

TEST REPORT

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For the attention of	: <u>Erkan Fevzioğlu, Asım Mutlu</u>

Sample Description	: A) Silver-Purple Piercing B) Silver-Pink Piercing C) Silver Stick Piercing D) Black Stick Piercing E) Silver Hoop Piercing F) Silver-Multicolour Bead Piercing
Brand	: Not Provided
Supplier	: İmplantgrade Kuyumculuk İth. İhr. Ve Tic. Ltd. Şti.
Order No	: 680
Reference No	: A24738577
Colour	: Not Provided
Proposed Fibre Composition	: Not Provided
Proposed Care Instruction	: Not Provided
Proposed Fabric Weight	: Not Provided
Sample Reception Date	: 21.06.2022
Resubmit Date	: -
Analysis Starting Date	: 21.06.2022
Analysis Ending Date	: 30.06.2022
Test Scope	: Nickel Release, Total Lead, Total Cadmium
Service Type	: Regular
Result Summary	: PASS

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***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****



EUROFINS TÜKETİCİ ÜRÜNLERİ TEST HİZMETLERİ A.Ş.
Mahmutbey Mh. 2538. Sk. No:6/11 Bağcılar / İSTANBUL
Güneşli V.D.: 383 045 1120

Signed for and on behalf of Eurofins Tüketici Ürünleri Test Hizmetleri A.Ş.

The following test(s) was (were) performed on submitted sample(s) and/or component(s) confirmed by applicant. Tests marked ♦ in this report are not included in the scope of accreditation. Tests marked o in this report are subcontracted within Eurofins Group and is accredited. Tests marked □ in this report are subcontracted within Eurofins Group and is not accredited. Tests marked ▢ in this report are subcontracted outside Eurofins Group and is accredited. Tests marked ■ in this report are subcontracted outside Eurofins Group and is not accredited. Unless otherwise requested, this laboratory applies shared risk decision rule. Unless otherwise specified, the uncertainty of measurement has not been taken into account when assessing pass/fail of the sample against the requirements of the standard. The reported uncertainty is based on a standard uncertainty multiplied by a coverage factor k=2, providing a level of confidence of approximately 95 %. The uncertainty evaluation has been carried out in accordance with ISO/IEC 17025 requirements. The uncertainty originating from the sample have not been included to the uncertainty measurement and the sample is tested in the laboratory as received.

Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins Consumer Product Testing Turkey ensures that this job has been performed according to our Quality System and complying contract and legal conditions. Test uncertainties not reported are at customer disposal. If you happen to have any comments, please do it by sending email to CPT.Turkey@eurofins.com and referring to this report number.

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Result Summary

TEST(S) CONDUCTED		CONCLUSION
Test(s)	Test Method / Regulation	Pass/Fail
Nickel Release	EN 1811+A1:2015 EN 12472:2020	P
Total Lead	EN 16711-1:2015	P
Total Cadmium	EN 1122:2001	P

* Result conformity assessment was made according to 2022/12 SAYILI Ürün Güvenliği ve Denetimi Tebliği Kapsamı.

P	: Meets buyer's requirement
F	: Does not meet buyer' s requirement
NR	: No requirement
SC	: Still continues
LS	: Lack of sample
I	: Inconclusive

1. Component List

Sample ID	Material No	Sample Description & Color	Material
A	A1	Silver Metal Base	Metal
A	A2	Silver Metal Small Base	Metal
A	A3	Purple Plastic Big Bead	Plastic
B	B1	Silver Metal Base	Metal
B	B2	Silver Metal Small Base	Metal
B	B3	Pink Plastic Big Bead	Plastic
C	C1	Silver Metal Stick Base	Metal
C	C2	Silver Metal Bead	Metal
D	D1	Black Metal Stick Base	Metal
D	D2	Black Metal Bead	Metal
E	E1	Silver Stone Designed Hoop Base	Metal
F	F1	Silver-Multicolor Bead Base	Metal

*** TO BE CONTINUED ***

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2. Results

Nickel Release Test

EN 1811+A1:2015

EN 12472:2020

EN 12472: Method for the simulation of wear and corrosion for the detection of nickel release from coated items.

