

Test Report No. 6006937

Date : 18-Sep-2024

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**Client : PHOENIX MANUFACTURING CO.,LTD.
70/3, 70/4 MOO 15, POOCHAO SAMING PRAI RD.,
BANG YA PHRAEK, PHRA PRADAENG, SAMUTPRAKAN 10130 THAILAND**

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

Sample Name : Silver Round Crystal Stud Earrings - 845124
Sample Description : Silver Stud Earrings

Manufacturer/Vendor : Phoenix Manufacturing
Country of Origin : Thailand
Country of Destination : Thailand

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

SGS Sample No. : 6316422
Sample Condition : As per attached photograph.
Quantity Submitted : 12 prs.
Sample Receiving Date : 4-Sep-2024
Testing Period : 4-Sep-2024 to 18-Sep-2024

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

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



**Rutchuporn Mounsom
Toys and Hardlines Laboratory Manager**



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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 63 of Commission Regulation (EU) 2015/628 amending Annex XVII of REACH Regulation (EC) No 1907/2006	----
a) Total lead content for lead and lead compounds (Jewellery)#	PASS
2) Entry 23 of Commission Regulation (EU) 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Cadmium and its compounds#	PASS
3) 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:

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 simple acceptance which the probability of false accept may be as high as 50% in case the results is exactly on the tolerance limit.
3. ## ; The decision rules based on the requested specification or standard.

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TEST RESULTS

1) Entry 63 of Commission Regulation (EU) 2015/628 amending Annex XVII of REACH Regulation (EC) No 1907/2006.

a) Total lead content for Jewellery **

Method : Metal materials including Children's Metal Jewellery - With reference to CPSC Test Method: CPSC-CH-E1001-08.3 - Standard Operating Procedure for Determining Heavy Metal in Children's Metal Products. Analysis was performed by ICP-OES.

Test Item	Result (1) (%)	Result (2) (%)	Reporting Limit (%)	Permissible Limit (%)
Lead (Pb)	ND	ND	0.005	0.05
Comment	PASS	PASS	--	--

Test Item	Result (3) (%)	Reporting Limit (%)	Permissible Limit (%)
Lead (Pb)	ND	0.005	0.05
Comment	PASS	--	--

Sample description :

1. Silver metal stud
2. Silver metal post
3. Silver metal stopper

Note: 1. % = percentage by weight
2. 1% = 10000 mg/kg
3. ND = Not Detected

Remark: 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 but not included in the NSC-ONSC accreditation scope.

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TEST RESULTS

Total lead content for Jewellery**

Method : With reference to CPSC Test Method: CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Heavy Metal in Non-Metal Children Product. Analysis was performed by ICP-OES.

Test Item	Result (4) (%)	Reporting Limit (%)	Permissible Limit (%)
Lead (Pb)	ND	0.005	0.05
Comment	PASS	--	--

Sample description :

4. Clear crystal

Note: 1. % = percentage by weight

2. 1% = 10000 mg/kg

3. ND = Not Detected

Remark: 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 but not included in the NSC-ONSC accreditation scope.

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TEST RESULTS

2) Total Cadmium Content**

Test Method: With reference to CPSC Test Method: CPSC-CH-E1001-08.3. Analysis was performed by ICP-OES.

Test Item	Result (1) (%)	Result (2) (%)	Reporting limit (%)	Permissible Limit (%)
Cadmium (Cd)	ND	ND	0.005	0.01
Conclusion	PASS	PASS	--	--

Test Item	Result (3) (%)	Reporting limit (%)	Permissible Limit (%)
Cadmium (Cd)	ND	0.005	0.01
Conclusion	PASS	--	--

Sample description :

1. Silver metal stud
2. Silver metal post
3. Silver metal stopper

Note: 1. % = percentage by weight
2. 1% = 10000 mg/kg
3. ND = Not Detected

Remark:

1. Permissible Limit specified by Commission Regulation (EU) No 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006
2. 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 but not included in the NSC-ONSC accreditation scope.

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TEST RESULTS

Total Cadmium Content**

Method : With reference to EN 1122:2001 Method B. Analysis was performed by ICP-OES

Test Item	Result (4) (%)	Reporting Limit (%)	Permissible Limit (%)
Cadmium (Cd)	ND	0.0002	0.01
Comment	PASS	--	--

Sample description :

4. Clear crystal

Note: 1. % = percentage by weight

2. 1% = 10000 mg/kg

3. ND = Not Detected

Remark:

1. Permissible Limit specified by Commission Regulation (EU) No 2016/217 amending Annex XVII of REACH Regulation (EC) No 1907/2006

2. 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 but not included in the NSC-ONSC accreditation scope.

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TEST RESULTS

3) Nickel Release***

Test Method: EN 1811:2023. Analysis was performed by ICP-MS.

	CAS-No.	Result (1)# (ug/cm2/week)	Result (2)# (ug/cm2/week)	Result (3)# (ug/cm2/week)
Sample Area (cm2)	-	1.16	0.47	1.64
Volume of Test Solution (ml)	-	1.20	0.50	1.70
Nickel Release - Trial 1 - Measurement 1	-	n.d.	n.d.	n.d.
Nickel Release - Trial 1 - Measurement 2	-	n.d.	n.d.	n.d.
Nickel Release - Trial 2 - Measurement 1	-	n.d.	n.d.	n.d.
Nickel Release - Trial 2 - Measurement 2	-	n.d.	n.d.	n.d.
Nickel Release - Trial 3 - Measurement 1	-	n.d.	n.d.	n.d.
Nickel Release - Trial 3 - Measurement 2	-	n.d.	n.d.	n.d.
Conclusion	-	PASS	PASS	PASS

Sample description :

1. Silver metal stud
2. Silver metal post
3. Silver metal stopper

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TEST RESULTS

Note:

1. ug/cm2/week = microgram per square centimeter per week
2. n.d.= Not detected
3. # = Negative finding by Nickel spot test is observed based on CEN/TR 12471:2022. Simulation of wear and corrosion according to EN 12472:2020 has been applied prior to the EN 1811:2023.
4. Detection Limit = 0.1 ug/cm2/week
5. 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/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).

Comments are given according to Annex A of EN 1811: 2023 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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