



DOLLAR GENERAL Test Report

LAB LOCATION: SHANGHAI
REPORT NUMBER: 64322-080233

ISSUE DATE: August 16, 2022
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Applicant : Hiwork Enterprise Limited
RMS 05-15, 13A-F SOUTH TOWER, WORLD FINANCE CTR HARBOUR
CITY, 17 CANTON RD, TST, KL, HONG KONG

Contact Person : FIONA WU

Sample Description : VAL 5CT BRACELETS

Style Number : S23

PO Number : INFH4P

SKU Number : 33493101

Department Number : 410

Factory Name : NINGBO LANDINO TOYS CO., LTD

Country of Origin : CHINA

Date of Submission : August 10, 2022

Test Performance Dates : August 10, 2022 – August 16, 2022

Testing Phase : Verification Test

Test Protocol Number : TY-001-US

Label Age Grade : For ages 3 & up

Appropriate Age Grade : [Toys] Over 3 years of age

Tested Age Grade : [Toys] Over 3 years of age

Overall Rating : **PASS**

Photo of Submitted Sample



For and on behalf of
Modern Testing Services Co., Ltd.

Gao Jian, David
Senior Manager, Toy Division

Modern Testing Services Co., Ltd.

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TEST RESULT SUMMARY

Test Requested	Results
Physical and Mechanical Requirements, ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	PASS
Federal Hazardous Substances Act Regulations, 16 CFR 1500.3 (c)(6)(vi) Flammable Solid	PASS
Total Lead Content – U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 101	PASS
Total Heavy Metal Screening in Similar Surface Coating Materials and Toys Substrate Materials – ASTM F963-17 Section 4.3.5.1(2) & 4.3.5.2(2)(b) / Section A12.7	PASS
Soluble Heavy Metals Content in Similar Surface Coating Materials and Toys Substrate Materials – ASTM F963-17 Section 4.3.5.1(2) & 4.3.5.2(2)(b)	NOT APPLICABLE
Phthalates Content – 16CFR part 1307, amended U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 108	PASS
Labeling and Construction Qualities requirement – Client's protocol	PASS

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COMPONENT BREAKDOWN LIST:

Test Item	Component Description	Accessibility (Remark 1)	Classification
A1	Transparent/pink/red plastic(bracelet)	Accessible as received	Accessible substrate
A2	Transparent/dark pink/green plastic(bracelet)	Accessible as received	Accessible substrate
A3	Transparent/dark pink/blue plastic(bracelet)	Accessible as received	Accessible substrate

Remark:

1) The accessibility of the submitted sample after use and abuse is verified according to 16 CFR 1500.87 (e) to (h).

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TEST RESULT:

Total Lead Content – U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 101

Test Item	Accessibility (Remark 1)	Classification	Total Lead (Pb) (ppm)		Conclusion
			Result	Limit	
A1	Accessible as received	Accessible substrate	<10	100	PASS
A2	Accessible as received	Accessible substrate	<10	100	PASS
A3	Accessible as received	Accessible substrate	<10	100	PASS

Method:

- Lead in paint and other similar surface coatings:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, February 25, 2011 (CPSC-CH-E1003-09.1)
- Lead in metals:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry), November 15, 2012 (CPSC-CH-E1001-08.3)
- Lead in other non-metal materials including plastics, glass and leather material:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products, November 15, 2012 (CPSC-CH-E1002-08.3)

Remark:

- The accessibility of the submitted sample is verified according to 16 CFR 1500.87 (e) before and after abuse.

Note: ppm = part per million = mg/kg (milligram per kilogram)
“<” = less than

REMARK:

No surface coating was found on the submitted sample.

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**Total Heavy Metal Screening in Similar Surface Coating Materials and Toys Substrate Materials –
ASTM F963-17 Section 4.3.5.1(2) & 4.3.5.2(2)(b) / Section A12.7**

Test Item	Mass of Trace Amount (mg)	Result – Total Heavy Metals (mg/kg)								Conclusion
		Sb	As	Ba	Cd	Cr	Pb	Hg	Se	
A1	92.8	<10	<10	<10	<10	<10	<10	<10	<10	PASS
A2	97.0	<10	<10	<10	<10	<10	<10	<10	<10	PASS
A3	98.8	<10	<10	<10	<10	<10	<10	<10	<10	PASS
Limit for Surface Coatings and Substrates Other Than Modeling Clay		60	25	1000	75	60	90	60	500	-
Limit for Modeling Clays		60	25	250	50	25	90	25	500	-

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

Method: ASTM F963-17 Section 8.3.1, sample was digested with acid mixture and analyzed by Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer / ASTM F963-17 Section A12.7, sample was analyzed by X-ray Fluorescence Spectrometry.

Remark: The received sample(s) contained component(s) of less than 10mg on one single sample, therefore such component(s) was not tested for soluble heavy metals content as specified in clause 8.3.3.6 (2) / 8.3.5.3 (2) of this standard.

