

## Test Report No. F690101/LF-CTSAYHA20-10986 Issued Date: 2020. 08. 26 Page 1 of 3

**SALAMANDER JEWELRY CO., LTD.**  
 128/1 Moo 7, Soi wat Nakhon, Chuenchum  
 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.** : AYHA20-10986  
**Sample Description** : GPBC-PIN-1.2-6.0-3  
**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 <sup>2</sup> )	Volume of Test Solution (mL)	Nickel Release (µg/cm <sup>2</sup> /week)	Conclusion
			<u>1</u>	
1	0.77	10.00	N.D.	<b>PASS</b>

**Sample Description :**

1. Gold PVD coated surgical steel pin

- Note:
1. µg/cm<sup>2</sup>/week = microgram per square centimeter per week
  2. N.D. = Not detected
  3. Detection Limit = 0.10 µg/cm<sup>2</sup>/week
  4. Test was conducted in one trial as per client's request.
  5. Recommend Max. Limit:
    - Non-body piercing article    0.5 µg/cm<sup>2</sup>/week
    - Body piercing article        0.2 µg/cm<sup>2</sup>/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 <sup>2</sup> /week)	
	PASS	FAIL
Non-body piercing article with Nickel release limit of 0.5µg/cm <sup>2</sup> /week	< 0.88	≥ 0.88
Body piercing article with Nickel release limit of 0.2µg/cm <sup>2</sup> /week	< 0.35	≥ 0.35

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## Picture of Sample as Received :



AYHA20-10986

\*\*\* End of Report \*\*\*

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