MUTUAL CORNELL

Ryan Dreyfuss
Ember Body Jewelry
6255 S.Durango Dr. #110
Las Vegas, NV 89113

April 21, 2023

CERTIFICATE OF ANALYSIS
Date Submitted: 04/14/23
23078217-1

PO Number: N/A
Style number: 01Hybrid - yellow
Sample Desc.: Yellow Tone Hoop Earring (Hoop Only)
Sample Date: 04/10/23

XRF Assay Composition

Date Analyzed: 04/17/23
Analyzed by: MS

	Results	Unit
Copper	29.508	%/wt.
Gold	58.260	%/wt.
Nickel	0.224	%/wt.
Silver	5.130	%/wt.
Zinc	6.878	%/wt.

Note: XRF test results indicate a 14K gold alloy with no plate.

Kevin E. Donahue
Laboratory Director

Jeff Mascoli
Laboratory Manager

The above results were obtained using a Fischer Technologies Fischerscope XAN-DPP-X-Ray Fluoroscope (XRF).
After grinding test results indicate the approximate assay composition of the substrate base metal only.
The measurement error is within +/- 5.0% of the measured values per typical instrumental methods.
Samples submitted by customer, results relate only to items tested.

136 Corliss Street, Providence, RI 02904
Telephone: (401) 274-9999
www.mutualcornell.com

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Las Vegas, NV 89113

April 21, 2023

CERTIFICATE OF ANALYSIS
Date Submitted: 04/14/23
23078217-2

XRF Assay Composition

PO Number: N/A
Style number: 02Hybrid - white
Sample Desc.: White Tone Hoop Earring (Hoop Only)
Sample Date: 04/10/23

Date Analyzed: 04/17/23
Analyzed by: MS

	Results	Unit
Copper	6.788	%/wt.
Gold	58.138	%/wt.
Nickel	0.432	%/wt.
Rhodium	0.340	%/wt.
Silver	32.460	%/wt.
Zinc	1.842	%/wt.

Note: XRF test results indicate a 14K gold alloy with a rhodium plate.

Kevin E. Donahue
Laboratory Director

Jeff Mascoli
Laboratory Manager

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Las Vegas, NV 89113

April 21, 2023

CERTIFICATE OF ANALYSIS
Date Submitted: 04/14/23
23078217-3
XRF Assay Composition

PO Number: N/A
Style number: 03Hybrid-rose
Sample Desc.: Rose Gold Tone Hoop Earring (Hoop Only)
Sample Date: 04/10/23

Date Analyzed: 04/17/23
Analyzed by: MS

	Results	Unit
Copper	39.572	%/wt.
Gold	58.324	%/wt.
Nickel	0.170	%/wt.
Silver	1.676	%/wt.
Zinc	0.258	%/wt.

Note: XRF test results indicate a 14K gold alloy with no plate.

Kevin E. Donahue
Laboratory Director

Jeff Mascoli
Laboratory Manager

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After grinding test results indicate the approximate assay composition of the substrate base metal only.
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6255 S.Durango Dr. #110
Las Vegas, NV 89113

July 19, 2023

CERTIFICATE OF ANALYSIS
Date Submitted: 07/10/23
23078889-3

PO Number: N/A
SKU Number: 14K Rose Gold
UPC:
Item Description: 14K Rose Gold Earring
Sample Date: 07/07/23

ASTM F2923-20

Analyzed by: MS on 07/10/23

Test Property	Test Method	Age Range: 3 years and up 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	Surface Coatings: CPSC-CH-E1003-09.1	0.006% (60 ppm)	N/A
Selenium (Se) Soluble	Metal Substrate CPSC-CH-E1001-08.3	0.05% (500 ppm)	N/A
Antimony (Sb) Soluble	Non-Metal Substrate 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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July 19, 2023

CERTIFICATE OF ANALYSIS

PO Number: N/A
SKU Number: 14K Rose Gold
UPC:
Item Description: 14K Rose Gold Earring
Sample Date: 07/07/23

Date Submitted: 07/10/23
23078889-3

Analyzed by: MS on 07/10/23

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**	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 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 Chldren'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 Earrings: WARING 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. 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	N/A

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July 19, 2023

CERTIFICATE OF ANALYSIS
Date Submitted: 07/10/23
23078889-3

PO Number: N/A
SKU Number: 14K Rose Gold
UPC:
Item Description: 14K Rose Gold Earring
Sample Date: 07/07/23

