



CONSUMER PRODUCTS SERVICES DIVISION

**THE WALT DISNEY COMPANY
QUALITY ASSURANCE PROGRAM
UNITED STATES**

Technical Report: (5213)191-0736 (RETEST)
Date Received: July 10, 2013

July 24, 2013
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TERESA COMERFORD
DISNEY PRODUCT INTEGRITY FLORIDA
3030 MAINGATE LANE
KISSIMMEE, FL 34747
UNITED STATES

RESULT: PASS

Sample Description:	UN Y NK LYRD AC MM		
Sample Size:	8	Mfr. Style/Catalog No.:	WDP-3023-5
Country of Origin:	CHINA	P.O. No.:	0
Vendor:	UNCAS MANUFACTURING CO.	PRR No.:	1309-DW06663
Manufacturer:	UNCAS MANUFACTURING CO.	Shipping Dates:	05/16/13
Buyer:	DENISE EDELMAIER	Testing Phase:	FA - FINAL AUDIT
Buying Group:	DW	Product Category:	PG13
Labeled Age Grade:	NOT PRESENT	Sample Source:	DOMESTIC
Appropriate Age Grade:	CHILDREN PRODUCTS, OVER 4 YEARS OF AGE	UPC/SKU/ITEM No.:	400007566651
Tested Age Grade:	CHILDREN PRODUCTS, OVER 4 YEARS OF AGE	Project No.:	N/A
Size:	N/A	Season:	N/A
Size Range:	N/A	ILS #:	T794-2679-3
Cosmetic Phase:	N/A		

RETEST:

- ASTM F2923-11 Total cadmium in metal and plastic
- EC No. 1907/2006 Ni-Skin contact (EN1811:2011)
- CPSIA Total lead content in substrate(100ppm)-comp
- Client's Ni(spot+EN1811:2011 confirmation) content
- Client's Total cadmium in substrate (10ppm)-w/ Pb
- Disney CA Prop 65 Cd content in jewelry
- Disney CA Prop 65 Jewelry requirement
- Disney Cadmium content in jewelry - doc

TESTS:

The following test(s) was previously conducted and the result(s) has been transferred from Technical Report No. (5213)115-1690 dated May 16, 2013 :

- 16 CFR 1500 Mechanical hazards
- 16 CFR 1500.44 Flammability
- 19 CFR 134.11 Country of origin marking
- ASTM F2923-11 Mechanical hazards
- ASTM F2923-11 Total cadmium in metal and plastic
- CONEG - doc review
- CPSIA Total lead content in substrate(100ppm)-comp
- CPSIA Total lead content in surface coating - comp
- CPSIA Tracking labels
- Client's Ni(spot+EN1811:2011 confirmation) content
- Client's Total cadmium in coating (10ppm)-w/ Pb
- Client's Total cadmium in substrate (10ppm)-w/ Pb
- Disney CA Prop 65 Cd content in jewelry
- Disney CA Prop 65 Jewelry requirement
- Disney physical requirements
- Disney Labeling requirements
- Packaging and labeling evaluation



CORRECTIVE ACTION STATED ON TEST REQUEST FORM BY VENDOR:

RE-PLATING THE FAILURE COMPONENTS THE SILVERY METAL OF FRAME OF LOBSTER LOCK.

The sample(s) MEET the following requirement(s):

- The initial total cadmium content analysis for soluble / extractable cadmium content in metals and plastics requirements of ASTM F2923-11, "Standard Specification for Consumer Product Safety for Children's Jewelry" Section 9.
- The nickel release (articles intended to come into direct and prolonged contact with the skin) requirement of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 27, Points 1(b) and (c).
- The total lead content of 100ppm requirements by composite testing in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).
- The total cadmium content of substrate materials requirements in client's specification (10ppm).
- The total cadmium content requirements in jewelry of Disney's specification with reference to California Proposition 65 settlements. (See exhibit C01)
- The California Proposition 65 Jewelry Requirements according to The County of Alameda Case No. RG-04-162075. (See exhibit C01)
- In lieu of testing and at the request of the client, documentation has been provided which indicates compliance with the cadmium content requirements in jewelry of Disney's specification.
- The nickel (spot and confirmation tests) requirements of the client's specifications.
- The physical requirements of the client's specification.
- The mechanical hazards requirements of 16 CFR 1500, "Federal Hazardous Substances Act Regulations".
- The flammability requirements of 16 CFR 1500.3(c)(6)(vi), "Flammable solid" (FHSA regulations).
- Customs requirements on the placement of country of origin marking, 19 CFR 134.11, "Country of origin marking".
- The mechanical requirements of ASTM F2923 – 11, "Standard Specification for Consumer Product Safety for Children's Jewelry".
- In lieu of testing and at the request of the client, documentation has been provided which indicates compliance with the heavy metals content in packaging requirements of Model Toxics Legislation of the Coalition of Northeastern Governors (CONEG).
- The tracking label requirement of the Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 Tracking Labels for Children's Products.



