

73550-1002

**Test Report**

Number: SZHH01204576

Applicant: MELISSA & DOUG LLC
 UNIT 2H, BLOCK 210 TAI RAN INDUSTRIAL
 ZONE SHENNAN XI ROAD, FUTIAN
 DISTRICT SHENZHEN

Date: Oct 12, 2018

Attr: MELISSA & DOUG, LLC

Sample Description:

None of submitted sample said to be:
 Overall Result : Pass
 Item Name : DYO Jewelry Headbands and Bangles Assortment (2209-DYO Bangle
 Bracelets; 5548-DYO Headbands).
 Item No. : 9570(2209/5548).
 Original/Purpose : Target.
 P.O. No. : --
 PDC : --
 Carton No. : --
 Factory Name : UN.
 Customer Name : Target.
 Category : Arts & Crafts.
 Country of Origin : China.
 Destination : --
 Labelled Age Grading : 4+.
 Age Grading Evaluated by Lab : Over 4 Years.
 Age Grading for Testing : 4+.
 Date Sample Received : Sep 20, 2018.
 Data Test Completed : Oct 12, 2018

To be continued

Authorized by:
 For Intertek Testing Services
 Shenzhen Ltd.

Ben N.L. Lin
 General Manager

Intertek Testing Services Shenzhen Ltd.
 深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg.
 3, Yuanzheng Science and Technology Industrial
 Park, No.4012, Wuhe Ave. North, Bantian Street,
 Longgang District, Shenzhen
 深圳市龙岗区坂田街道五和大道北 4012 号元正科技工
 业园 1 号楼 3 - 4 - 5 层及 1 楼西面半层和 3 号楼整栋
 1-5 层

Tel:+86755 26020111
 Fax:+86755 25377118/9
www.intertek.com.cn
www.intertek.com





Test Report

Number: SZHH01294576



Tests conducted:

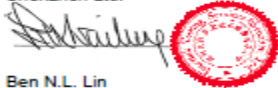
As requested by the applicant, for details refer to attached page(s)

Conclusion:

<u>Tested samples</u>	<u>Requirement</u>	<u>Result</u>
Submitted samples	Consumer Product Safety Improvement Act (CPSIA) 2008 Section 103 Tracking labels for children product	Pass
<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted samples	U.S. CFR Title 16 (CPSC Regulations) Mechanical and physical test	Pass
	U.S. CFR Title 16 (CPSC Regulations)Part 1500.3(c)(6)(vi) flammability test on rigid and pliable solids	Pass
<u>Tested Samples</u>	<u>Standard – U.S. ASTM F963-17</u>	<u>Result</u>
Submitted samples	Physical and mechanical tests excluding art materials requirement of section 4.29 & 5.13	Pass
	Flammability test of materials other than textile materials	Pass

To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.



Ben N.L. Lin
General Manager



Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg.
3, Yuanzheng Science and Technology Industrial
Park, No.4012, Wuthe Ave. North, Bantian Street,
Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元正科技工
业园 1 号楼 3 - 4 - 5 层及 1 楼西面半层和 3 号楼整栋
1-5 层

Tel: +86755 26020111
Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Conclusion:

<u>Tested Sample</u>	<u>Test Item</u>	<u>Result</u>
Tested components of submitted samples	Applicant's requirement with reference to U.S. ASTM F963-17 on soluble heavy elements test	Pass
Tested components of submitted samples	Standard - U.S. ASTM F963-17 Heavy elements test	Pass
Tested components of submitted samples	Applicant's requirement on total Lead content	Pass
Tested components of submitted samples	Standard U.S. CFR Title 16 Part 1303 total Lead content	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for total Lead content in surface coating	Pass
	U.S. Consumer Product Safety Improvement Act 2008 Title I, Section 101 for Total Lead content in Non-surface coating materials (substrate)	Pass
	Consent Judgment No. RG- 356892 for total Lead content based on the California Proposition 65	Pass
	Consent Judgment No. JCCP-4666 & RG-837582 on total Lead and Cadmium content based on the California Proposition 65	Pass

To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.

