Testing Report

Job No.:/ Report No.: HQXXX Date: XX. XX, XX

Applicant: XX
XX

Contact(s): XX

Overall Rating:	
Data	☐
Satisfactory	☑
Unsatisfactory	☐
Others, See Detail Enclosed	☐

Sample Information

Client:	XX
Supplier:	XX
Factory:	XX
Item No.:	XX
Description:	HEART PENDANT BEADED BRACELET
PO No.:	/
Sample Submitted:	6 pcs & additional paints and components by supplier in good condition
Country of Origin:	China
Destination:	U.S.A.
Received Date:	XX. XX, XXX
Testing Period:	XX. XX, XXX to XX. XX, XXX
Testing Standard:	Selected tests as requested by applicants, details refer to following pages.
Service Location:	Hangzhou
Remark:	/

**********To be Continued

Authorized by:
HQTS QA International Services Co., Ltd.

Neil Peng
Supervisor

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The results shown in this Test Report refer only to the sample(s) tested.
The sample description is based on the information provided by applicant.

HQTS QA International Services Co., Ltd.
Building B, Taineng Industrial District, Sandun Science & Technology Zone, Hangzhou, China
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Email: Suggestion & Complaint (comment@hqts-qai.com), Report Query (query@hqts-qai.com), Technical Consult (tech@hqts-qai.com)

Testing Summary of Tested Component on Submitted Sample:

1	ASTM F2923-11 Section 5: Lead in Children's Jewelry	Pass
2	ASTM F2923-11 Section 8: Soluble Heavy Metal in Paint	Pass
3	ASTM F2923-11Section 9: Cadmium in Substrate Materials of Children's Jewelry	Pass
4	ASTM F2923-11 Section 10: Nickel in Metal Components	Pass
5	ASTM F2923-11Section 12: Mechanical Requirements for Children's Jewelry	Pass

**********To be Continued

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1 ASTM F2923-11 Section 5: Lead in Children's Jewelry

As per requirement of ASTM F2923 standard specification for consumer product safety for children's jewelry containing lead; The method CPSC-CH-E1003-09.1 method was used for paint component, CPSC-CH-E1002-08.3 method for non-metal component, CPSC-CH-E1001-08.3 method for metal component, and lead content was determined by inductively coupled argon plasma spectrometry.

Classification: Paint				
Element: Lead				
Specimen	Tested Component Description (Location)	Limit (ppm)	Result (ppm)	Comment
#1	Pink Paint (on Casting), ,	90	<10	Pass
#2	Pink Wet Paint (on Bead),	90	<10	Pass
#3	Rosy Paint (on Casting)	90	<10	Pass
#4	Red Paint (on Casting)	90	<10	Pass
#5	Red Wet Paint (on Bead)	90	<10	Pass
#6	Rosy Wet Paint (on Bead)	90	<10	Pass

Remark: The above wet paints would be used on samples which were claimed by applicant.

Classification: Substrate				
Element: Lead				
Specimen	Tested Component Description (Location)	Limit (ppm)	Result (ppm)	Comment
#7	Silver Metal Heat (Big)	100	19	Pass
#8	Silver Metal Heat (Small)	100	15	Pass
#9	Silver Metal Beads	100	34	Pass
#10	White Plastic Beads	100	<10	Pass

Remark: ppm = part per million=mg/kg.

The tested components were specified by applicant.

**********To be Continued

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2 ASTM F2923-11 Section 8: Soluble Heavy Metal in Paint

As per requirement of applicant to refer to section 8 of ASTM F2923-11(7 soluble heavy metal in paint). Acid extraction method was used and toxic elements contents were determined by inductively coupled argon plasma spectrometry.

	Result (mg/kg)				Limit (mg/kg)
	#1	#3	#4	#5	
Soluble Cadmium (Cd)	<5	<5	<5	<5	75
Soluble Chromium (Cr)	<5	<5	<5	<5	60
Soluble Mercury (Hg)	<5	<5	<5	<5	60
Soluble Antimony (Sb)	<5	<5	<5	<5	60
Soluble Barium (Ba)	<10	<10	<10	<10	1000
Soluble Selenium (Se)	<5	<5	<5	<5	500
Soluble Arsenic (As)	<2.5	<2.5	<2.5	<2.5	25
Comment	Pass	Pass	Pass	Pass	

Remark: The tested components were specified by applicant.

The above wet paint would be used on samples which were confirmed by client

Tested Component Description (Location):

#1 Pink Paint (on Casting) #4 Red Wet Paint (on Bead)

#3 Red Paint (on Casting) #5 Pink Wet Paint (on Bead)

3 ASTM F2923-11 Section 9: Cadmium in Substrate Materials of Children's Jewelry

As per requirement of applicant, total cadmium content were conducted according to acid digestion method , and cadmium content was determined by Inductively coupled plasma-atomic emission spectrometry.

