

Test Report

Report No.: STL2024111605E

Report Date: 2024-12-03

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Applicant : Guangzhou Zhuodie Jewelry Co.,Ltd.
Address : 904 East Block, No.9 Liuhua Road, Liwan District,Guangzhou, Guangdong, China
(Office use only)

The following merchandise was submitted and identified by client as:

Sample Name : Necklace
Order No. : /
Item No. : SY-N0140
Manufacturer : Guangzhou Zhoudie Jewelry Co.,Ltd.
Number of Sample : 1PC
Received Date : 2024-11-16
Tested Date: : 2024-11-16 To 2024-11-23
Test Request : 1. Total Lead (Pb)
2. Total Cadmium (Cd)
3. Nickel Release

Test Result(s): Please refer to next page(s)

Approved:

Raymond

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 Requested and Conclusion(s):

No.	Test Sample	Standard and Requirement	Conclusion(s)
1	Submitted sample	Annex XVII items 63 of the REACH Regulation (EC) No 1907/2006 & amended (EU) No 836/2012 - Lead content	PASS
2	Submitted sample	Annex XVII items 23 of the REACH Regulation (EC) No 1907/2006 & COMMISSION REGULATION (EU) No 494/2011 - Total cadmium (Cd)	PASS
3	Submitted sample	Annex XVII items 27 of the REACH Regulation (EC) No 1907/2006 & amended (EC) No. 552/2009 - Nickel Release	PASS

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Test Result(s)

1. Total Lead (Pb):

Test Method: With reference to IEC 62321-5:2013 , analyzed by AAS.

Test Item(s)	RL (mg/kg)	Limit (mg/kg)	Test result (mg/kg)
			1
Lead (Pb)	10	500	21
Conclusion			Pass

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

2. Total Cadmium (Cd):

Test Method: With reference to IEC 62321-5:2013 , analyzed by AAS.

Test Item(s)	RL (mg/kg)	Limit (mg/kg)	Test result (mg/kg)
			1
Cadmium (Cd)	10	100	N.D
Conclusion			Pass

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

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3. Nickel Release:

Test Method: With reference to EN 12472:2020 & EN 1811 :2023, and analyzed by AAS.

Test Item	RL ($\mu\text{g}/\text{cm}^2/\text{week}$)	Limit ($\mu\text{g}/\text{cm}^2/\text{week}$)	Test result($\mu\text{g}/\text{cm}^2/\text{week}$)
			1
Nickel Release	0.05	0.5	N.D
Conclusion			Pass

Remark: 1) $\mu\text{g}/\text{cm}^2/\text{week}$ = microgram per square centimeter per wee

2) RL = Reporting Limit

3) N.D = Not Detected (< RL)

For products in direct contact with human skin for a long time, the nickel release limit is $0.5\mu\text{g}/\text{cm}^2/\text{week}$. Comments are given according to Annex A of EN 1811:2023 as below:

4) When the nickel release value is greater than or equal to $0.88\mu\text{g}/\text{cm}^2/\text{week}$, the product is judged as unqualified.

When the nickel release value is less than $0.88\mu\text{g}/\text{cm}^2/\text{week}$, the product is judged as qualified.

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Test Material list:

No.	Sample Description	Location
1	Gold metal	Necklace-Main body

Sample(s) Photo



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

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