The sample(s) MEET the following requirement(s):

- The labeling requirements of the client's specification.
- The packaging and labeling requirements of the client's testing program.
- The total lead content of 90ppm requirements of 16 CFR 1303, "Ban of lead-containing paint and certain consumer products bearing lead-containing paint" as mandated by Congress in section 101(f) of the Consumer Products Safety Improvement Act (CPSIA) of 2008, Public Law 110-314.
- The total cadmium content of surface coating requirements in client's specification (10ppm).

Note: The following tracking code was found on the submitted sample:

On product: T794-2679-3-13088

On Packaging: T794-2679-3-13088

Note: No street address for the manufacturer, packer or distributor was provided. Street address is required per UPLR, unless it can be found in a local city or telephone directory. The presence of the street address in a local directory has not been verified.

Note: The received sample(s) contained accessible surface coating material(s) of less than 10 milligrams by weight on one single sample, therefore such material(s) was not subject to the soluble heavy metals analysis of ASTM F2923-11, "Standard Specification for Consumer Product Safety for Children's Jewelry", Section 8, as specified in Section 13.3.

Note: Based on visual evaluation, there is no client's specified material(s) found in the sample(s) received for the phthalates content testing.

Note: BVHK Sample Collection for Audit is required after all requirements pass.

Note: The document review requirement of Cadmium content in substrate material (US states) was evaluated by total content screening.

BUREAU VERITAS HONG KONG LIMITED

Lai Ka Ming, Kent
Director

Toys and Juvenile Products Department

KL/ag/cc

cc: DOLORES CINIERI, UNCAS MANUFACTURING CO.
DENISE DONNELLY, UNCAS MANUFACTURING CO.
SINCLAIR KENNEY, UNCAS MANUFACTURING CO.
JEFF ZHU, UNCAS MANUFACTURING (CHINA)
RENA, UNCAS MANUFACTURING (CHINA)



RESULTS:

PART 1

The samples submitted on July 10, 2013 are as follow:

TOTAL LEAD CONTENT IN SUBSTRATE BY COMPOSITE TESTING (100PPM) (Consumer Product Safety Improvement Act (CPSIA) of 2008)

Test Method: U.S. CPSC-CH-E1001-08.1 (June 21, 2010) or U.S. CPSC-CH-E1002-08.1 (June 21, 2010).

Analyte	Lead
Requirement: Maximum allowable limit:	100 mg/kg

Analyte			Lead (Pb)	Conclusion
Sample Description			Result	
Color / Component	Location	Style	(mg/kg)	
(A) Silvery metal	Frame of lobster lock		19	Pass

LT = Less Than

** = Average of duplicate analyses*

mg/kg = milligrams per kilogram (ppm = parts per million)



RESULTS:

PART 1

TOTAL CADMIUM CONTENT IN METALS OR PLASTICS – INITIAL ANALYSIS FOR SOLUBLE / EXTRACTABLE CADMIUM CONTENT (ASTM F2923-11, Section 9)

Test Method: Acid digestion followed by Atomic Absorption Spectrophotometry or Inductively Coupled Plasma Spectrometry

Analyte	Cadmium	
Requirement: Maximum allowable limit:	300 mg/kg	

Analyte			Cadmium (Cd)		Conclusion
Sample Description			Result (mg/kg)	Pass	
Color / Component	Location	Style			
(A)	Silvery metal	Frame of lobster lock			LT 10
	Bright silvery metal	Arm of lobster lock			
	Flat silvery metal	Small loops			

LT = Less Than

* = Average of duplicate analyses

mg/kg = milligram per kilogram



RESULTS:

PART 1

CALIFORNIA PROPOSITION 65 JEWELRY REQUIREMENTS (CLIENT'S SPECIFICATION)

Test Method: EPA 3050B or EPA 3051 Acid digestion followed by Atomic Absorption Spectrophotometry
 Or Inductively Coupled Plasma Spectrometer

