

**Test Report No.** 3885360

Date : 18-May-2018

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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 : TUNNEL  
 Sample No. : 4000032  
 Sample Condition : Sample is contained in a plastic bag.  
 Quantity Submitted : 3 pcs  
 Part No. : BG-BFTR-16  
 Manufacturer/Vendor : Bodysteel and Silver Co.,Ltd.  
 Country of Origin : Thailand  
 Sample Receiving Date : 7-May-2018  
 Testing Period : 7-May-2018 to 18-May-2018

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

**Test Requested & Result Summary**

Test Requested : Please refer to the result summary (Test parameter(s) was/were selected by client).

Result Summary:

Test Requested	Conclusion
1) 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 & 2004/96/EC) - Nickel release	PASS

Remark: Test results in this report are applicable for the item tested and reflects the tested sample as received.

**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 Coated Material) (REACH)**

Test Method : EN 1811:2011+A1:2015. Analysis was performed by ICP-MS.

(Simulation of wear and corrosion - EN 12472:2005+A1:2009 is applied for non-nickel containing coated component)

**For body piercing article**

-	CAS-No.	Result (1)
Sample Area (cm2)	-	12.88
Volume of Test Solution (ml)	-	20
Nickel Release Trial 1 (ug/cm2/week)	-	0.10
Nickel Release Trial 2 (ug/cm2/week)	-	n.d.
Nickel Release Trial 3 (ug/cm2/week)	-	n.d.
Conclusion	-	PASS

Sample Description :

1. Gold metal

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.

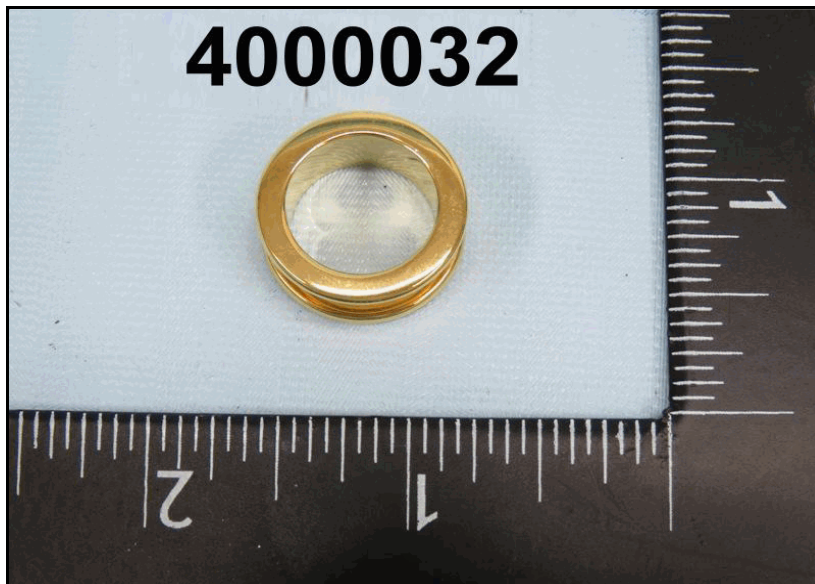
Comments are given according to Annex A of EN 1811:2011+A1:2015 as below:

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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