Analyzed by: MS on 07/10/23

Test Property	Test Method	Test Principle / Requirements	Test Results / Comments
Breakaway Feaures and Releases	ASTM F2923-20 Sec.13.1	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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ISO/IEC 17025:2017 ACCREDITED

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ANAB ANSI National Accreditation Board ACCREDITED ISO/IEC 17025 TESTING LABORATORY AT - 1404

MUTUAL CORNELL

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Las Vegas, NV 89113

July 19, 2023

CERTIFICATE OF ANALYSIS

PO Number: N/A
SKU Number: 14K Rose Gold
UPC:
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Sample Date: 07/07/23

Date Submitted: 07/10/23
23078889-3

Analyzed by: MS on 07/10/23

Test Property	Test Method	Test Principle / Requirements	Test Results / Comments
Battery Operated jewelry	ASTM F2923-20 Section 13.6 16 CFR 1500.50-53	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 using the recommended batteries installed. 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: ▪ Do not mix old and new batteries ▪ Do not mix alkaline, standard (carbon-zinc), or re-chargeable (nickel-cadmium) batteries 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. Battery-operated children's jewelry shall be designed so that it is not possible to charge any non-rechargeable battery. 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 "–".	N/A

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July 19, 2023

CERTIFICATE OF ANALYSIS

PO Number: N/A
Date Submitted: 07/10/23
SKU Number: 14K Rose Gold
23078889-3
UPC:
Item Description: 14K Rose Gold Earring
Sample Date: 07/07/23

Analyzed by: JM on

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	Rose gold hoop	< 20	100	< 10	40
2	Post	< 20	100	< 10	40

Non-metal components
N/A

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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July 19, 2023

CERTIFICATE OF ANALYSIS

PO Number: N/A
SKU Number: 14K Rose Gold
UPC Number:

Date Submitted: 07/10/23
23078889-3

Item description: 14K Rose Gold Earring
Sample Date: 07/07/23
Analyzed by: on
Samples submitted by customer, results relate only to items tested.

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 F2923-20 Section 10

#	Non-piercing components	Nickel	Unit	Result

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

Method Reporting Limit for Nickel 0.05

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July 19, 2023

CERTIFICATE OF ANALYSIS
Date Submitted: 07/10/23
23078889-3

SKU Number: N/A
ASIN number: 14K Rose Gold
UPC Number:

Item Description: 14K Rose Gold Earring
Sample Date: 07/07/23

Analyzed by: on

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)

#	Components	DCHP	DIBP	DBP	DPP	DnHP	BBP	DEHP	DNOP	DINP	DIDP
Method Reporting Limit		0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01	0.01

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.
Samples submitted by customer, results relate only to items tested.

MUTUAL CORNELL

Ryan Dreyfuss
Ember Body Jewelry
6255 S Durango Drive 110
Las Vewgas, NV 89113

August 24, 2023

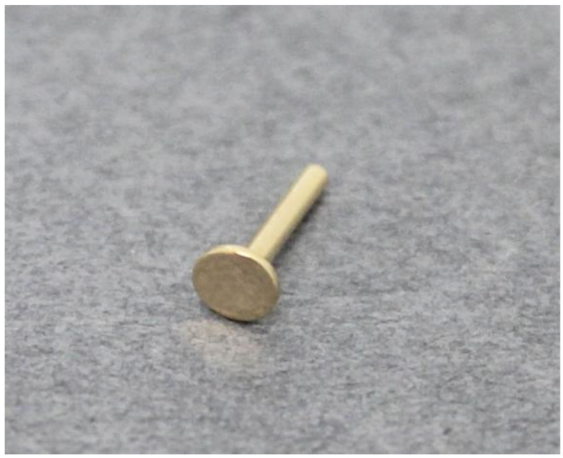
CERTIFICATE OF ANALYSIS
Date Submitted: 8/22/2023
23079174-1

14kt gold - PASS

Item Number: *****
Item Description: 14Kt Gold Stud
Sample Type: *****
Vendor: *****

Analyzed by: EB on 8/23/23

Component	Requirement	Tolerence	Minimum	Gold Content	Unit
Stud	58.33	0.300	58.03	58.42	%/wt



Kevin E. Donahue
Laboratory Director

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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Providence, RI 02904
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