

**Test Report No.** 5492413

**Date** : 16-Feb-2023

**Page 1 of 4**

**Client** : **Acha Co.,Ltd.**  
**247,249 Tanao Rd.**  
**Bavornives, Pranakorn Bangkok 10200 Thailand**

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

Sample Name : LB20G  
Sample Description : Body Jewelry Part

The following sample(s) was/were identified by SGS as:

SGS Sample No. : 5743219  
Sample Condition : Sample is contained in a plastic bag.  
Quantity Submitted : 5 pcs  
Sample Receiving Date : 2-Feb-2023  
Testing Period : 2-Feb-2023 to 16-Feb-2023

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  
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

Conclusion  
FAIL

Remark:

1. Test results in this report are applicable for the item tested and reflects the tested sample as received.
2. The decision rules based on the requested specification or standard.

**Signed for and on behalf of**  
**SGS (Thailand) Ltd.**



**Rutchuporn Mounsom**  
**Laboratory manager - Toy and Hard goods**

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5194126



NSC-TISI-TIS 17025  
Testing 0013

SGS (Thailand) Limited

Test Report No. 5492413

Date : 16-Feb-2023

Page 2 of 4

## TEST RESULTS

### Nickel Release\*\*\*

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

	CAS-No.	Result (1)# (ug/cm2/week)	Result (2)# (ug/cm2/week)
Sample Area (cm2)	-	0.33	0.25
Volume of Test Solution (ml)	-	5	5
Nickel Release - Trial 1 - Measurement 1	-	n.d.	2.45
Nickel Release - Trial 1 - Measurement 2	-	n.d.	2.47
Nickel Release - Trial 2 - Measurement 1	-	n.d.	n.d.
Nickel Release - Trial 2 - Measurement 2	-	n.d.	n.d.
Nickel Release - Trial 3 - Measurement 1	-	n.d.	n.d.
Nickel Release - Trial 3 - Measurement 2	-	n.d.	n.d.
Conclusion	-	PASS	FAIL^

Sample Description :

1. Metal stud
2. Metal post

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5194126

**Test Report No.** 5492413

**Date** : 16-Feb-2023

**Page 3 of 4**

## TEST RESULTS

Note:

1. ug/cm<sup>2</sup>/week = microgram per square centimeter per week
2. n.d.= Not detected
3. ^ = Exceed the limit
4. # = Negative finding by Nickel spot test is observed based on CR 12471:2002 Clause 5.3.4. Simulation of wear and corrosion according to EN 12472:2005+A1:2009 has been applied prior to the EN 1811:2011+A1:2015.
5. Detection Limit = 0.1 ug/cm<sup>2</sup>/week
6. The test item(s) marked \*\*\* on test report is/are analyzed at SGS (Thailand) Limited, address: 10, 10/1 - 4 and 12 Soi Rama III S. 59, Chong Nonsi, Yan Nawa, Bangkok.

Recommend Max. Limit:

Non-body piercing article 0.5 ug/cm<sup>2</sup>/week

Body piercing article 0.2 ug/cm<sup>2</sup>/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/cm <sup>2</sup> /week) (PASS)	Nickel Release (ug/cm <sup>2</sup> /week) (FAIL)
Article with Nickel release limit of 0.5 ug/cm <sup>2</sup> /week	< 0.88	>/=0.88
Article with Nickel release limit of 0.2 ug/cm <sup>2</sup> /week	< 0.35	>/=0.35

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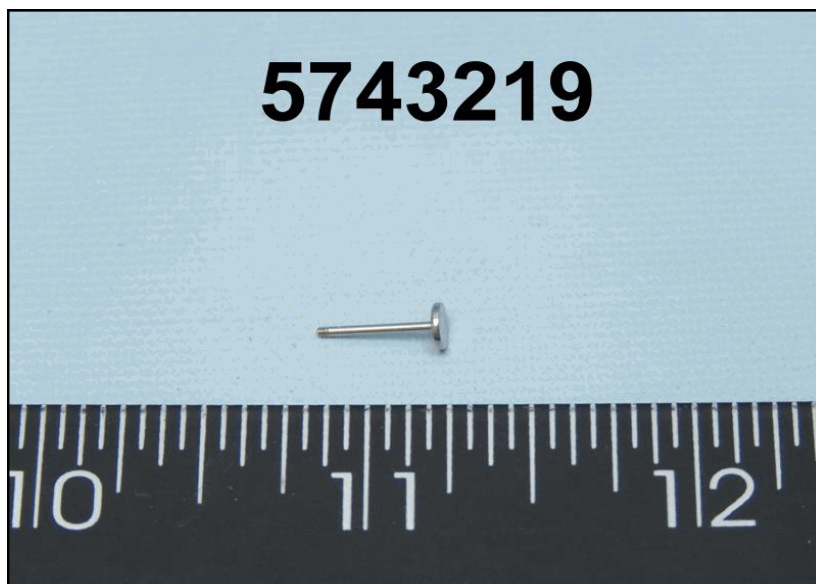
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Test Report No. 5492413

Date : 16-Feb-2023

Page 4 of 4

# SAMPLE/ATTACHMENT PICTURE



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

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