CONSUMER PRODUCTS SERVICES DIVISION

SILVER TIMING LTD

Technical Report: **(8523)055-0174** March 17, 2023
Date Received: March 11, 2023

GRACE / TERRY
SILVER TIMING LTD
UNIT 801-802, 8/F, PIONEER PLACE
33 HOI YUAN ROAD
KWUN TONG
KOWLOON
HONG KONG

Sample Description:	NECKLACE WHITE PEARL 62IN (L)		
Vendor:	N/A	Sample Size:	12
Manufacturer:	N/A	Style No(s):	G24042T
Buyer:	OWN NAME	SKN/SKU No.:	G24042T
Labeled Age Grade:	FOR AGES 5+	PO No.:	7276
Appropriate Age Grade:	CHILDREN PRODUCTS, OVER 5 YEARS OF AGE	Ref #:	N/A
Client Specified Age Grade:	NOT SPECIFIED	Country of Origin:	CHINA
Tested Age Grade:	CHILDREN PRODUCTS, OVER 5 YEARS OF AGE	Assortment No.:	N/A
UPC Code:	721003240421	Country of Destination:	USA

EXECUTIVE SUMMARY:

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

- The cadmium content in children's jewelry requirements of California Health and Safety Code, Sections 25214.1 to 25214.4.2 (NEW – Effective on June 1, 2020).
- The material and total lead content in children's jewelry requirements of California Health and Safety Code, Sections 25214.1 to 25214.4.2 (NEW – Effective on June 1, 2020).
- The material and total lead content in children's jewelry requirements of California Proposition 65 Settlement of Alameda Superior Court Case RG-04-162075.
- The total cadmium content in jewelry requirements of California Proposition 65 Settlement of Alameda Superior Court Case RG-10-514803.
- The total lead content requirement(s) in jewelry according to the California Proposition 65 settlement(s) of Alameda Superior Court Case Number(s) RG 10-545680 and RG 10-545687.
- The total lead content of 100ppm requirements by composite testing in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).

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EXECUTIVE SUMMARY:

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

- 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 soluble heavy metals content in surface coating requirements of ASTM F2923-20, "Standard Specification for Consumer Product Safety for Children’s Jewelry", Section 8.

- The initial total cadmium content analysis for soluble / extractable cadmium content in metals and plastics requirements of ASTM F2923-20, "Standard Specification for Consumer Product Safety for Children’s Jewelry" Section 9.

Note: The sample(s) submitted do not fall within the scope of CPSIA 8 Phthalates content, CA Prop 65 Phthalates in key holders/caps/jewelry, CA PROP 65 PHTHALATES IN KEY CHAINS AND JEWELRY ORGANIZERS, thus the corresponding testing has/have not been conducted.

Note: According to the associated documents of Consumer Product Safety Improvement Act (CPSIA) of 2008, exemptions were granted to certain materials or products, such as natural materials / paper and similar materials / CMYK process printing inks / metal & alloys / electronics devices components / ordinary books / dyed & undyed textiles. Therefore, the lead content analysis of some components was not conducted.

BUREAU VERITAS SHENZHEN CO.,LTD

Choy Hon Kwong, Adams
Deputy Director
Analytical Department

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RESULTS:

SOLUBLE HEAVY METALS CONTENT IN SURFACE COATING (ASTM F2923-20 Section 8)

Test Method: ASTM International Standard ASTM F2923-20, Section 14.3

Sample Identity	Color	Location	Style
A.	pearl white coating	necklace	

Analyte	As	Ba	Cd	Cr	Hg	Sb	Se	
Maximum Limit (mg/kg)	25	1000	75	60	60	60	500	
Analytical Correction	60%	30%	30%	30%	50%	60%	60%	

Analyte	As	Ba	Cd	Cr	Hg	Sb	Se	Mass of Trace Amount	Conclusion
Sample	Result (mg/kg)							(g)	
A.	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	LT 2	0.0249	Pass

LT = Less Than
CR = adjusted analytical result
mg/kg = milligrams per kilogram (ppm=parts per million)
** = Average of duplicate analysis*

As = Arsenic, Ba = Barium, Cd = Cadmium,
Cr = Chromium, Hg = Mercury, Sb = Antimony,
Se = Selenium

RESULTS:

TOTAL CADMIUM CONTENT IN METALS OR PLASTICS – INITIAL ANALYSIS FOR SOLUBLE / EXTRACTABLE CADMIUM CONTENT (ASTM F2923-20, Section 9)

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

Analyte	Cadmium	
Requirement: Maximum allowable limit:	75 mg/kg	

Analyte				Cadmium (Cd)	Conclusion
Sample Description				Result (mg/kg)	
Color / Component		Location	Style		
(A)	white plastic	necklace		LT 10	PASS

LT = Less Than *mg/kg = milligram per kilogram*
** = Average of duplicate analyses*

RESULTS:

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-E1003.09.1:2011

Element:				Lead		
Requirement: Maximum allowable limit:				90 mg/kg		
Sample Description				Result (mg/kg)		Conclusion
	Color / Component	Location	Style	Overall	Potential	
(A)	pearl white coating	necklace		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

