

Test Report No. 3450790

Date : 13-Jan-2017

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**Client : Bodysteel and Silver Co.,Ltd.  
63 Moo 5, Soi Wat Bang-Co Yaek Rong-Foam,Kanchanaphisek Road,  
Bang Ma-Nang,Bang Yai, Nonthaburi 11140 Thailand**

The following sample(s) was/were submitted and identified by client as:

Sample Name : ERI-02/EM  
Sample Description : SS316L RINGS  
Sample No. : 3533813  
Sample Condition : Sample is contained in a plastic bag.  
Quantity Submitted : 3 pcs  
Manufacturer/Vendor : Bodysteel and Silver Co.,Ltd.  
Country of Origin : Thailand  
Sample Receiving Date : 15-Dec-2016  
Testing Period : 15-Dec-2016 to 28-Dec-2016

Test Method & Results : Please refer to next page(s).

**Signed for and on behalf of  
SGS (Thailand) Limited**



**Rutchuporn Mungsom  
Laboratory manager - Toy and Hardgood**

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**TEST RESULTS**

**Nickel Release (With Non - Coated Material) (REACH)**  
**Test Method : EN 1811:2011+A1:2015. Analysis was performed by ICP-MS.**

**For non-body piercing article**

-	CAS-No.	Result
Sample Area (cm2)	-	11.28
Volume of Test Solution (ml)	-	20
Nickel Release Trial 1 (ug/cm2/week)	-	n.d.
Nickel Release Trial 2 (ug/cm2/week)	-	n.d.
Nickel Release Trial 3 (ug/cm2/week)	-	n.d.
Conclusion	-	PASS

Sample Description :

1.Metal ring

Note:

- 1. ug/cm2/week = microgram per square centimeter per week
- 2. n.d.= Not detected
- 3. Detection Limit = 0.1 (ug/cm2/week)
- 4. Recommend Max. Limit:
  - Non-body piercing article 0.5 (ug/cm2/week)
  - Body piercing article 0.2 (ug/cm2/week)

Remark: 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).

According to the Commission Communication 2016/C 014/04, published in the OJEU, the EN 1811:2011+A1:2015 is adopted as the harmonised standards under entry 27 of Annex XVII to REACH starting from 15 January 2016.

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**TEST RESULTS**

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

Type of sample	Nickel Release (ug/cm2/week) (PASS)	Nickel Release (ug/cm2/week) (FAIL)
Article with Nickel release limit of 0.5 ug/cm2/week	< 0.88	>/=0.88
Article with Nickel release limit of 0.2 ug/cm2/week	< 0.35	>/=0.35

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SAMPLE/ATTACHMENT PICTURE



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

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