ULR -TC-617624000009376F **TEST REPORT**

Report No. : CH:TX:1542009008 **ISSUE DATE : 05/03/2024**

CUPRON INDUSTRIES PRIVATE LIMITED

LANE NO 8 PHASE 1 IGC SAMBA, SIDCO INDUSTRIAL AREA, INDUSTRIAL GROWTH CENTER

PHASE 1

samba-184121

IN

CONTACT PERSON : AMAN KUMAR

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

SGS Job No.:	2442804424
Style No.	/
Part/Ref.No.	/
Supplier	/
Material:	/
Tested sample description:	COPPER ANODE COPPER METAL
Product Code :	/
Colour	REDDISH BROWN
Date of sample Received:	28 February 2024
Testing period:	28 February 2024 – 05 March 2024
Test requested:	Selected test (s) as requested by client.
Test method:	Please refer to next page(s).
Test results:	Please refer to next page(s).
Conclusion	Based on the performed tests on submitted sample(s), the results of Cadmium, Lead, Mercury, Hexavalent chromium, Polybrominated biphenyls (PBBs), Polybrominated diphenyl ethers (PBDEs) and Phthalates such as Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP) comply with the limits as set by RoHS Directive (EU) 2015/863 amending AnnexII to Directive 2011/65/EU

Per pro SGS India Private Ltd
Authorized by

P. PONSUNDARARAJ
SENIOR EXECUTIVE
Authorized Signatory-Hazardous & Restricted Substances
Email your Test Report Related Enquiries at *Feedback.SLT@sgs.com*

Test Part Description:

Specimen No.	SGS Sample ID	Description
1	1	ACCESSORIES

Remarks:

(1) 1mg/kg=0.0001%
(2) MDL = Method Detection Limit
(3) ND = Not Detected (<MDL)
(4) "-" = Not Regulated

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

Test Method:

(1) With reference to IEC 62321-5:2013, determination of Cadmium by ICP-OES/ ICP-MS.
(2) With reference to IEC 62321-5:2013, determination of Lead by ICP-OES/ ICP-MS.
(3) With reference to IEC 62321-4:2013+A1:2017, determination of Mercury by ICP-OES/ ICP-MS.
(4) With reference to IEC 62321-7-1:2017 / IEC 62321-7-2:2017, determination of Hexavalent Chromium by Colorimetric Method using UV-Vis.
(5) With reference to IEC 62321-6:2015, determination of PBBs and PBDEs by GC-MS.
(6) With reference to IEC 62321-8:2017, determination of phthalates by GC-MS.

ACCREDITED TEST (S)

