





TEST REPORT

Test information

Applicant	: JR hando stainless steel jewelry accessories.
Address	: NO.101310,Street 5, District 1, Yiwu international trade market (Gate 8).
Sample Description	: Hair pin.
PO#	: Not provided.
Country of origin	: China.
Receiving Date	: October 26, 2023.
Test period	: October 26, 2023.~November 04, 2023.
Test Requested	: Tests requested in accordance to client requirement.

<u>TEST ITEMS</u>	<u>CONCLUSIONS</u>
Lead(Pb) test - Entry 63 of Annex XVII of REACH Regulation (EC)No 1907/2006 Amended by Commission Regulation (EU) 2015/628	PASS
Total Cadmium(Cd) Content - Entry 23 of Commission Regulation (EU) No 835/2012 Amending Annex XVII of REACH Regulation (EC) No 1907/2006.	PASS
Entry 27 of Regulation (EC)No 552/2009 Amending Annex XVII of REACH Regulation(EC)No 1907/2006 on the release of Nickel content(formerly known as 94/27/EC and its amendment directive 2004/96/EC)	PASS

Signed for and on behalf of
RTS TEST CO., LTD.


BINBIN ZOU
Approved signatory



Scan to follow us



Scan for authenticity

Sample image:



**Test result:****A. Lead(Pb) content test:** (Unit: mg/kg)

Entry 63 of Annex XVII of REACH Regulation (EC)No 1907/2006 Amended by Commission Regulation (EU) 2015/628-Lead(Pb) test.

Test method: RTS-ZY-008 As per Metal- CPSC-CH-E1001-08.3; Nonmetal- CPSC-CH-E1002-08.3 or Surface coating- CPSC-CH-E1003-09.1, Was analyzed by flame atomic absorption spectrometry(AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Number	Item/ component description(s)				
A1	Golden plating metal (casting) (cross & heart & rectangle)				
Test item	Test Number	MDL	Test Result	Maximum permissible limit	Conclusion
Lead (Pb)	A1▲	5	N.D.	500	PASS

Note:

- 1) MDL=Method Detection Limit.
- 2) N.D. = not detected, less than MDL.
- 3)“▲” = This data is obtained from composite testing on more than one materials or shapes, it is possible that result obtained from individual testing on any one of the materials or shapes is substantially higher. Please be cautious when using this data for compliance evaluation.

B. Cadmium(Cd) content test: (Unit: mg/kg)

Entry 23 of Commission Regulation (EU) No 835/2012 Amending Annex XVII of REACH Regulation (EC) No 1907/2006.

Test method: RTS-ZY-008 As per Metal- CPSC-CH-E1001-08.3; Nonmetal- CPSC-CH-E1002-08.3 or Surface coating- CPSC-CH-E1003-09.1, Was analyzed by flame atomic absorption spectrometry(AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES).

Test Number	Item/ component description(s)				
A1	Golden plating metal (casting) (cross & heart & rectangle)				
Test item	Test Number	MDL	Test Result	Maximum permissible limit	Conclusion
Cadmium (Cd)	A1▲	5	N.D.	100	PASS

Note:

- 1) MDL=Method Detection Limit.
- 2) N.D. = not detected, less than MDL.
- 3)“▲” = This data is obtained from composite testing on more than one materials or shapes, it is possible that result obtained from individual testing on any one of the materials is substantially higher. Please be cautious when using this data for compliance evaluation.

Zhejiang RTS Test Co., LTD.

Phone: +86(0)579-85640080
Email: ruiyi-8@zj-rt.com
<http://www.irtslab.cn>
浙江省义乌市稠江街道英才创业园B区7幢2-4层.
2-4/f, Building 7, Block B, Ying cai Business Park,
Choujiang Street, Yiwu, Zhejiang.

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or available on request. Attention is drawn to the limitation of liability ,indemnification and jurisdictional policies defined therein .The results shown in this Test report refer only to the sample(s) tested unless otherwise stated This test report shall not be reproduced ,except in full, without written approval of the Company. If in doubt, please write an email.

**C. Nickel Release content: (Unit: $\mu\text{g}\cdot\text{cm}^{-2}\cdot\text{week}^{-1}$)**

Entry 27 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 on the release of Nickel content(formerly known as 94/27/EC and its amendment directive 2004/96/EC)

Test Method: According to EN 12472:2020 & BS EN 1811:2023 / BS EN 1811:2023. Analysis was performed by ICP-OES.

Test Number	Item/ component description(s)	
A1	Golden plating metal (casting) (cross & heart & rectangle)	
Testing details	MDL	Sample No.
		A1▲
Sample Area(cm^2)	-	6.0
Volume of test solution(ml)	-	5
Nickel Release-Trial 4	0.01	N.D.
Nickel Release-Trial 5	0.01	N.D.
Nickel Release-Trial 6	0.01	N.D.
Limit value	-	0.5
Conclusion(s)	-	PASS

Note:

- 1) MDL=Method Detection Limit.
- 2) N.D. = not detected, less than MDL.
- 3)“▲” = This data is obtained from composite testing on more than one materials or shapes, it is possible that result obtained from individual testing on any one of the materials or shapes is substantially higher. Please be cautious when using this data for compliance evaluation.

Remark:

Directive	Item	Maximum Permissible Limit ($\mu\text{g}\cdot\text{cm}^{-2}\cdot\text{week}^{-1}$ of nickel migration)
Entry 27 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (formerly known as 94/27/EC and 2004/96/EC)	Products intended to come into direct and prolonged contact with skin	0.5
	All post assemblies which are inserted into pierced ears and other pierced parts of the human body	0.2

- 1) The sample of trial 1, 2 and 3 were tested according to BS EN 1811:2023.
- 2) The sample of trial 4, 5 and 6 were tested according to EN 12472:2020 & BS EN 1811:2023.
- 3) For articles intended to come into direct and prolonged contact with the skin:
According to BS EN 1811:2023 Article shall be accepted and be permitted to be placed on the market if the measured value is less than $0.88\mu\text{g}\cdot\text{cm}^{-2}\cdot\text{week}^{-1}$.
- 4) For all post piercing assemblies inserted into pierced ears and other pierced parts of the human body:
According to BS EN 1811:2023 Article shall be accepted and be permitted to be placed on the market if the measured value is less than $0.35\mu\text{g}\cdot\text{cm}^{-2}\cdot\text{week}^{-1}$.

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

Zhejiang RTS Test Co., LTD.

Phone: +86(0)579-85640080

Email: ruiyi-@zj-rt.com

<http://www.irtslab.cn>

浙江省义乌市稠江街道英才创业园B区7幢2-4层.
2-4/f, Building 7, Block B, Ying cai Business Park,
Choujiang Street, Yiwu, Zhejiang.

This Test Report is issued by the Company subject to its General Conditions of Service printed overleaf or available on request. Attention is drawn to the limitation of liability ,indemnification and jurisdictional policies defined therein .The results shown in this Test report refer only to the sample(s) tested unless otherwise stated This test report shall not be reproduced ,except in full, without written approval of the Company. If in doubt, please write an email.