Ben N.L. Lin
General Manager



Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北4012号元征科技工业园1号楼3、4、5层及1楼西面中区和3号楼整栋1-5层

Tel: +86755 26020111
Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Conclusion:

Tested Sample	Standard	Result
Tested components of submitted samples	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108(a) & (b)(3) and US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass

Tested Sample	Test item	Result
Tested components of submitted samples	Applicant's requirement with reference to US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass

Tested Sample	Standard	Result
Tested components of submitted samples	US Consumer Product Safety Improvement Act 2008 Title I, Sec 108 requirement on phthalate	Pass
	Consent Judgment No. CIV 1103513 on phthalate content based on the California Proposition 65	Pass
	U.S. ASTM F2923-14 Consumer Product Safety for Children's Jewelry on soluble toxic elements test on surface coating	Pass
	U.S. ASTM F2923-14 Consumer Product Safety for children's Jewelry on total Lead content in surface coating	Pass
	U.S. ASTM F2923-14 Consumer Product Safety for Children's Jewelry on total Lead content in non-surface coating materials (substrate)	Pass
	U.S. ASTM F2923-14 Consumer Product Safety for children's Jewelry on Cadmium content in accessible plastic/metal	Pass

To be continued

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.

Ben N.L. Lin
General Manager



Intertek Testing Services Shenzhen Ltd.
深圳天祥质量检测服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4212, Wuhe Ave. North, Banlan Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北4012号元征科技工业园1号楼3-4-5层及1楼西面中区和3号楼整栋1-5层

Tel: +86755 26020111
Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com





Test Report

Number: SZHH01294576

Remark:

No tests were conducted on the submitted samples in this report. All test results stated in the test report were referred to the test data in our test report SZHH01255093 dated Jun 10, 2018 & SZHH01209283 dated Jun 03, 2018.

As requested by the applicant, phthalate test was conducted only on component(s) listed in this report. Other components were not tested.

Authorized by:
For Intertek Testing Services
Shenzhen Ltd.

Ben N.L. Lin
General Manager

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg.
3, Yuanzheng Science and Technology Industrial
Park, No.4012, Wuhe Ave. North, Bantian Street,
Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号允征科技工
业园 1 号楼 3、4、5 层及 1 楼西面半层和 3 号楼整栋
1-5 层

Tel: +86755 26020111
Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com





Test Report

Number: SZHH01294576

Tests Conducted

1 Tracking label assessment

As per consumer product safety improvement act (CPSIA) 2008 Section 103 tracking labels for children products

Tracking label was found on the packaging:



Item no.	#12209	5548
Name of manufacturer/distributor	Melissa & Doug	Melissa & Doug
Location of production	UN	UN
Date code	18095	18045



Intertek Testing Services Shenzhen Ltd.
深圳天祥质量检测服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北4012号元征科技工业园1号楼3-4-5层及1楼西面中座和3号楼整栋1-5层

Tel:+86755 26020111
Fax:+86755 35377118/9
www.intertek.com.cn
www.intertek.com





Test Report

Number: SZHH01204576

Tests Conducted

Tracking label on the product:



Item no.	#12209	5548
Name of manufacturer/distributor	Melissa & Doug	Melissa & Doug
Location of production	UN	UN
Date code	18095	18045

Note: The tracking label assessment was based on the submitted sample and the information provided by the applicant. There was no verification on the validity of such information.



Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3-4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北4012号元征科技工业园1号楼3-4-5层及1栋西面中区和3号楼整栋1-5层

Tel:+86755 26020111
Fax:+86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

2 **Physical and Mechanical Test**

As per U.S. Code of Federal Regulations Title 16 Part 1500.50, the hazards of sharp points, sharp edge and small parts are assessed both before and after applicable use and abuse tests.

	No. of Sample Tested	Sharp Point (1500.48)	Sharp Edge (1500.49)	Small Part (1501)
As received	1	P	NA	NA
Impact (1500.53(b))	1	P	NA	NA
Flexure (1500.53(d))	0	NA	NA	NA
Torque (1500.53(e))	1	P	NA	NA
Tension (1500.53(f))	1	P	NA	NA
Compression (1500.53(g))	1	P	NA	NA

Remark : P = Pass
NA= Not Applicable

3 **Flammability Test**

As per U.S. Code of Federal Regulations Title 16 Part 1500.44 for rigid and pliable solids.