Classification: Children's Products aged 6 years or below

			Maximum allowable limit (Lead)
Material classification:	Band I	Elastic, fabric, ribbon, rope and string / Nature decorative materials / Plastics / Glass / crystal decorative components / Other Components	200 mg/kg
Material classification:	Band II	Electroplated Metals / Surface Coatings / Un-plated Non-Class I metal ^{#/} Pin decoration materials / Printing ink or ceramic glaze	600 mg/kg

Sample Identity	Color	Location	Style	Results	Conclusion
Material classification: Band II -					
A.	Silvery metal	Frame of lobster lock		19	Pass

mg/kg = milligrams per kilogram (ppm=parts per million)
 CR = adjusted analytical result

LT = Less Than
 * = Average of duplicate analysis

[#] Class I Metal Refers to Stainless and surgical steels, Karat gold, Sterling silver, Platinum group metals



RESULTS:

PART 1

CALIFORNIA PROPOSITION 65 TOTAL CADMIUM CONTENT IN JEWELRY (Disney's specification)

Test Method: Acid digestion followed by Atomic Absorption Spectrophotometry or Inductively Coupled Plasma Spectrometry

Analyte	Cadmium	
Requirement: Maximum allowable limit:	300 mg/kg	

Analyte			Cadmium (Cd)	Conclusion
Sample Description			Result	
Color / Component	Location	Style	(mg/kg)	
(A)	Silvery metal	Frame of lobster lock	LT 10	Pass
	Bright silvery metal	Arm of lobster lock		
	Flat silvery metal	Small loops		

LT = Less Than

* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm=parts per million)



RESULTS:

PART 1

CLIENT'S TOTAL CADMIUM CONTENT IN SUBSTRATE (10 PPM)

Analyte	Cadmium	
Requirement: Maximum allowable limit:	10 mg/kg	

Analyte			Cadmium (Cd)		Conclusion
Sample Description			Result		
Color / Component	Location	Style	(mg/kg)		
(A)	Silvery metal	Frame of lobster lock		ND	Pass
	Bright silvery metal	Arm of lobster lock			
	Flat silvery metal	Small loops			

LT = Less Than

* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm=parts per million)

ND = Less than 10 mg/kg

Note: Although the composite sample(s) meets the stated requirements, it is possible that, if tested separately, one or more of the constituents of the composite(s) may not meet the necessary requirements.



RESULTS:

PART 1

NICKEL (SPOT AND CONFIRMATION TESTS) REQUIREMENTS (Client's specifications)

First action method: European Standard PD CR 12471:2002, Screening tests for nickel release from alloys and coatings in items that come into direct and prolonged contact with the skin.

Confirmation method: European Standard EN 1811:2011, Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin.

Sample Identity	Colour / Component	Location	Style
A.	Silvery metal	Lobster lock	

Test Method	First Action Method	Confirmation Test					
	Nickel Spot Test	Nickel Release					
Requirement	Negative	0.5 µg/cm ² /week					
Sample Identity	Result	Area (cm ²)	Volume of test solution (mL)	Test Method	Trial /measurement	Result (µg/cm ² /week)	Conclusion
A.	Positive				0.16		Pass

LT = Less than
 cm² = square centimeters
 # = Insufficient sample for replicate analysis
 * = Used epoxy to protect the of area during immersion
 µg/cm² /week = micrograms per one square centimetre per week

