

# Test Report

Report No.: STL20240308002E

Report Date: 2024-03-12

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Applicant : GUANGDONG YICHANGSHENG(YONGXIE) METALLIC MATERIAL CO.,LTD

Address : Xiaobian Xinhe Industrial Park, Chang'an Town, Dongguan City, Guangdong

The following merchandise was submitted and identified by client as:

Sample Name : Copper Alloy

Order No. : /

Style No. : /

Number of Sample : 1PC

Received Date : 2024-03-08

Tested Date: : 2024-03-08 To 2024-03-11

## Test Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(s)
1	Submitted sample	RoHS Directive 2011/65/EU and its subsequent amendments 2015/863/EU	Pass

Approved:



Technical Director



The report is invalid without the special seal for the test report and the signature of the approver. The report is invalid if altered. The test results are only responsible for the incoming samples. Any objection to the test report shall be raised within 15 days from the date of receiving the report, and shall not be accepted within the time limit. The test report shall not be copied (except full-text copy) without written approval. The test report is only used for customers' scientific research, teaching, internal quality control, product research and development and other purposes. It is only for internal reference and has no certification role in domestic society.

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## Test Result(s)

### 1. RoHS - Lead (Pb)/Cadmium(Cd)/Mercury(Hg)/Hexavalent Chromium(Cr<sup>6+</sup>)/PBBs/PBDEs:

Test Method: With reference to IEC62321-5: 2013, IEC62321-4: 2013+AMD1:2017, IEC 62321-7-1: 2015, IEC 62321-6:2015, analyzed by AAS & ICP-OES & GC-MS & UV-Vis.

Test Item(s)	RL (mg/kg)	Limit (mg/kg)	Test result (mg/kg)
			1
Lead(Pb)	5	1000	36571 <sup>#1</sup>
Cadmium(Cd)	5	100	68
Mercury(Hg)	5	1000	N.D
Hexavalent Chromium(CrVI)▼	--	1000	Negative
<b>Polybrominated Biphenyls (PBBs)</b>	--	1000	N.D
Monobromobiphenyl	5	--	N.D
Dibromobiphenyl	5	--	N.D
Tribromobiphenyl	5	--	N.D
Tetrabromobiphenyl	5	--	N.D
Pentabromobiphenyl	5	--	N.D
Hexabromobiphenyl	5	--	N.D
Heptabromobiphenyl	5	--	N.D
Octabromobiphenyl	5	--	N.D
Nonabromobiphenyl	5	--	N.D
Decabromobiphenyl	5	--	N.D
<b>Polybrominated DiphenylEthers (PBDEs)</b>	--	1000	N.D
Monobromodiphenyl ether	5	--	N.D
Dibromodiphenyl ether	5	--	N.D

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Test Item(s)	RL (mg/kg)	Limit (mg/kg)	Test result (mg/kg)
			1
Tribromodiphenyl ether	5	--	N.D
Tetrabromodiphenyl ether	5	--	N.D
Pentabromodiphenyl ether	5	--	N.D
Hexabromodiphenyl ether	5	--	N.D
Heptabromodiphenyl ether	5	--	N.D
Octabromodiphenyl ether	5	--	N.D
Nonabromodiphenyl ether	5	--	N.D
Decabromodiphenyl ether	5	--	N.D
Conclusion			Pass

- Remark:**
- 1) 0.1%=1000mg/kg
  - 2) RL = Reporting Limit
  - 3) N.D = Not Detected (< RL)
  - 4) "--"=unspecified  
“▼”=a. when Cr(VI) in a sample is detected above 0.13  $\mu\text{g}/\text{cm}^2$ ,the sample is considered to be Positive for Cr(VI).  
b. when Cr(VI) in a sample is detected below 0.10  $\mu\text{g}/\text{cm}^2$ , the sample is considered to be Negative for Cr(VI).  
c. when Cr(VI) in a sample is detected between 0.10  $\mu\text{g}/\text{cm}^2$  and 0.13  $\mu\text{g}/\text{cm}^2$  ,the result was Inconclusive.
  - 5) #1=This material is copper alloy proved by client, Lead as a copper alloy containing up to 40000ppm on the requirements of RoHS Directive 2011/65/EU and its subsequent amendments 2015/863/EU.
  - 6)

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## 2. RoHS - Phthalates

Test Method: With reference to IEC 62321-8: 2017, analyzed by GC-MS.

Test Item(s)		RL (mg/kg)	CAS No.	Limit (mg/kg)	Test result (mg/kg)
					1
Diisobutyl phthalate	(DIBP)	50	84-69-5	1000	N.D
Dibutyl phthalate	(DBP)	50	84-74-2	1000	N.D
Benzylbutyl phthalate	(BBP)	50	85-68-7	1000	N.D
Bis(2-ethylhexyl)phthalate	(DEHP)	50	117-81-7	1000	N.D
Conclusion					Pass

**Remark:**

- 1) 0.1%=1000mg/kg
- 2) RL = Reporting Limit
- 3) N.D = Not Detected (< RL)

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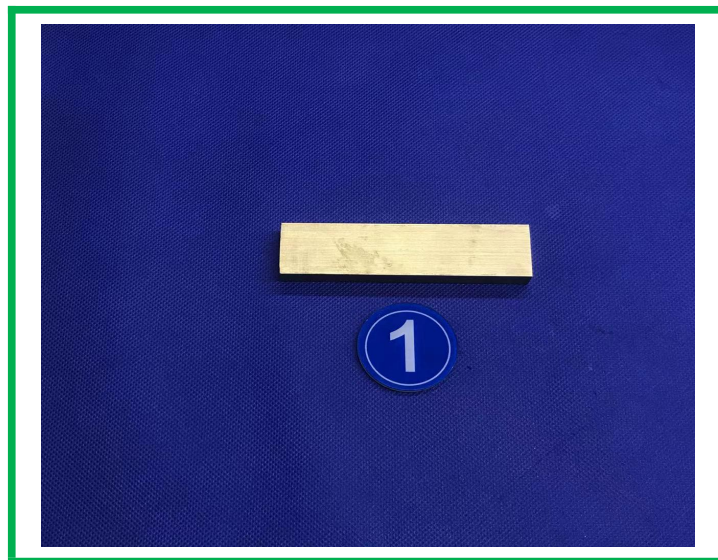
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## Test Material list:

No.	Sample Description	Location
1	Gold Metal	Copper Alloy

## Sample(s) Photo



----- End of Report -----

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