

Test Report No. 5006465-CH74 Date: February 10, 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:

Matte Tin Plating on Graphite Rod (do not test

graphite rod)

Country of Destination: USA Model/ Part No.: Matte Tin Plating

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

Brian Murphy Laboratory supervisor, Chemistry laboratory Suzie Banik 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 1	MDL
Cadmium (Cd)	mg/kg	With reference to IEC 62321-5:2013	ND	2
Lead (Pb)	mg/kg	(Determination of Cd and Pb by ICP-OES and /or ICP-MS)	20.0	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:

1. Bag 74 - Matte Tin Plating on Graphite Rod

Note:

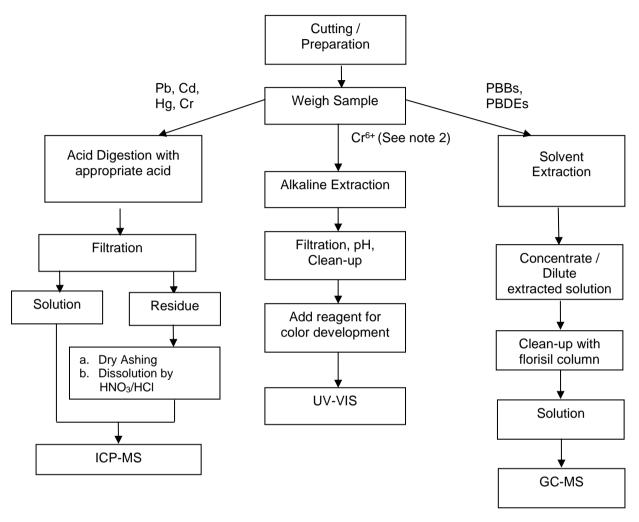
- (a) mg/kg = ppm; 0.1wt% = 1000ppm
- (b) ND= not detected
- (c) MDL = Method Detection Limit
- (d) = not regulated
- (e) * = Total Chromium analysis by ICP-MS and/or ICP-OES was not detected in submitted sample. Therefore, Hexavalent Chromium determination using UV-Visible Spectroscopy was not
- (f) 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:



The Cr, Cd, Pb and Hg contents test on polymeric samples were dissolved totally by pre-Note 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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