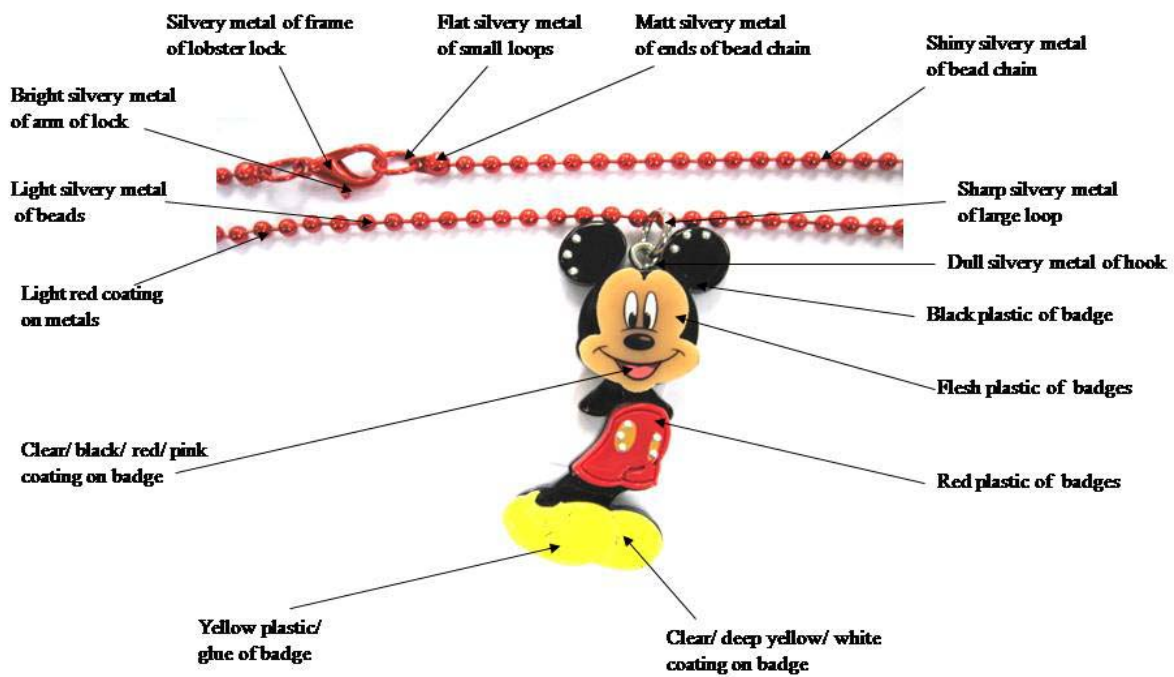
NR = Not request per client's instruction
 N/A = Not Applicable when first-action method's result negative
 TBC = To be confirmed (partial result)

Note : Based on the client's specifications, if a tested component's surface is found to be positive when tested by the spot test (first-action method), the tested component's surface shall then be tested by the confirmation test in order to determine the compliance.

Interpretation of Result(s)		
Sample Type	Description	Conclusion
ARTICLES INTENDED TO COME INTO DIRECT AND PROLONGED CONTACT WITH THE SKIN	X ≥ 0.88 ^[a]	FAIL
	0.28 ^[a] < X < 0.88 ^[a]	DATA (See Remark)
	X ≤ 0.28 ^[a]	PASS
PIERCING POST ASSEMBLIES	X ≥ 0.35 ^[b]	FAIL
	0.11 ^[b] < X < 0.35 ^[b]	DATA (See Remark)
	X ≤ 0.11 ^[b]	PASS
X = Analytical result of Nickel (Ni) release in µg/sq. cm/week ^[a] Migration limit of 0.5 mcg/sq. cm/week with the consideration of expanded measurement uncertainty. ^[b] Migration limit of 0.2 mcg/sq. cm/week with the consideration of expanded measurement uncertainty.		

RESULTS:

PART 1



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RESULTS:

PART 1

Sample Image





RESULTS:

PART 2

The test results of the samples submitted on April 25, 2013 as reported in Technical Report No. (5213)115-1690 are as follow:

TOTAL LEAD CONTENT IN SURFACE COATING BY COMPOSITE TESTING ("Ban of Lead-containing paint and certain consumer products bearing Lead-containing paint", Consumer Product Safety Improvement Act (CPSIA) of 2008)

Test Method: U.S. CPSC-CH-E1003.09.1

Element:			Lead		
Requirement: Maximum allowable limit:			90 mg/kg		
Sample Description			Result (mg/kg)		Conclusion
Color / Component	Location	Style	Overall	Potential	
(A) light red coating	metals		LT 10	---	Pass
(B) clear / black / red / pink coating	badge		40	---	Pass
(C) clear / deep yellow / white coating	badge		LT 10	---	Pass

LT = Less Than

** = Average of duplicate analyses*

mg/kg = milligrams per kilogram (ppm = parts per million)

Potential = Estimated lead content per component is based on calculation by component individual weight



RESULTS:

PART 2

TOTAL LEAD CONTENT IN SUBSTRATE BY COMPOSITE TESTING (100PPM) (Consumer Product Safety Improvement Act (CPSIA) of 2008)

Test Method: U.S. CPSC-CH-E1001-08.1 (June 21, 2010) or U.S. CPSC-CH-E1002-08.1 (June 21, 2010).

