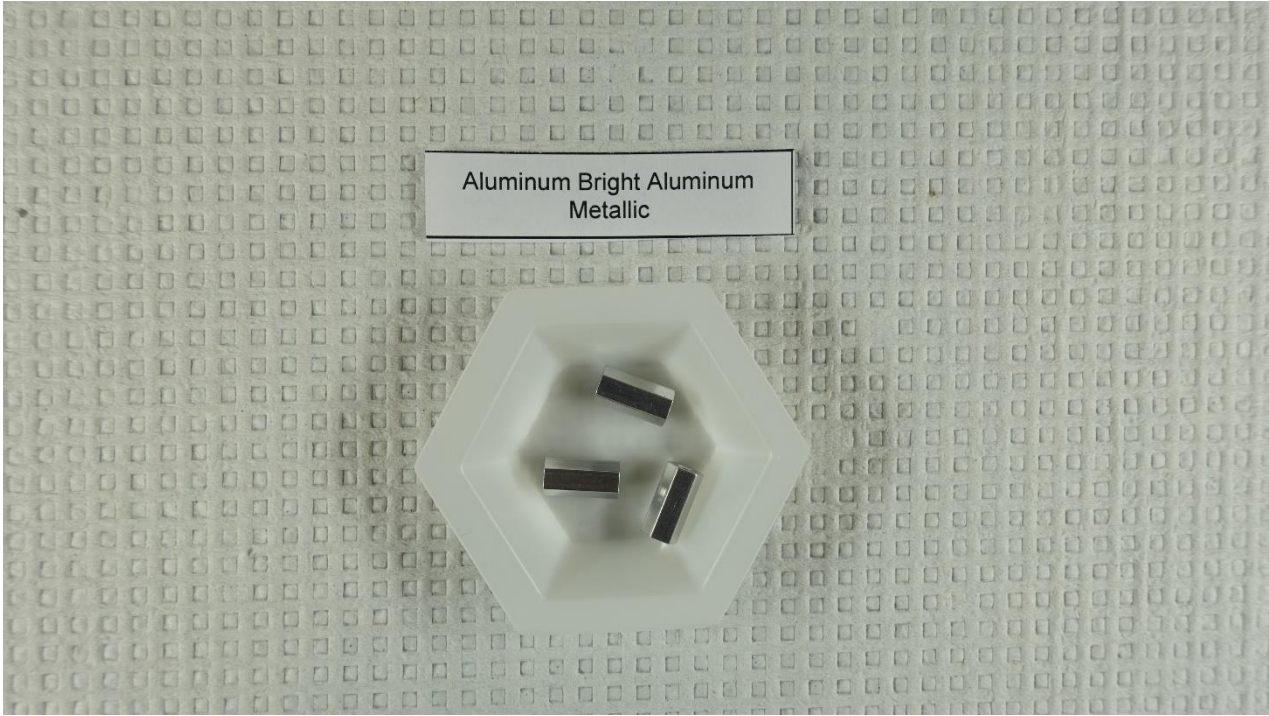
**Flowchart for RoHS:**



- 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. Cr<sup>6+</sup> 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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