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

Test Method: U.S. CPSC-CH-E1001-08.3:2012 or U.S. CPSC-CH-E1002-08.3:2012

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

Analyte				Lead (Pb)	
Sample Description				Result (mg/kg)	Conclusion
Color / Component		Location	Style		
(A)	white plastic	necklace		LT 10	PASS

LT = Less Than
** = Average of duplicate analyses*
mg/kg = milligrams per kilogram (ppm = parts per million)

RESULTS:

TOTAL LEAD CONTENT IN CHILDREN'S JEWELRY (California Proposition 65 Settlement of Alameda Superior Court Case RG-04-162075)

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

Classification: Jewelry sold or marketed to children 6 years and younger

		Maximum allowable limit	
Analyte		(Lead)	
Type: Band I	Elastic, fabric, ribbon, rope and string / Nature decorative materials / Plastic or rubber / Glass / crystal decorative components / Other Components	200 mg/kg	
Type: Band II	Electroplated Metals / Surface Coatings / Un-plated Non-Class I metal # / Printing ink or ceramic glaze	600 mg/kg	

Analyte				Lead (Pb)	Conclusion
Sample Description				Result (mg/kg)	
	Color / Component	Location	Style		
Type: Band I					
(A)	white plastic	necklace		LT 10	PASS
Type: Band II					
(B)	pearl white coating	necklace		LT 10	PASS

mg/kg = milligrams per kilogram (ppm=parts per million) *LT = Less Than*
** = Average of duplicate analysis*

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

RESULTS:

CALIFORNIA PROPOSITION 65 JEWELRY REQUIREMENTS (Alameda Superior Court Case Numbers RG 10-545680 and RG-10-545687)

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

		Maximum allowable limit	
Analyte		(Lead)	
Type I	Paints and surface coating	90 mg/kg	
Type II	Substrates	200 mg/kg	

Analyte				Lead (Pb)	
Sample Description				Result	Conclusion
Color / Component		Location	Style	(mg/kg)	
Type I					
(A)	pearl white coating	necklace		LT 10	PASS
Type II					
(B)	white plastic	necklace		LT 10	PASS
(C)	white thread	necklace		LT 10	PASS

mg/kg = milligrams per kilogram (ppm=parts per million) *LT = Less Than*
** = Average of duplicate analysis*

RESULTS:

TOTAL CADMIUM CONTENT IN JEWELRY (California Proposition 65 Settlement of Alameda Superior Court Case RG-10-514803)

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

Analyte	Cadmium	
Maximum allowable limit	300 mg/kg	

Analyte				Cadmium (Cd)	
Sample Description				Result	Conclusion
Color / Component		Location	Style	(mg/kg)	
(A)	pearl white coating	necklace		LT 10	PASS
(B)	white plastic	necklace		LT 10	PASS
(C)	white thread	necklace		LT 10	PASS

mg/kg = milligrams per kilogram (ppm=parts per million) *LT = Less Than*
** = Average of duplicate analysis*

RESULTS:

CADMIUM CONTENT IN CHILDREN'S JEWELRY (California Health and Safety Code, Sections 25214.1 to 25214.4.2) (NEW – Effective on June 1, 2020)

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

Classification: Jewelry sold or marketed to children 15 years and younger

	Maximum allowable limit	
Analyte	(Cadmium)	
Type: Band I Surface Coating	(S) 75 mg/kg	
Type: Band II Substrate	(T) 300 mg/kg	

Analyte				Cadmium (Cd)	Conclusion
Sample Description				Result (mg/kg)	
	Color / Component	Location	Style		
Type: Band I					
(A)	pearl white coating	necklace		(T) LT 10 (S) -	PASS
Type: Band II					
(B)	white plastic	necklace		(T) LT 10	PASS
(C)	white thread	necklace		(T) LT 10	PASS

mg/kg = milligrams per kilogram (ppm=parts per million)
(T) = Total Analysis
(S) = Soluble analysis
LT = Less Than
** = Average of duplicate analysis*

RESULTS:

TOTAL LEAD CONTENT IN CHILDREN'S JEWELRY (California Health and Safety Code, Sections 25214.1 to 25214.4.2) (NEW – Effective on June 1, 2020)

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

Classification: Jewelry sold or marketed to children 15 years and younger

	Maximum allowable limit	
Analyte	(Lead)	
Type: Band I Surface Coating	90 mg/kg	
Type: Band II Substrate	100 mg/kg	

Analyte				Lead (Pb)	Conclusion
Sample Description				Result (mg/kg)	
	Color / Component	Location	Style		
Type: Band I					
(A)	pearl white coating	necklace		LT 10	PASS
Type: Band II					
(B)	white plastic	necklace		LT 10	PASS
(C)	white thread	necklace		LT 10	PASS

mg/kg = milligrams per kilogram (ppm=parts per million) *LT = Less Than*
** = Average of duplicate analysis*

RESULTS:

END OF REPORT