

Test Report

No. F690101/LF-CTSAYHA20-10984

Issued Date: 2020. 08. 26

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SALAMANDER JEWELRY CO., LTD.
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 Phutthamonthon sai 4 road, Tambon kratumlor 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. | : AYHA20-10984 |
| Sample Description | : BKBL-PIN-1.6-22.0 |
| 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 | 1.33 | 10.00 | N.D. | PASS |

Sample Description :

1. Black 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 :



AYHA20-10984

*** End of Report ***

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