



TEST REPORT

Test information

Applicant	: SHAOXING ORANGE IMP.&EXP. CO.,LTD
Address	: 2nd Floor, Building 4, No. 28 Gaoxin Road, Choujiang Street, Yiwu City, Jinhua, Zhejiang Province, China
Product name	: Earring
Country of Origin	: China
Receiving Date	: Dec 09,2025
Test period	: Dec 09,2025~Dec 18,2025
Test Requested	: Tests requested in accordance to client requirement.

TEST ITEMS	CONCLUSION
Total Lead (Pb) - Entry 63 of Commission Regulation (EU) 2015/628&(EU) 2023/923 Amending Annex XVII of REACH Regulation (EC) No 1907/2006	PASS
Total Cadmium(Cd) - Entry 23 of Commission Regulation (EU) No 835/2012 Amending Annex XVII of REACH Regulation (EC) No 1907/2006	PASS
Nickel Release Content Test - Entry 27 of Regulation (EC) No 552/2009 Amending Annex XVII of REACH Regulation (EC) No 1907/2006 on the release of Nickel content.	PASS
Nickel Release Screening - Nickel Release Screening	PASS

DATA = see results or see next page.

Signed for and on behalf of
Zhejiang RTS Test Co., LTD

邹宾宾

Approved signatory



Scan for authenticity



Scan to follow us

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Sample Image:



**TEST RESULT:****1.Total Lead (Pb)-Entry 63 of Commission Regulation (EU) 2015/628&(EU) 2023/923 Amending Annex XVII of REACH Regulation (EC) No 1907/2006(Unit:mg/kg)****Test Method:**CPSC-CH-E1001-08.3,Was analysed by AAS.

Material No.	Item/ component description(s)	Material	Color	Remark
001	Silvery metal ear pin 1#	metal	Silvery	-
002	Silvery metal ear pin2#	metal	Silvery	-

No.	Test Item	CAS No.	MDL	Limit	Result
					001+002
1	Lead(Pb)	7439-92-1	5	≤ 500	N.D.
Conclusion					PASS

Note:

1. N.D. = not detected, less than MDL(Method Detection Limit)

2.Total Cadmium(Cd)-Entry 23 of Commission Regulation (EU) No 835/2012 Amending Annex XVII of REACH Regulation (EC) No 1907/2006(Unit:mg/kg)**Test Method:**Refer to CPSC-CH-E1001-08.3,Was analysed by AAS.

Material No.	Item/ component description(s)	Material	Color	Remark
001	Silvery metal ear pin 1#	metal	Silvery	-
002	Silvery metal ear pin2#	metal	Silvery	-

No.	Test Item	CAS No.	MDL	Limit	Result
					001+002
1	Cadmium(Cd)	7440-43-9	5	≤ 100	N.D.
Conclusion					PASS

Note:

1. N.D. = not detected, less than MDL(Method Detection Limit)

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3.Nickel Release Content Test-Entry 27 of Regulation (EC) No 552/2009 Amending Annex XVII of REACH Regulation (EC) No 1907/2006 on the release of Nickel content.

Test Method:BS EN 1811:2023,was analysed by ICP-OES.

Material No.	Item/ component description(s)	Material	Color	Remark
001	Silvery metal ear pin 1#	metal	Silvery	-
002	Silvery metal ear pin2#	metal	Silvery	-

No.	Test Item	MDL	Limit	Result
				001+002
1	Test area cm ²	-	-	0.4
2	Artificial sweat volume mL	-	-	0.5
3	Nickel release-trial 1 ug.cm ⁻² .week ⁻¹	0.01	≤ 0.2	N.D.
4	Nickel release-trial 2 ug.cm ⁻² .week ⁻¹	0.01	≤ 0.2	N.D.
5	Nickel release-trial 3 ug.cm ⁻² .week ⁻¹	0.01	≤ 0.2	N.D.
Conclusion				PASS

Note:

1. N.D. = not detected, less than MDL(Method Detection Limit).

Remark:

Directive	Item	Maximum Permissible Limit (µg.cm ⁻² .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.	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) For articles intended to come into direct and prolonged contact with the skin:

According to BS EN1811:2023 Article shall be accepted and be permitted to be placed on the market if the measured value is less than 0.88µg.cm⁻².week⁻¹.

2) For all post piercing assemblies inserted into pierced ears and other pierced parts of the human body:

According to BS EN1811:2023 Article shall be accepted and be permitted to be placed on the market if the measured value is less than 0.35µg.cm².week⁻¹.

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4.Nickel Release Screening-Nickel Release Screening(Unit:ug.cm⁻².week⁻¹)**Test Method:**BSI PD CR 12471:2022

Material No.	Item/ component description(s)	Material	Color	Remark
003	Golden metal ear pin	metal	Golden	-

No.	Test Item	MDL	Limit	Result
				003
1	Screening test for nickel release	-	Negative	Negative
Conclusion				PASS

Note:

1. Positive result: formation of a red colour, from light pink to strong cerise, with dimethylglyoxime indicates that the nickel release from a tested surface is likely to be greater than 0.5µg.cm⁻².week⁻¹.
2. Negative result: No colour change in both or either of these tests. indicates an absence of nickel release. The apparent absence of nickel release should be confirmed by BS EN 1811:2023 & EN 12472:2020.
3. Uncertain result: apart from nickel, colouration in these can occur from metals such as cobalt, copper and palladium and mask any red colouration from nickel, where colours other than red are obtained.
4. In the event of a positive result with the screening test, manufacturers and importers are advised that the tested article may not be compliant with its respective limiting nickel release value.

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

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