Classification: Substrate				
Element: Cadmium				
Specimen	Tested Component Description (Location)	Limit (ppm)	Result (ppm)	Comment
#7	Silver Metal Heat (Big)	300	7	Pass
#8	Silver Metal Heat (Small)	300	12	Pass
#9	Silver Metal Beads	300	<5	Pass
#10	White Plastic Beads	300	<5	Pass

Remark: ppm = part per million=mg/kg.

The tested components were specified by applicant.

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4 ASTM F2923-11 Section 10: Nickel in Metal Components

Reference to BS EN1811:2011+A1:2015, BS EN 12472：2005+A1：2009, tested components were placed in an artificial sweat test solution for one week, and then the concentration of dissolved nickel in the solution were determined by inductively coupled argon plasma spectrometry

Classification of Sample Type: Non-Body Piercing					
Maximum Allowable Limit: 0.5 μg/cm^2/week					
Specimen	Tested Component Description (Location)	Sample Area (cm^2)	Volume of Test Solution (ml)	Result (μg/cm^2/week)	Comment
#7+#9	Silver Metal Heat (Big)+ Silver Metal Beads	8.44	20.0	<0.05	Pass
				<0.05	Pass
				0.06	Pass
#8+#9	Silver Metal Heat (Small)+ Silver Metal Beads	7.86	8.0	<0.05	Pass
				<0.05	Pass
				<0.05	Pass

5 ASTM F2923-11 Section 12: Mechanical Requirements for Children's Jewelry

As per ASTM standard consumer safety specification on toy safety F2923-11

Applicant's Specified Age Group for Testing: Not Specified

Tested Age Group: 3 Years up

Classification of Submitted Sample: Bracelet

The submitted samples were undergone the use and abuse tests in accordance with the federal hazardous substances act (FHSA), title 16, code of federal regulations:

Test	FHSA
Impact Test	Section 1500.53(b)
Tension Test	Section 1500.53(f)
Torque Test	Section 1500.53(e)

The following sub-clauses of clause #4, #12 of the standard were applicable:

Section	Testing Items	Comment
#4	Age-Labeling	Pass
#12.2	Breakaway Features and Releases	Pass
#12.3	Use and Abuse	Pass
#12.4	Small Parts	Pass

According to 4, it's recommended to add an age labeling.

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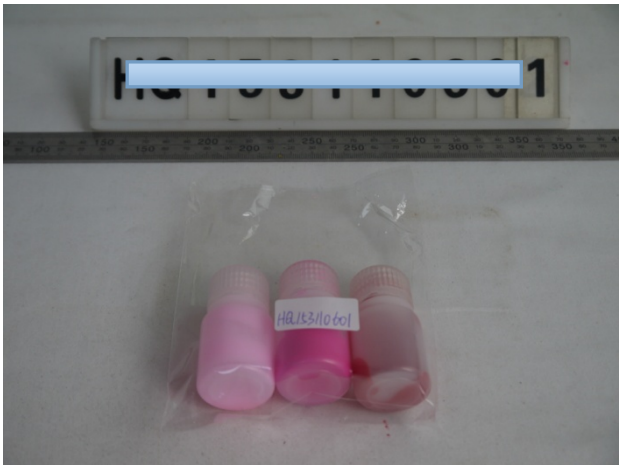
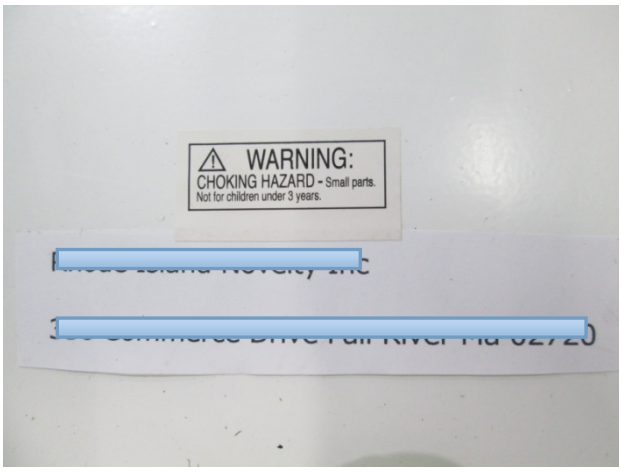
Photo Attachment

	
Additional Wet Paints and Samples	
	
Label Statement	

**********End of Report

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