

Test Report No. F690101/LF-CTSAYHA20-10987 Issued Date: 2020. 08. 26 Page 1 of 3

SALAMANDER JEWELRY CO., LTD.
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 Phutthamonthon sai 4 road, Tambon kratumlom ampur sampran
 Nakhon pathom 73220, Thailand

The following sample(s) was/were submitted and identified by/on behalf of the client as:-

SGS File No.	: AYHA20-10987
Sample Description	: RGBC-PIN-1.2-10.0-4
Style no./Item no.	: -
Order No.	: -
Buyer	: -
Manufacturer	: -
Country of Origin	: -
Country of Destination	: -
Received Date	: 2020. 08. 14
Test Period	: 2020. 08. 14 to 2020. 08. 26
Test Method	: For further details, please refer to following page (s)
Test Results	: For further details, please refer to following page (s)
Report Comments	: The results shown in this test report refer only to the sample(s) tested unless otherwise stated. This test report is not related to Korea Laboratory Accreditation Scheme.
Result Summary	:

Test Requested	Conclusion
To determine the Rate of Ni Release for compliance with entries 27 of European regulation (EC) No. 1907/2006 (REACH) Annex XVII and Regulation (EC) No. 552/2009 (previously restricted under Directive 94/27/EC and 2004/96/EC)	PASS

SGS Korea Co., Ltd.



Tommy Oh / Chemical Lab Mgr

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Results :

Nickel Release

Test Method: EN 1811:2011+A1:2015. Analysis was performed by ICP-OES.
(Simulation of wear and corrosion – EN 12472:2005+A1:2009 is applied for non-nickel containing coated component)

Test item	Sample Area (cm ²)	Volume of Test Solution (mL)	Nickel Release (µg/cm ² /week)	Conclusion
			<u>1</u>	
1	1.17	10.00	N.D.	PASS

Sample Description :

- Rose gold PVD coated surgical steel pin

- Note:
1. µg/cm²/week = microgram per square centimeter per week
 2. N.D. = Not detected
 3. Detection Limit = 0.10 µg/cm²/week
 4. Test was conducted in one trial as per client's request.
 5. Recommend Max. Limit:
 - Non-body piercing article 0.5 µg/cm²/week
 - Body piercing article 0.2 µg/cm²/week

- Remark:
1. Limit specified by entry 27 of Regulation (EC) No 552/2009 amending Annex XVII of REACH Regulation (EC) No 1907/2006 (previously restricted under Directive 94/27/EC and 2004/96/EC).
 2. According to the Commission Communication 2016/C 014/04, published in the OJEU, the EN 1811:2011+A1:2015 is adopted as the harmonized standards under entry 27 of Annex XVII to REACH starting from 15 January 2016.

Comments are given according to Annex A of EN 1811:2011+ A1:2015 as below:

Type of sample	Nickel Release (µg/cm ² /week)	
	PASS	FAIL
Non-body piercing article with Nickel release limit of 0.5µg/cm ² /week	< 0.88	≥ 0.88
Body piercing article with Nickel release limit of 0.2µg/cm ² /week	< 0.35	≥ 0.35

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Picture of Sample as Received :

**AYHA20-10987**

*** End of Report ***

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