Result: Ignited but self-extinguished before burn rate could be determined.

4 **Physical and Mechanical Tests**

As per ASTM Standard Consumer Safety Specification for Toy Safety F963-17.

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	Parameter
Impact test	Section 1500.53(b)	4 x 3.0 ft
Torque test	Section 1500.53(e)	4 in-lbf
Tension test	Section 1500.53(f)	15 lbf
Compression test	Section 1500.53(g)	30 lbf

Section	Testing Items	Assessment
4.1	Material quality (visual check on cleanliness)	P
4.5	Sound-producing toys	NA
4.6.1	Toys intended for children under 36 months (small objects)	NA
4.6.2	Mouth-actuated toys	NA


Page 8 of 22

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg.
3, Yuanzheng Science and Technology Industrial
Park, No.4012, Wuhe Ave. North, Bantian Street,
Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北4012号元征科技工
业园1号楼3、4、5层及1楼西面中层和3号楼整栋
1-5层

Tel: +86755 26020111
Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

Section	Testing Items	Assessment
4.6.3	Toys and games for children at least 36 months but less than 72 months (small part warning)	P
4.7	Accessible edges	P
4.8	Projections	NA
4.9	Accessible points	P
4.10	Wires or rods	NA
4.11	Nails and fasteners	P
4.12	Plastic film	NA
4.13	Folding mechanisms and hinges	NA
4.14	Cords, straps, and elastics	NA
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices (such as helmets, hats and goggles)	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	NA
4.28	Stroller and carriage toys	NA
4.29	Art materials	#
4.30	Toy gun marking	NA
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA



Page 9 of 22

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg.
3, Yuanzheng Science and Technology Industrial
Park, No.4012, Wuhu Ave. North, Bantian Street,
Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工
业园 1 号楼 3、4、5 层及 1 楼西面半层和 3 号楼整栋
1-5 层

Tel:+86755 26020111
Fax:+86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

Section	Testing Items	Assessment
4.37	Yoyo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
4.40	Expanding materials	NA
4.41	Toy chests	NA
5	Labelling requirement	P/#
6	Instructional literature	P
7	Producer's markings	
7.1	- Name of producer/distributor (Toy& Package)	Yes
	- Address (Package)	Yes
7.3	Toy chests	
7.3.1	Name and address of manufacturer/distributor/seller	NA
7.3.2	Code mark	NA

Remark: The submitted samples were undergone the tests in accordance with section 8.5 through section 8.16 and 8.20 through 8.30 on normal use, abuse and specific tests for different types of toys whichever is applicable.

P = Pass NA = Not Applicable

= The supplier/applicant claimed that formulations of the art materials of the submitted item have been reviewed by toxicologist. No actual assessment has been made.

5 **Flammability Test**

As per section 4.2 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, the sample was tested according to Annex A5 Flammability Testing Procedure for Solids and Soft Toys.

Result: Ignited but self-extinguished before burn rate could be determined.



Page 10 of 22

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg.
3, Yuanzheng Science and Technology Industrial
Park, No.4012, Wuhe Ave. North, Bantian Street,
Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北4012号元征科技工
业园1号楼3-4-5层及1楼西南半层和3号楼整栋
1-5层

Tel: +86755 26020111
Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

6 **Heavy Elements Analysis (except modelling clay)**

As per Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ	Reporting limit (ppm)	Design limit ω (ppm)
	Tested component (2/10/25)		
Sol. Barium (Ba)	ND	5	500
Sol. Lead (Pb)	ND	5	30
Sol. Cadmium (Cd)	ND	5	40
Sol. Antimony (Sb)	ND	5	25
Sol. Selenium (Se)	ND	5	200
Sol. Chromium (Cr)	ND	5	40
Sol. Mercury (Hg)	ND	5	30
Sol. Arsenic (As)	ND	2.5	10

