

MUTUAL CORNELL

Patrick McCarthy
Stiletto Piercing Supply
4356 Indianola Ave
Columbus, OH 43214

June 12, 2024

PO Number: *****
SKU Number: Nose Chains & Rings
UPC: *****
Item Description: Body Jewelry Assorted
Sample Date: 5/23/24

CERTIFICATE OF ANALYSIS
Date Submitted: 5/28/24
24081329-1



ASTM F2923-20

Sample Type: Body Piercing Jewelry
Analyzed by: SH on 05/30/24

		Age Range: 0 to 96 Months		
Test Property	Test Method	Test Principle / Requirements		Test Results / Comments
Heavy Metals				
Lead in Substrate (Pb) Total	ASTM F2923-20 Section 5&6	0.010%	(100 ppm)	PASS
Lead in Surface Coating (Pb) Total	ASTM F2923-20 Section 5	0.009%	(90 ppm)	N/A
Arsenic (As) Soluble	ASTM F2923-20 Section 8	0.0025%	(25 ppm)	N/A
Mercury (Hg) Soluble	<u>Surface Coatings:</u> CPSC-CH-E1003-09.1	0.006%	(60 ppm)	N/A
Selenium (Se) Soluble	<u>Metal Substrate</u> CPSC-CH-E1001-08.3	0.05%	(500 ppm)	N/A
Antimony (Sb) Soluble	<u>Non-Metal Substrate</u> CPSC-CH-E1002-08.3	0.006%	(60 ppm)	N/A
Cadmium (Cd) Soluble		0.0075%	(75 ppm)	N/A
Cadmium (Cd) Total	US 16 CFR 1303	0.004%	(40 ppm) Washington State	PASS
Barium (Ba) Soluble	ASTM F963-17	0.100%	(1000 ppm)	N/A
Chromium (Cr) Soluble		0.006%	(60 ppm)	N/A
Nickel Release	ASTM F2923-20 Sec. 10 EN 1811:2011-05+A1:2015 EN12472:2020-11	Post assemblies - 0.2 Micrograms/cm ² per week. Products that are in prolonged skin contact - 0.5 Micrograms/cm ² per week.		N/A
Phthalates California Proposition 65 Phthalates: DBP, BBP, DEHP, DNOP, DINP, DIDP (DnHP) Consumer Product Safety Improvement Act (CPSIA) of 2008 Phthalates: DCHP, DIBP, DBP, DPP, DnHP, BBP, DEHP, DINP	ASTM F2923-20 Section 11 CPSC-CH-C1001-09.4 Solvent extraction/GC/MS	Maximum concentration limit of 0.100 %/wt (1000 ppm) DCHP DIBP DBP DPP DnHP BBP DEHP DNOP DINP DIDP		N/A

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ISO/IEC
17025:2017
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AT - 1404

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 24081329-1

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 Analyzed by: SH on 05/30/24

Mechanical Test Property	Test Method	Test Principle / Requirements	Test Results / Comments
Body Piercing Jewelry	ASTM F2923-20 Section 7 Table 3	Body piercing jewelry designed and intended primarily for children 12 and under shall be made exclusively of surgical implant stainless steel, surgical implant grade titanium, Niobium (Nb), solid 14 karat or higher white or nickel-free gold, solid platinum. A dense, low-porosity plastic, including, but not limited to, Tygon or Polytetrafluoroethylene (PTFE) if the plastic contains no intentionally added lead.	PASS
Liquid Filled Jewelry	ASTM F2923-20 Section 12	Children's jewelry should not contain any materials listed 16 CFR 1500.231 or materials that require special labeling under 16 CFR 1500.14.	N/A
Magnets	ASTM F2923-20 Section 13.1 ASTM F963-17	<p>Children's jewelry shall not have an as-received hazardous magnet or as-received hazardous magnetic component with the exception of children's jewelry that complies with 12.1.3</p> <p>Children's jewelry shall not liberate a hazardous magnet or magnetic component after being tested in accordance with magnet use and abuse testing as specified in 13.2</p> <p>Children's jewelry intended for children under 8 years of age or older consisting of earrings, brooches, necklaces or bracelets which contain loose as-received hazardous magnets or as-received hazardous magnetic component, as well as their instructions, if any, shall include a warning statement</p> <p>Earrings: WARNING Contains small magnets. Swallowed or inhaled magnets can attract through and squeeze intestines or other body tissue, causing serious injury or death. Seek immediate medical attention if swallowed or inhaled. Use only on ears. Prolonged wearing can form a hole in body tissue. Change earring position regularly to release pressure. Do not keep on overnight.</p> <p>For All other Jewelry: WARNING Contains small magnets. Swallowed or inhaled magnets can attract through and squeeze intestines or other body tissue, causing serious death. Seek immediate medical attention if swallowed</p>	N/A