Analyte	Lead	
Requirement: Maximum allowable limit:	100 mg/kg	

Analyte			Lead (Pb)	Conclusion
Sample Description			Result (mg/kg)	
	Color / Component	Location	Style	
(A)	matt silvery metal shiny silvery metal	ends of bead chain bead chain		LT 10 Pass
(B)	sharp silvery metal dull silvery metal light silvery metal	large loop hook beads		LT 10 Pass
(C)	yellow plastic / glue	badge		LT 10 Pass
(D)	black plastic red plastic flesh plastic	badge badge badge		LT 10 Pass
(E)	bright silvery metal	arm of lobster lock		LT 10 Pass
(F)	flat silvery metal	small loops		LT 10 Pass

LT = Less Than

* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm = parts per million)



RESULTS:

PART 2

TOTAL CADMIUM CONTENT IN METALS OR PLASTICS – INITIAL ANALYSIS FOR SOLUBLE / EXTRACTABLE CADMIUM CONTENT (ASTM F2923-11, Section 9)

Test Method: Acid digestion followed by Atomic Absorption Spectrophotometry or Inductively Coupled Plasma Spectrometry

Analyte	Cadmium
Requirement: Maximum allowable limit:	300 mg/kg

Analyte			Cadmium (Cd)		Conclusion
Sample Description			Result	(mg/kg)	
	Color / Component	Location	Style		
(A)	matt silvery metal shiny silvery metal	ends of bead chain bead chain		LT 10	Pass
(B)	sharp silvery metal dull silvery metal light silvery metal	large loop hook beads		LT 10	Pass
(C)	yellow plastic / glue	badge		LT 10	Pass
(D)	black plastic red plastic flesh plastic	badge badge badge		LT 10	Pass

LT = Less Than

* = Average of duplicate analyses

mg/kg = milligram per kilogram



RESULTS:

PART 2

CALIFORNIA PROPOSITION 65 JEWELRY REQUIREMENTS (CLIENT'S SPECIFICATION)

Test Method: EPA 3050B or EPA 3051 Acid digestion followed by Atomic Absorption Spectrophotometry
 Or Inductively Coupled Plasma Spectrometer

Classification: Children's Products aged 6 years or below

	Maximum allowable limit (Lead)
Material classification: Band I Elastic, fabric, ribbon, rope and string / Nature decorative materials / Plastics / Glass / crystal decorative components / Other Components	200 mg/kg
Material classification: Band II Electroplated Metals / Surface Coatings / Un-plated Non-Class I metal ^{#/} Pin decoration materials / Printing ink or ceramic glaze	600 mg/kg

Sample Identity	Color	Location	Style	Results	Conclusion
Material classification: Band I -					
A.	yellow plastic / glue	badge		LT 10	Pass
B.	black plastic red plastic flesh plastic	badge badge badge		LT 10	Pass
Material classification: Band II -					
C.	matt silvery metal shiny silvery metal	ends of bead chain bead chain		LT 10	Pass
D.	sharp silvery metal dull silvery metal light silvery metal	large loop hook beads		LT 10	Pass
E.	light red coating	metals		LT 10	Pass
F.	clear / black / red / pink coating	badge		40	Pass



RESULTS:

PART 2

CALIFORNIA PROPOSITION 65 JEWELRY REQUIREMENTS (CLIENT'S SPECIFICATION)

Test Method: EPA 3050B or EPA 3051 Acid digestion followed by Atomic Absorption Spectrophotometry
 Or Inductively Coupled Plasma Spectrometer

Classification: Children's Products aged 6 years or below

	Maximum allowable limit (Lead)
Material classification: Band I Elastic, fabric, ribbon, rope and string / Nature decorative materials / Plastics / Glass / crystal decorative components / Other Components	200 mg/kg
Material classification: Band II Electroplated Metals / Surface Coatings / Un-plated Non-Class I metal ^{#/} Pin decoration materials / Printing ink or ceramic glaze	600 mg/kg

Sample Identity	Color	Location	Style	Results	Conclusion
Material classification: Band II -					
G.	clear / deep yellow / white coating	badge		LT 10	Pass
H.	bright silvery metal	arm of lobster lock		LT 10	Pass
I.	flat silvery metal	small loops		LT 10	Pass

mg/kg = milligrams per kilogram (ppm=parts per million)
 CR = adjusted analytical result

LT = Less Than
 * = Average of duplicate analysis

[#] Class I Metal Refers to Stainless and surgical steels, Karat gold, Sterling silver, Platinum group metals



RESULTS:

PART 2

CALIFORNIA PROPOSITION 65 TOTAL CADMIUM CONTENT IN JEWELRY (Disney's specification)

Test Method: Acid digestion followed by Atomic Absorption Spectrophotometry or Inductively Coupled Plasma Spectrometry

Analyte	Cadmium	
Requirement: Maximum allowable limit:	300 mg/kg	

Analyte			Cadmium (Cd)	Conclusion
Sample Description			Result (mg/kg)	
Color / Component	Location	Style		
(A)	matt silvery metal shiny silvery metal	ends of bead chain bead chain	LT 10	Pass
(B)	sharp silvery metal dull silvery metal light silvery metal	large loop hook beads	LT 10	Pass
(C)	yellow plastic / glue	badge	LT 10	Pass
(D)	black plastic red plastic flesh plastic	badge badge badge	LT 10	Pass
(E)	light red coating	metals	LT 10	Pass
(F)	clear / black / red / pink coating	badge	LT 10	Pass
(G)	clear / deep yellow / white coating	badge	LT 10	Pass

LT = Less Than

* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm=parts per million)



RESULTS:

PART 2

CLIENT'S TOTAL CADMIUM CONTENT IN SURFACE COATING (10PPM)

Analyte	Cadmium	
Requirement: Maximum allowable limit:	10 mg/kg	

Analyte			Cadmium (Cd)	Conclusion
Sample Description			Result	
Color / Component	Location	Style	(mg/kg)	
(A)	light red coating	metals	ND	Pass
(B)	clear / black / red / pink coating	badge	ND	Pass
(C)	clear / deep yellow / white coating	badge	ND	Pass

LT = Less Than

* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm=parts per million)

ND = Less than 10mg/kg



RESULTS:

PART 2

CLIENT'S TOTAL CADMIUM CONTENT IN SUBSTRATE (10 PPM)

Analyte	Cadmium	
Requirement: Maximum allowable limit:	10 mg/kg	

Analyte			Cadmium (Cd)		Conclusion
Sample Description			Result (mg/kg)		
Color / Component	Location	Style			
(A)	matt silvery metal shiny silvery metal	ends of bead chain bead chain		ND	Pass
(B)	sharp silvery metal dull silvery metal light silvery metal	large loop hook beads		ND	Pass
(C)	yellow plastic / glue	badge		ND	Pass
(D)	black plastic red plastic flesh plastic	badge badge badge		ND	Pass

LT = Less Than

* = Average of duplicate analyses

mg/kg = milligrams per kilogram (ppm=parts per million)

ND = Less than 10 mg/kg

Note: Although the composite sample(s) meets the stated requirements, it is possible that, if tested separately, one or more of the constituents of the composite(s) may not meet the necessary requirements.



RESULTS:

PART 2

NICKEL (SPOT AND CONFIRMATION TESTS) REQUIREMENTS (Client's specifications)

First action method: European Standard PD CR 12471:2002, Screening tests for nickel release from alloys and coatings in items that come into direct and prolonged contact with the skin.

Confirmation method: European Standard EN 1811:2011, Reference test method for release of nickel from products intended to come into direct and prolonged contact with the skin.

Test:				Nickel spot test (First-action method)	Nickel release (Confirmation test) *	Conclusion
Client's requirement (Limit):				Negative	0.5 μg/cm ² /week	
	Component	Location	Style	Result		Conclusion
A.	flat silvery metal	small loops		Negative	N/A	
B.	matt silvery metal	ends of bead chain		Negative	N/A	Pass
C.	shiny silvery metal	bead chain		Negative	N/A	Pass
D.	sharp silvery metal	large loop		Negative	N/A	Pass
E.	dull silvery metal	hook		Negative	N/A	Pass
F.	light silvery metal	beads		Negative	N/A	Pass

LT = Less than

cm² = square centimeters

= Insufficient sample for duplicate analysis

μg/cm²/week = micrograms per one square centimetre per week

NR = Not request per client's instruction

N/A = Not Applicable when first-action method's result negative

TBC = To be confirmed (partial result)

* The sample(s) was prepared according to European Standard EN 12472:2005, "Method for the simulation of wear and corrosion for the detection of nickel release from coated items", prior to the nickel release test specified in European Standard EN 1811:2011.

Note: Based on the client's specifications, if a tested component's surface is found to be positive when tested by the spot test (first-action method), the tested component's surface shall then be tested by the confirmation test in order to determine the compliance.



RESULTS:

PART 2

Sample Image