Sol. = Soluble

ppm = part per million = mg/kg

ND = Not detected

 ω = Design limit is only for reference of Melissa & Doug (M&D) θ = Single result for each test component/group

Tested Components: See component list in the last section of this report

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西面半层和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294578

Tests Conducted

7 **Heavy Elements Analysis (except modelling clay)**

As per Section 4.3.5 and Section 8.3.2 to 8.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, heavy elements migration content were determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ	Reporting limit (ppm)	Limit (ppm)
	Tested component (2) (tol 25)		
Sol. Barium (Ba)	ND	5	1000
Sol. Lead (Pb)	ND	5	90
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	80
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	80
Sol. Mercury (Hg)	ND	5	80
Sol. Arsenic (As)	ND	2.5	25

Sol. = Soluble
 ppm = part per million = mg/kg
 ND = Not detected
 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report



Page 12 of 22

Intertek Testing Services Shenzhen Ltd.
 深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
 深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3、4、5 层及 1 楼西面中区和 3 号楼整栋 1-5 层

Tel: +86755 26020111
 Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com





Test Report

Number: SZHH01294576

Tests Conducted

8 **Total Lead (Pb) Content**

As per Section 4.3.5 of the ASTM Standard Consumer Safety Specification on Toy Safety F963-17, test method CPSC-CH-E1001-08.3, CPSC-CH-E1002-08.3 or/and CPSC-CH-E1003-09.1 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

(I) Surface coating

Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component (1),(2),(13)to(16),(26)		
Lead (Pb)	ND	10	90

(II) Non-surface coating

Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component (3)to(12),(17)to(24)		
Lead (Pb)	ND	10	100

ppm = part per million = mg/kg
 ND = Not detected
 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report

Intertek Testing Services Shenzhen Ltd.
 深圳天祥质量检测服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Banlian Street, Longgang District, Shenzhen
 深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3 - 4 - 5 层及 1 楼西面中层和 3 号楼整栋 1-5 层

Tel: +86755 26020111
 Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

9 Total Lead (Pb) Content

As per test method CPSC-CH-E1003-09.1 and/or CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3, and total Lead content was followed by Inductively Coupled Argon Plasma Spectrometry.

(I) Surface coating

Element	Result (ppm) θ	Reporting limit (ppm)	Design Limit (ppm)
	Tested component (1),(2),(13)to(16),(26)		
Lead (Pb)	ND	10	30

(II) Non-Surface Coating

Element	Result (ppm) θ	Reporting limit (ppm)	Design Limit (ppm)
	Tested component (3)to(12),(17)to(24)		
Lead (Pb)	ND	10	40

ND = Not detected

 θ = Single result for each test component/group

Tested components: See component list in the last section of this report

10 Total Lead (Pb) Content in Surface Coating

As per Standard Operating Procedure for Determining Lead (Pb) in paint and other similar surface coatings, test method CPSC-CH-E1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component (1),(2),(13)to(16),(26)		
Lead (Pb)	ND	10	90

ppm = parts per million = mg/kg

ND = Not detected (less than reporting limit)

 θ = Single result for each test component/group

Tested components: See component list in the last section of this report



Intertek Testing Services Shenzhen Ltd.
深圳天祥质量检测服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3 - 4 - 5 层及 1 楼西面中座和 3 号楼整栋 1-5 层

Tel:+86755 26020111
Fax:+86755 3537118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

11 Total Lead (Pb) Content in Non-Surface Coating Materials (Substrate)

As per Standard Operating Procedures for Determining total Lead (Pb) in children's products, test methods CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component (3)to(12), (17)to(24)		
Lead (Pb)	ND	10	100

ppm = parts per million = mg/kg
 ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

Tested components: See component list in the last section of this report

12 Total Lead Content

With reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1 and followed by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg) θ	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component (1),(2),(13)to(16),(26)		
Lead (Pb)	ND	10	90

Element	Result (mg/kg) θ	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component (3)to(12), (17)to(24)		
Lead (Pb)	ND	10	100

The above limit was quoted from the Consent Judgment No. RG- 358892 settled by superior court of the State of California for the county of Alameda, for toys based on the California Proposition 65.

ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report



Page 15 of 22

Intertek Testing Services Shenzhen Ltd.
 深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
 深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3 - 4 - 5 层及 1 楼西面中区和 3 号楼整栋 1-5 层

Tel: +86755 26020111
 Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

13 Total Lead (Pb) and Cadmium (Cd) Content (for Jewelry)

With reference to CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001.08.3 and/or CPSC-CH-E1003-09.1 and followed by Inductively Coupled Argon Plasma Spectrometry.

Surface Coating

Element	Result (mg/kg) θ	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(1),(2),(13)to(16),(26)		
Lead (Pb)	ND	10	90
Cadmium (Cd)	ND	5	100

Non-surface Coating Material (Substrate)

Element	Result (mg/kg) θ	Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component		
	(3)to(12),(17)to(24)		
Lead (Pb)	ND	10	100
Cadmium (Cd)	ND	5	100

The above limit was quoted from the Consent Judgment No. JCCP-4666 & RG-837582 settled by superior court of the State of California for the county of Alameda & Marin, for jewelry based on the California Proposition 65.

ND = Not detected (less than reporting limit)
θ = Single result for each test component/group

Tested Components: See component list in the last section of this report



Page 16 of 22

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Banlian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3 - 4 - 5 层及 1 楼西面中庭和 3 号楼整栋 1-5 层

Tel: +86755 26020111
Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

14 Phthalate Content

With reference to CPSC-CH-C1001-09.4, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	CAS No.	Result (%)@	Reporting limit (%)	Limit (%)
		Tested component (1),(2),(7),(8),(12)to(24),(26)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0	ND	0.01	0.1
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.01	0.1
Di-n-pentyl Phthalate (DPENP)	131-18-0	ND	0.01	0.1
Di-n-hexyl Phthalate (DHEXP)	84-75-3	ND	0.01	0.1
Dicyclohexyl Phthalate (DCHP)	84-61-7	ND	0.01	0.1

The above limit was quoted according to US 16 CFR Part 1307 for Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates.

ND = Not detected (less than reporting limit)
 @ = Single result for each test component/group

Tested Components: See component list in the last section of this report



Intertek Testing Services Shenzhen Ltd.
 深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
 深圳市龙岗区坂田街道五和大道北4012号元征科技工业园1号楼3-4-5层及1楼西面中区和3号楼整栋1-5层

Tel: +86755 26020111
 Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

15 Phthalate Content

As per CPSC-CH-C1001-09.3, and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) and Liquid Chromatographic / Tandem Mass Spectrometer (LC/MS/MS) analysis.

For accessible component

Test item	Result (ppm) θ	Reporting Limit (ppm)	Design Limit ω (ppm)
	Tested component (1), (2), (7), (8), (12) to (24), (26)		
Dibutyl phthalate (DBP)	ND	30	100
Di-(2-ethyl hexyl) phthalate (DEHP)	ND	30	100
Benzyl butyl phthalate (BBP)	ND	30	100
Sum (DBP+DEHP+BBP)	ND	--	1000
Di-iso-nonyl phthalate (DINP)	ND	30	100
Di-n-octyl phthalate (DNOP)	ND	30	100
Di-iso-decyl phthalate (DIDP)	ND	30	100
Sum (DINP+DNOP+DIDP)	ND	--	1000
Di-n-hexyl Phthalate (DnHP/DHEXP)	ND	30	100
Di-n-Pentyl Phthalate (DPP/DPENP)	ND	30	100
Dicyclohexyl Phthalate(DCHP)	ND	30	100
Di-isobutyl Phthalate(DIBP)	ND	30	100
Di-(iso-octyl) phthalate (DIOP)	ND	30	100
Diethyl phthalate (DEP)	ND	30	100
Monobutyl phthalate (MBP)	ND	30	100
Phthalic acid, bis (2-methoxyethyl) ester (Di-(2-Methoxyethyl)phthalate) (Dimethoxyethyl Phthalate) (Dimethyl glycol phthalate), (DMEP)	ND	30	100
Sum of 14 phthalates	ND	--	1000