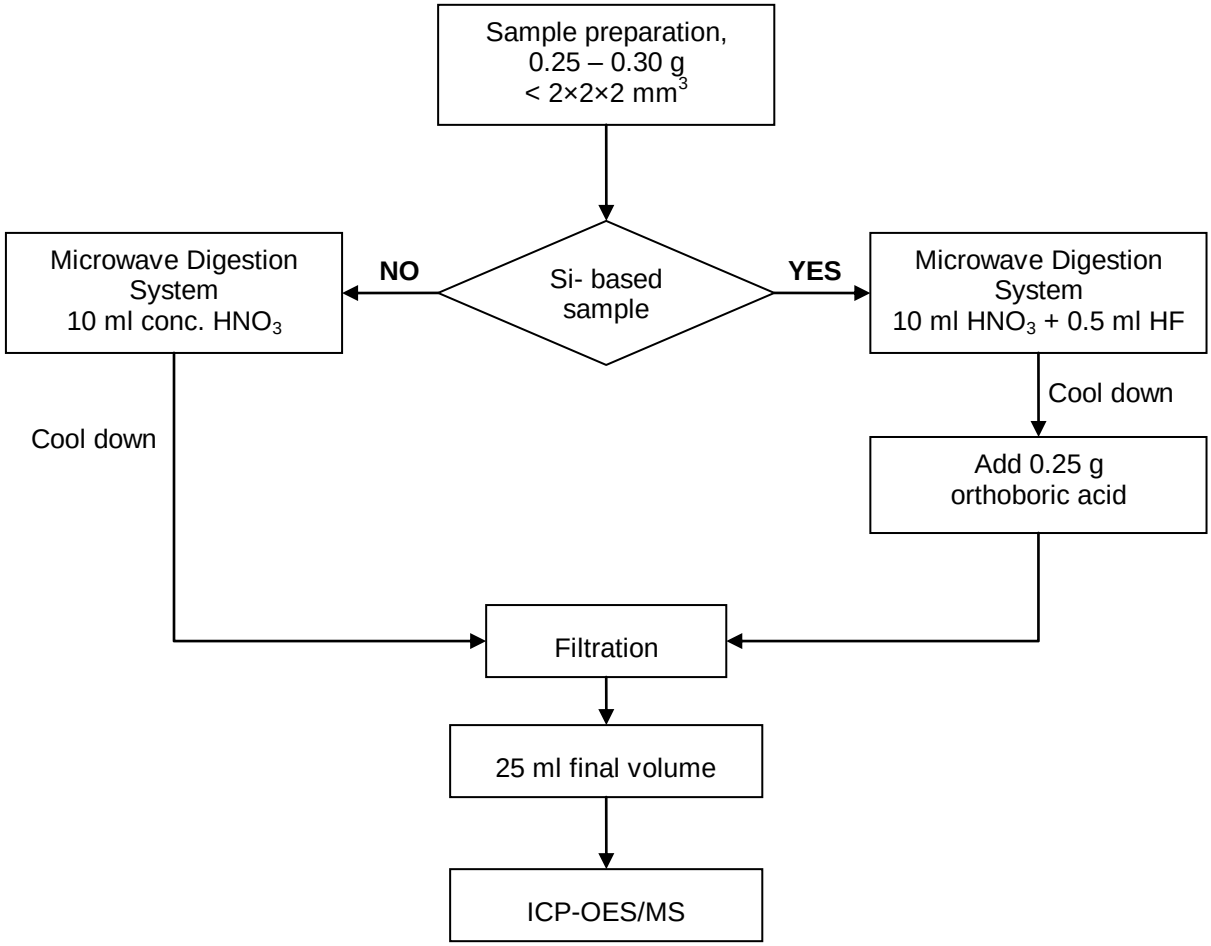
Test Item(s):	Limit	Unit	MDL	001
Cadmium(Cd)	100	mg/kg	2	ND
Lead (Pb)	1000	mg/kg	2	**6.11**
Mercury (Hg)	1000	mg/kg	2	ND
Hexavalent Chromium (Cr(VI)) ▼	-	$\mu g/cm^2$	0.10	ND
Sum of PBBs	1000	mg/kg	-	ND
Monobromobiphenyl	-	mg/kg	5	ND
Dibromobiphenyl	-	mg/kg	5	ND
Tribromobiphenyl	-	mg/kg	5	ND
Tetrabromobiphenyl	-	mg/kg	5	ND
Pentabromobiphenyl	-	mg/kg	5	ND
Hexabromobiphenyl	-	mg/kg	5	ND
Heptabromobiphenyl	-	mg/kg	5	ND
Octabromobiphenyl	-	mg/kg	5	ND
Nonabromobiphenyl	-	mg/kg	5	ND
Decabromobiphenyl	-	mg/kg	5	ND
Sum of PBDEs	1000	mg/kg	-	ND
Monobromodiphenyl ether	-	mg/kg	5	ND
Dibromodiphenyl ether	-	mg/kg	5	ND
Tribromodiphenyl ether	-	mg/kg	5	ND
Tetrabromodiphenyl ether	-	mg/kg	5	ND
Pentabromodiphenyl ether	-	mg/kg	5	ND
Hexabromodiphenyl ether	-	mg/kg	5	ND
Heptabromodiphenyl ether	-	mg/kg	5	ND
Octabromodiphenyl ether	-	mg/kg	5	ND
Nonabromodiphenyl ether	-	mg/kg	5	ND
Decabromodiphenyl ether	-	mg/kg	5	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Bis (2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Diisobutyl Phthalates (DIBP)	1000	mg/kg	50	ND

Note : ND – Not Detected / MDL – Method detection limit
1% = 10000 mg/kg

Notes:

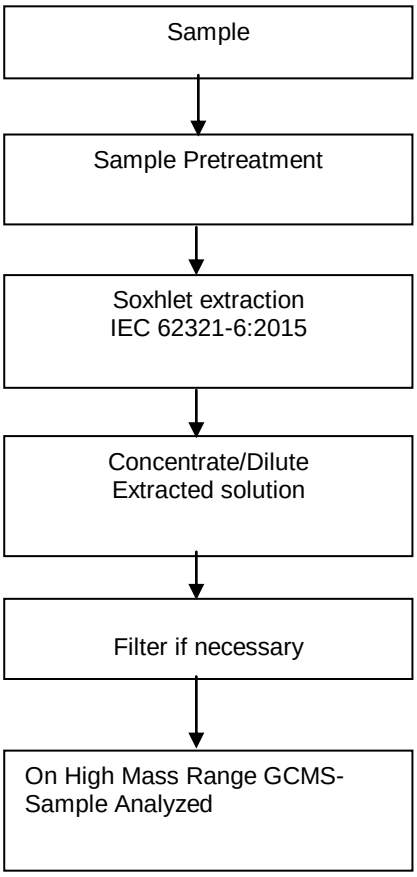
(1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
(2) IEC 62321 series is equivalent to BS EN 62321 series.
(3) IEC 62321 series is equivalent to EN 62321 series
https://www.cenelec.eu/dyn/www/f?p=104:30:1742232870351101::::FSP_ORG_ID,FSP_LANG_ID:1258637,25
(4) The restriction of DEHP, BBP, DBP and DIBP shall apply to medical devices, including in vitro medical devices and monitoring and control instruments, including industrial monitoring and control instruments, from 22 July 2021.
(5) Test subcontacted to SGS approved lab (SGS Chennai)
(6) ▼ = a. The sample is positive for Cr(VI) if the Cr(VI) concentration is greater than 0.13 µg/cm2. The sample coating is considered to contain Cr(VI)
b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 µg/cm2). The coating is considered a non-Cr(VI) based coating
c. The result between 0.10 µg/cm2 and 0.13 µg/cm2 is considered to be inconclusive - unavoidable coating variations may influence the determination

