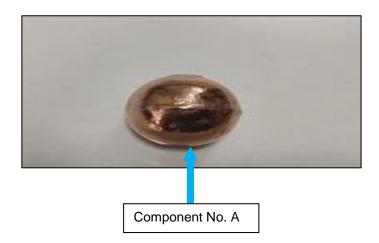
Test Report No. GGN/H(RO)/23/002313 Dated 2023.09.29



Sample Image(s) (As Received)



Phone: +91 (124) 6199699 Email: Anuradha.Dhamija@tuvsu Registered Office: TÜV SÜD South Asia Pvt. Ltd. TÜV SÜD House Off Saki Vihar Road Saki Naka, Andheri







Applicant / Company Name : MTI Industries Pvt Ltd.

Address : Khewat No- 76, 95, Liwaspur, Bahalghar-131021,

(Haryana), India

Attention / Contact Person : Anand Gupta

Tested Sample: Received on 2023.09.26 at 02:15 P.M.

Test Period : 2023.09.27 To 2023.09.29

Article / Sample Description : Copper Anode Part/Grade/Colour/Drawing No. : Copper (DHP)

Note: The submitted sample(s) is / are Not Drawn by the Laboratory

NOTE: Unless otherwise agreed upon, Pass or Fail or Statement of compliance verdicts are given based on the measured values without any considerations of measurement uncertainties. Every test method has a measurement uncertainty which has been evaluated by the laboratory and are available on request. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

Remarks:

- 1. Sample(s) is / are tested as on-received basis.
- 2. Test(s) performed as requested by applicant.
- 3. Conclusion(s) of the test(s) was drawn as per compliance requirement(s) specified by applicant.

Authorized By

Vaban Pal Singh (Authorised Signatory)

Please Contact:

For any technical issues: Anuradha Dhamija at : Anuradha. Dhamija @tuvsud.com

For any complaint: Ashima Sapra at: Ashima.Sapra@tuvsud.com

By accepting this document, the customer hereby agrees and accepts the 'Terms & Conditions' and the relevant 'Testing & Certification Regulations' of TÜV SÜD South Asia Pvt Ltd. which are available at Company's website at the link-https://www.tuvsud.com/en-in/terms-and-conditions

Note: The test report is electronically generated. Hence original signature is not required.

Note: (1) The results relate only to the items tested, (2) The test report shall not be reproduced except in full without the written approval of the laboratory (3) Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production. For further details, please see testing and certification regulation, chapter A-3.4. (4) The correctness of the information related to sample(s) in the Test Request Form/Customer letterhead/Email is the customer's responsibility. The laboratory reports the said information in the test report and is not liable for the same, (5) The testing conditions are followed as per the reported test standard. For additional test conditions apart from the reported test conditions laboratory can be contacted for details

Test Report No. GGN/H(RO)/23/002313



Dated 2023.09.29

Summary of Test Result(s)

<u>oannia j</u>	(or root resource)	
S. No.	Test(s)	Conclusion (#)
1.	Heavy Metals {Lead, Cadmium, Mercury, Hexavalent chromium (Cr (VI)}	Pass
(#) For details regarding specification(s) / regulation(s) based on which compliance is decided, refer test		
details.		

Material list / List of material(s) (As confirmed by applicant)

Component No.	Component description	Material	Color
А	Copper Anode	Copper	Copper

Sampling plan (As requested by applicant)

S. No.	Test	Component No.
1.	Heavy Metals {Lead, Cadmium, Mercury, Hexavalent chromium (Cr (VI)}	A

Phone: +91 (124) 6199699 Email: Anuradha.Dhamija@tuvsu Registered Office: TÜV SÜD South Asia Pvt. Ltd. TÜV SÜD House Off Saki Vihar Road Saki Naka, Andheri

Test Report No. GGN/H(RO)/23/002313 Dated 2023.09.29



Test Result(s):

Heavy metals

Test Specification(s): RoHS Directive (EU) 2015/863 (RoHS3) amending Annex II of 2011/65/EU (RoHS2) (Recasting 2002/95/EC) and all valid & relevant amending RoHS directives.

Test method(s) adopted: IEC 62321-4:2013+AMD1:2017 CSV (For determination of mercury), IEC 62321-5: 2013 (For determination of lead, cadmium and chromium); IEC 62321-7-2: 2017 (For determination of hexavalent chromium):

Equipment(s) / Technique used: (For Cd, Hg, & Pb) ICP – MS (Inductively Coupled Plasma – Mass Spectrometer) / {For Cr (VI)} UV (Ultra-violet – Visible Spectrophotometer)}.

		Test Result (%) – Component No.		Compliance Requirement /
S. No.	Heavy metal	Α	LOQ (%)	Limit Max. (%)
1.	Cadmium (as Cd)	ND	0.001	0.01
2.	Mercury (Hg)	ND	0.001	0.1
3.	Lead (Pb)	ND	0.001	0.1
Conclusion Pass				
Note: (*) Result has been concluded based on total chromium present in the sample.				

Heavy metal {Hexavalent Chromium. Cr (VI)} content

Test Specification(s): RoHS Directive (EU) 2015/863 (RoHS3) amending Annex II of 2011/65/EU (RoHS2) (Recasting 2002/95/EC) and all valid & relevant amending RoHS directives.

Test method(s) adopted: IEC 62321-7-1: 2015.

Equipment(s) / Technique used: UV (Ultra-violet – Visible Spectrophotometer)}.

S. No.	Component No.	Test Result	Conclusion
1.	А	Negative	Pass (*)

^(*) Conclusion of "Pass" is being drawn based on the Qualitative result, "Negative" or the sample coating is to be considered as a "Non-Cr(VI) based coating". As per the "Test Specification(s)" considered, the maximum permissible limit for the parameter tested is 0.1 % or 1000 mg/kg:

Abbreviations

(1) "mg/kg" denotes milligram per kilogram & is equivalent to ppm (parts per million); (2) "ND" denotes Not Detected or below limit of quantification. (3) "%" denotes percent & conversion from % to mg/kg can be done by multiplying with 10,000.

--- END OF THE TEST REPORT ---