ND = Not detected

θ = Single result for each test component/group

ω = Design limit is only for reference of Melissa & Doug (M&D)

Tested Components: See component list in the last section of this report



Page 18 of 22

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量检测服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元征科技工业园 1 号楼 3 - 4 - 5 层及 1 楼西面半层和 3 号楼整栋 1-5 层

Tel: +86755 26020111
Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

18 Toxic Elements Analysis in Surface Coating

As per ASTM F2923-14 Consumer Product Safety for Children's Jewelry, test method Section 8.3.2 to 8.3.4 of ASTM F963-11 was used and toxic elements content were determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (mg/kg) θ	Reporting limit (mg/kg)	Limit (mg/kg)
	Tested component (2),(13)to(18)		
Sol. Barium (Ba)	ND	5	1000
Sol. Cadmium (Cd)	ND	5	75
Sol. Antimony (Sb)	ND	5	60
Sol. Selenium (Se)	ND	5	500
Sol. Chromium (Cr)	ND	5	60
Sol. Mercury (Hg)	ND	5	60
Sol. Arsenic (As)	ND	2.5	25

ND = Not detected (less than reporting limit)

Sol. = Soluble

 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report

19 Total Lead (Pb) Content in Surface Coating

As per ASTM F2923-14 Consumer Product Safety for Children's Jewelry, test method CPSC-CH-E 1003-09.1 was used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

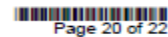
Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component (1),(2),(13)to(18),(26)		
Lead (Pb)	ND	10	90

ppm = part per million = mg/kg

ND = Not detected (less than reporting limit)

 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report



Page 20 of 22

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg.
3, Yuanzheng Science and Technology Industrial
Park, No.4012, Wuhe Ave. North, Bantian Street,
Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号允征科技工
业园 1 号楼 3、4、5 层及 1 楼西面半层和 3 号楼整栋
1-5 层

Tel: +86755 26020111
Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

16 **Phthalate Content**

As per CPSC-CH-C1001-09.3, by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	CAS No.	Result (%) θ	Reporting Limit (%)	Limit (%)
		Tested component (1),(2),(7),(8),(12)to(24),(26)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.01	0.1
Di-n-octyl phthalate (DNOP)	117-84-0	ND	0.01	0.1
Di-iso-decyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	0.01	0.1

The above limit was quoted according to US Consumer Product Safety Improvement Act 2008 for prohibition on sale of certain products containing specified phthalates.

ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report

17 **Phthalate Content**

With reference to CPSC-CH-C1001-09.4 and followed by Gas Chromatographic-Mass Spectrometric (GC-MS) analysis.

Test item	CAS No.	Result (%) θ	Reporting Limit (%)	Limit (%)
		Tested component (1),(2),(7),(8),(12)to(24),(26)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.01	0.1
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.01	0.1
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.01	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.01	—

The above limit was quoted from the Consent Judgment No. CIV 1103513 settled by superior court of the State of California for the county of Marin, for jewelry based on the California Proposition 65.

ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report



Intertek Testing Services Shenzhen Ltd.
 深圳天祥质量检测服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg. 3, Yuanzheng Science and Technology Industrial Park, No.4012, Wuhe Ave. North, Bantian Street, Longgang District, Shenzhen
 深圳市龙岗区坂田街道五和大道北4012号元征科技工业园1号楼3、4、5层及1楼西南半层和3号楼整栋1-5层

Tel: +86755 26020111
 Fax: +86755 35377118/9
 www.intertek.com.cn
 www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

20 Total Lead content in Non-Surface Coating Materials (Substrate)

As per ASTM F2923-14 Consumer Product Safety for Children's Jewelry, test method CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Lead content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component (3)to(12),(17)to(24)		
Lead (Pb)	ND	10	100

ppm = part per million = mg/kg
 ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report