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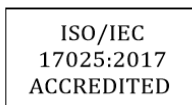
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Sample Type: Body Piercing Jewelry
 Analyzed by: SH on 05/30/24

Mechanical Test Property	Test Method	Test Principle / Requirements	Test Results / Comments
Breakaway Feaures and Releases	ASTM F2923-20 Sec.13.2	Children's jewelry intended to be attached around the neck shall release, either by designed breakaway feature, attachment design, or physical properties of the material, when subjected to 15 lb of tension in accordance with the breakaway tension test descibed in 13.1	N/A
Sharp Edges	ASTM F2923-20 Sec.13.3 16 CFR 1500.49	Shall have no accessible sharp edges before and after appropriate use and abuse testing	PASS
Sharp Points	ASTM F2923-20 Sec.13.3 16 CFR 1500.48	Shall have no accessible sharp points before and after appropriate use and abuse testing.	PASS
Small Parts	ASTM F2923-20 Sec.13.4	Childrens jewelry is subject to the applicable exemptions of 16 CFR 1501.3	PASS

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Mechanical Test Property	Test Method	Test Principle / Requirements	Test Results / Comments
Battery Operated jewelry	ASTM F2923-20 Section 13.6 16 CFR 1500.50-53	<p>For all children's jewelry with batteries, batteries that fit completely within the small parts test cylinder not be accessible before or after use and abuse testing in accordance with 16 CFR 1500.50-53 (as applicable), without the use of a coin, screwdriver, or other common household tool. Testing is performed using the recommended batteries installed.</p> <p>For children's jewelry that use more than one replaceable battery in one circuit, the instructions or the product shall be marked with the following (or equivalent) information:</p> <ul style="list-style-type: none"> ▪ Do not mix old and new batteries ▪ Do not mix alkaline, standard (carbon-zinc), or re-chargeable (nickel-cadmium) batteries <p>Children's jewelry with non-replaceable batteries that are accessible with the use of a coin screwdriver, or other common household tool shall shall bear a statement that the battery is not replaceable.</p> <p>Battery-operated children's jewelry shall be designed so that it is not possible to charge any non-rechargeable battery.</p> <p>Children's jewelry shall be marked permanently on the battery compartment or on the area immediately adjacent to the battery compartment to show the correct battery polarity using the polarity symbols "+" and "-".</p>	N/A

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Analyzed by: JM on 6/4/24

Sample Type: Body Piercing Jewelry

Total Lead and Cadmium in Substrates and Surface Coatings

Specifications for Lead in Children's Jewelry & Exclusions from Lead Content Testing Requirements in Children's Jewelry
ASTM F2923-20 Section 5 & 6 & 9

#	Accessible components	Lead ppm	Lead Limit (ppm)	Cadmium ppm	Cadmium Limit (ppm)
1	Nose chain & rings (combined)	< 20	100	< 10	40



Surface Coatings
N/A



Soluble metals in Paints & Surface Coatings

Specification for Antimony, Arsenic, Barium, Cadmium, Chromium, Mercury and Selenium in Paint & Surface Coatings of Children's Jewelry
ASTM F2923-20 Section 8