EN 1811: Reference test method for release of nickel from all post assemblies which are inserted into pierced parts of the human body and articles intended to come into direct and prolonged contact with the skin.

Material No		A1	B1	C1	D1	E1	F1
Surface Area		cm ²	1.21	1.39	2.05	0.63	0.40
Dilution Volume		mL	5	5	10	5	5
Nickel release	Trial - 1	$\mu\text{g}/\text{cm}^2/\text{week}$	N.D.	N.D.	0.06	N.D.	N.D.
	Trial - 2		N.D.	N.D.	0.06	N.D.	N.D.
	Trial - 3		N.D.	N.D.	-	N.D.	N.D.
Conclusion			P	P	P	P	P

Remark:

Detection limit : **0.05 $\mu\text{g}/\text{cm}^2/\text{week}$**
N.D. : **Not Detected**
Requirement : **$\leq 0.5 \mu\text{g}/\text{cm}^2/\text{week}$**
Measurement : **$\pm 8\%$**
Uncertainty

Remark:

*For materials and articles coming into direct and prolonged contact with the skin the migration limit is $0.5 \mu\text{g}/\text{cm}^2/\text{week}$. According to EN 1811:2011+A1:2015, considering the combined measurement uncertainty of the method, these materials/articles shall be accepted and be permitted to be placed on the market if the measured nickel release value is less than $0.88 \mu\text{g}/\text{cm}^2/\text{week}$.

Material No		A2	B2	C2	D2
Surface Area		cm ²	1.21	1.39	0.35
Dilution Volume		mL	5	5	5
Nickel release	Trial - 1	$\mu\text{g}/\text{cm}^2/\text{week}$	N.D.	N.D.	N.D.
	Trial - 2		N.D.	N.D.	N.D.
	Trial - 3		N.D.	N.D.	N.D.
Conclusion			P	P	P

Remark:

Detection limit : **0.05 $\mu\text{g}/\text{cm}^2/\text{week}$**
N.D. : **Not Detected**
Requirement : **$\leq 0.2 \mu\text{g}/\text{cm}^2/\text{week}$**
Measurement : **$\pm 8\%$**
Uncertainty

Remark:

*For all post piercing assemblies inserted into pierced ears and other pierced parts of the human body the migration limit is $0.2 \mu\text{g}/\text{cm}^2/\text{week}$. According to EN 1811:2011+A1:2015, considering the combined measurement uncertainty of the method, these materials/articles shall be accepted and be permitted to be placed on the market if the measured nickel release value is less than $0.35 \mu\text{g}/\text{cm}^2/\text{week}$.

*** TO BE CONTINUED ***

Total Lead

EN 16711-1:2015

Determination of Total Metal Content Using Microwave Digestion and Analysis by ICP-MS

Material No	A1+A2	A3+A4	B1+B2	B3
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Metals	Result(s)	Result(s)	Result(s)	Result(s)
Lead (Pb)	N.D.	N.D.	N.D.	N.D.
Conclusion	P	P	P	P

Material No	C1+C2	D1+D2	E1	F1
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Metals	Result(s)	Result(s)	Result(s)	Result(s)
Lead (Pb)	N.D.	N.D.	N.D.	N.D.
Conclusion	P	P	P	P

Remark:

Detection limit : 0.50 mg/kg
N.D. : Not Detected
Requirement : < 500 mg/kg
Measurement Uncertainty : $\pm\%$ 22

Total Cadmium

EN 1122:2001

Wet decomposition method and analysis by ICP-MS

Material No	A1+A2	A3+A4	B1+B2	B3
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Substance(s)	Result(s)	Result(s)	Result(s)	Result(s)
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.
Conclusion	P	P	P	P

Material No	C1+C2	D1+D2	E1	F1
Unit	mg/kg	mg/kg	mg/kg	mg/kg
Substance(s)	Result(s)	Result(s)	Result(s)	Result(s)
Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.
Conclusion	P	P	P	P

Remark:

Detection limit : 0.5 mg/kg
N.D. : Not Detected
Requirement : < 100 mg/kg
Measurement Uncertainty : $\pm\%$ 12

*** TO BE CONTINUED ***

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3. Photo



*** END OF THE REPORT ***

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