21 Cadmium (Cd) content in Accessible Plastic/Metal

As per ASTM F2923-14 Consumer Product Safety for Children's Jewelry, test method CPSC-CH-E1003-09.1 and/or CPSC-CH-E1002-08.3 and/or CPSC-CH-E1001-08.3 were used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (ppm) θ	Reporting Limit (ppm)	Limit (ppm)
	Tested Component (3)to(12),(17)to(24)		
Cadmium (Cd)	ND	5	300

ppm = parts per million =mg/kg
 ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group

Tested Components: See component list in the last section of this report

Component list:

- (1) @Black coating (date code of #2209).
- (2) Silver color glitter with glue on plastic label (sticker of #2209).
- (3) Dull pink plastic (bangles of #2209).
- (4) Blue plastic (bangles of #2209).
- (5) Transparent purple plastic with silver color glitter inserts (bangles of #2209).
- (6) Transparent red plastic with silver color glitter inserts (bangles of #2209).
- (7) White soft plastic label excluding coating (sticker of #2209).



Page 21 of 22

Intertek Testing Services Shenzhen Ltd.
 深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg.
 3, Yuanzheng Science and Technology Industrial
 Park, No.4012, Wuhe Ave. North, Bantian Street,
 Longgang District, Shenzhen
 深圳市龙岗区坂田街道五和大道北4012号元征科技工
 业园1号楼3-4-5层及1楼西面中区和3号楼整栋
 1-5层

Tel: +86755 26020111
 Fax: +86755 35377118/9
www.intertek.com.cn
www.intertek.com



**Test Report**

Number: SZHH01294576

Tests Conducted

Component list:

- (8) Transparent/silver color adhesive soft plastic with inaccessible coatings (sticker of #2209).
- (9) Fuchsia plastic (bead sticker of #2209).
- (10) Light purple plastic (bead sticker of #2209).
- (11) White plastic (bead sticker of #2209).
- (12) Transparent adhesive (bead sticker of #2209).
- (13) Silver color glitter with glue on soft plastic (belt of #5548).
- (14) Pink/silver color glitter with glue on soft plastic (glitter sticker of #5548).
- (15) Purple/silver color glitter with glue on soft plastic (glitter sticker of #5548).
- (16) Silver color glitter with glue on soft plastic (glitter sticker of #5548).
- (17) Purple plastic (hair band of #5548).
- (18) Dull pink plastic (hair band of #5548).
- (19) Transparent peach soft plastic (belt of #5548).
- (20) Transparent soft plastic (belt of #5548).
- (21) Transparent blue soft plastic (belt of both styles).
- (22) Transparent dull purple soft plastic (belt of #5548).
- (23) Transparent soft plastic with backed (sticker of #5548).
- (24) White soft plastic excluding coatings (glitter sticker of #5548).
- (25) White non-woven (interlayer on belt of #5548).
- (26) @Black coating on plastic (date code of #5548).

@: Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

End of report

This report is made solely on the basis of your instructions and/or information and materials supplied by you. It is not intended to be a recommendation for any particular course of action. Intertek does not accept a duty of care or any other responsibility to any person other than the Client in respect of this report and only accepts liability to the Client insofar as is expressly contained in the terms and conditions governing Intertek's provision of services to you. Intertek makes no warranties or representations either express or implied with respect to this report save as provided for in those terms and conditions. We have aimed to conduct the review on a diligent and careful basis and we do not accept any liability to you for any loss arising out of or in connection with this report, in contract, tort, by statute or otherwise, except in the event of our gross negligence or willful misconduct. This report shall not be reproduced unless with prior written approval from Intertek Testing Services Shenzhen Ltd.



Page 22 of 22

Intertek Testing Services Shenzhen Ltd.
深圳天祥质量技术服务有限公司

West Side of 1/F and 3,4,5/F of Bldg. 1, 1-5/F of Bldg.
3, Yuanzheng Science and Technology Industrial
Park, No.4012, Wuhe Ave. North, Bantian Street,
Longgang District, Shenzhen
深圳市龙岗区坂田街道五和大道北 4012 号元正科技工
业园 1 号楼 3 - 4 - 5 层及 1 楼西面中庭和 3 号楼整栋
1-5 层

Tel:+86755 26020111
Fax:+86755 35377118/9
www.intertek.com.cn
www.intertek.com