Process Flow for analysis of metal contents in plastics, metals and electronic components sample



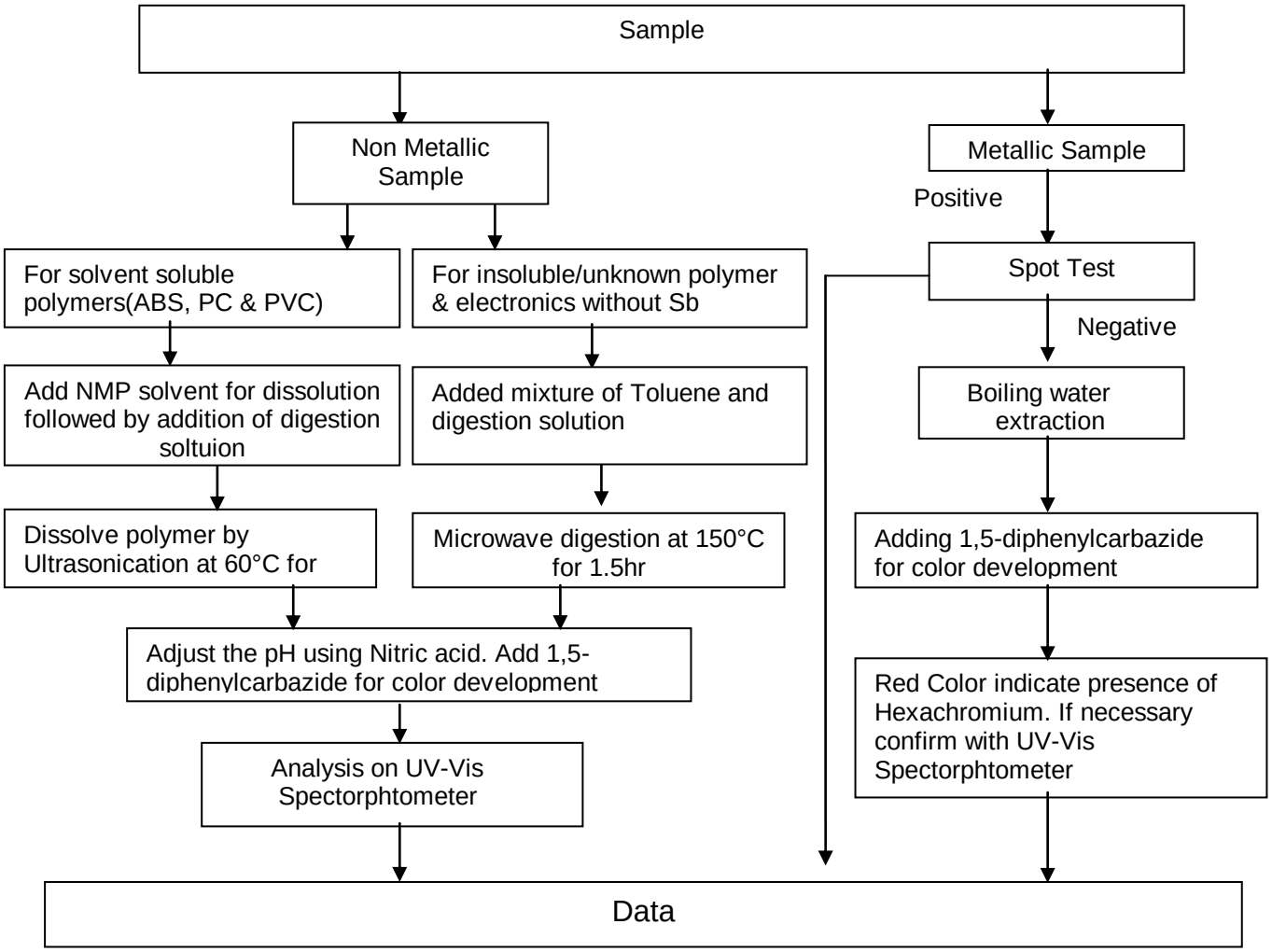
Analyzed By : K Kumar **Checked By :** R Jaiganesh

Process Flow for analysis of Flame Retardants in plastics, metals and electronic components sample



Analyzed By: Y.Kathiravan **Checked By :** R Jaiganesh

Process Flow for analysis of Hexachromium contents in plastics, metals and electronic components sample



Analyzed By: S.Prasad **Checked By :** R Jaiganesh

Sample Photo: as received

SGS authenticate the photo on original report only

*** End of Report ***

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