#	Surface Coatings	Cadmium 75 ppm	Arsenic 25 ppm	Mercury 60 ppm	Selenium 500 ppm	Antimony 60 ppm	Barium 1000 ppm	Chromium 60 ppm
	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A

Method Reporting Limit (ppm)	10	20	10	20	20	10	10
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The reference method was CPSC-CH-E1001-08.3 and/or CPSC-CH-E1003-09.1 and/or CPSC-CH-E1002-08.3 with instrument parameters set in accordance with Perkin-Elmer Atomic Absorption and Inductively Coupled Plasma Metals Testing Procedures for the analysis of Metals. Test report shall not be reproduced except in full, without written approval of the laboratory.

Method Reporting Limit for Lead 20 ppm and for Cadmium 10 ppm

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 Sample Date: 5/23/24
 Analyzed by: on

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N/A	
Nickel Release Pass/Fail limits	
Non-piercing components	Limit
Pass	< 0.88
Fail	> 0.88
Piercing components	Limit
Pass	< 0.35
Fail	≥ 0.35

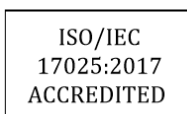
Nickel Release

Specification for Nickel in Metal Components of Children's Jewelry
 ASTM F2923-14 Section 10

#	Non-piercing components	Nickel	Unit	Result
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The reference method is EN 12472:2020-11, "The Method for Simulation of Wear and Corrosion for the Detection of Nickel Release from Coated Items" and EN 1811:2011-05+A1:2015 "The Reference Test Method for Release of Nickel from all post assemblies which are inserted into pierced parts of the human body and Products intended to come into Direct and Prolonged Contact with the Skin."

Note: Item tested as a whole as per EN 1811:2011-05+A1:2015 Annex C Section C.4.2.1
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 Method Reporting Limit for Nickel 0.05



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 Sample Type: Body Piercing Jewelry

CERTIFICATE OF ANALYSIS
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 24081329-1

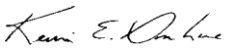
N/A	
Consumer Product Safety Improvement Act (CPSIA) of 2008 and California Proposition 65	
Maximum Allowable Limits: Phthalates	
DCHP	0.10% (1,000 ppm)
DIBP	0.10% (1,000 ppm)
DBP	0.10% (1,000 ppm)
DPP	0.10% (1,000 ppm)
DnHP	0.10% (1,000 ppm)
BBP	0.10% (1,000 ppm)
DEHP	0.10% (1,000 ppm)
DNOP	0.10% (1,000 ppm)
DINP	0.10% (1,000 ppm)
DIDP	0.10% (1,000 ppm)

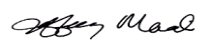
Analyzed by: on

#	Components	DCHP	DIBP	DBP	DPP	DnHP	BBP	DEHP	DNOP	DINP	DIDP
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Method Reporting Limit	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01
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Unit: %wt.


 Kevin E. Donahue
 Laboratory Director


 Jeff Mascoli
 Laboratory Manager

Samples were analyzed in accordance with CPSC-CH-C1001-09.4 Standard Operating Procedures for Determination of Phthalates January, 2017.
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24081329-1

14Kt Gold - PASS

Item Description: Nose Chains and Rings (combined)
Sample Type: Jewelry

Analyzed by: ED on 6/6/24

Component	Requirement	Tolerance	Minimum	Gold Content	Unit
Nose chain & rings (combined)	58.33	0.300	58.03	64.17	%wt



Kevin E. Donahue

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Laboratory Director

Jeff Mascoli

Jeff Mascoli
Laboratory Manager

MCE SOP for Determining Corrected Silver Content in Metal Components (Modified version of ASTM E1335 and E2295-03)
MCE SOP for Determining Gold Content in Metal Components (Modified version of ASTM E1335-08)
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