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Labeling and Construction Qualities requirement – Client's protocol

TY-001-US

Evaluation	Citation/Method	Criteria	Result
Determination of Children's Product and Age Grading	ASTM F963, Section 5.2 Annex A1 / CPSC Age Grade Determination guideline / 16 CFR 1200	<p>Product category should be determined according to national guidelines and industrial standards. The major categories are (1) Toys, (2) Children's Product, (3) Child-care articles, and (4) General Use Products</p> <p>All products shall be tested according to either the appropriate age grade, as determined by MTS or the labeled age grade if it is more stringent. In the event the sample is not age labeled, MTS will determine the appropriate age grade and test accordingly.</p> <p>Label Age Grade: For ages 3 & up Appropriate Age Grade: Over 3 years of age Tested Age Grade: Over 3 years of age</p> <p>[For products except apparel and footwear] - Age grade labeling is required on the packaging of all toys and children's products, unless (1) the appropriate age grade for the product is all ages (0+), <u>or</u> (2) the product has been tested to and meets the requirements applicable to toys/children's products for all ages. - The packaging and product shall not contain any statement contradicts the appropriate age grade. For example, "This is not a toy.", "Do not give it to children.", "For Adult Use Only."</p> <p>Remark: - Presence of Age Warning fulfills the age grade labeling requirement. For example, "Not for children under 3 yrs." - During Pre-Production Review, report(s) could be submitted to show the item meets all ages requirements - During Certification/ Verification Test, perform all ages (0+) tests on an extra sample to check whether it meets all ages requirements.</p>	P

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Evaluation	Citation/Method	Criteria	Result
Tracking label for children's products	Consumer Product Safety Improvement Act, Section 103. Tracking Labels for Children's Products	<p>Any children's product shall place permanent, distinguishing marks on the product and its packaging, to the extent practicable, that will enable –</p> <p>(A) the manufacturer to ascertain the location and date of production of the product, cohort information (including the batch, run number, or other identifying characteristics), and any other information determined by the manufacturer to facilitate ascertaining the specific source of the product by reference to those marks</p> <p>(B) the ultimate purchaser to ascertain the manufacturer or private labeler, location and date or production of the product, and cohort information (including the batch, run number, or other identifying characteristics).</p> <p>Dollar General Tracking label requirement: Report tracking code on product and packaging.</p> <p>Dollar General Tracking Code Format: DOLGEN + SKU + Month Code + Year Code</p> <p>Month Code and Year Code follow Shipdate. Month Code is A = January, B = February, C = March, and so on. Year Code is 15 = Year 2015, 16 = Year 2016, 17 = Year 2017, and so on.</p> <p>The code could be in 1 line or 2 lines where the DOLGEN must be on one line and the rest of the tracking label is on the second line. i.e. DOLGEN12345678A17 or DOLGEN 12345678A17</p> <p>If Dollar General Distribution Clause (Dollar General's company name & full address) is presented on the packaging, accept only present SKU + Month Code + Year Code.</p> <p>Full code DOLGEN + SKU + Month Code + Year Code must always be presented on the product, if applicable.</p>	<p>P</p> <p>On Product: Not Provided</p> <p>On Packaging: 33493101H22</p>
Labeling for toys	ASTM F963-17 Standard Consumer Safety Specification for Toy Safety, Section 5 to 7	Shall meet the labeling requirements specified in the standard.	P

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Evaluation	Citation/Method	Criteria	Result
Sharp points	16 CFR 1500.48 / 16 CFR 1500.50-53	Products intended for children under 8 years of age shall have no accessible, potentially hazardous sharp points before or after abuse tests. - 4 Mechanical test required	P
Sharp edges	16 CFR 1500.49 / 16 CFR 1500.50-53	Products intended for children under 8 years of age shall have no accessible, potentially hazardous sharp edges before or after abuse tests. - 4 Mechanical test required	P
Mechanical hazards	ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	Toys shall meet the requirements specified in the standard - 4 Mechanical test required	P
Flammability of solid	ASTM F963-17, Section 4.2 and Annex A5/ 16 CFR 1500.44 / 16 CFR 1500.3(c)(6)(vi)	Shall not exceed the maximum allowable limit of no greater than 0.1 inches per second.	P
CPSIA Total lead content in substrate material	Consumer Product Safety Improvement Act of 2008 / ASTM F963-17 clause 4.3.5.2 (2) (a) / EPA 3050B(mod) / EPA 3051(mod) / EPA 3052(mod) / CPSC-CH-E1001-08 / CPSC-CH-E1002-08 / 16 CFR 1500.91	All accessible substrates, before and after use and abuse testing, on items intended for children ages 12 and under shall not contain lead in excess of 0.01% (100ppm) of the weight of the total content. The materials listed in the lead content in substrate exemption list below will be exempted from testing; it is the vendors' responsibility to ensure compliance to the applicable requirements. Vendor should provide accurate BOM or information to grant the exemption from testing Report actual results or include data table within report Composite testing is allowed up to 3 similar materials. If composite result exceeds the adjusted limit (regulatory limit divided by the number of composites), individual materials will be analyzed.	P

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Evaluation	Citation/Method	Criteria	Result
<p>ASTM F963-17 Clause 4.3.5.1 (2) / 4.3.5.2</p> <p>Total heavy metal screening: Clause 8.3.1 CPSC-CH-E1001-08.1 (metal substrates) CPSC-CH-E1002-08.1 (non-metal substrates) CPSC-CH-E1003-09 (paint and similar surface-coating materials) (modified) Soluble heavy metal: Clause 8.3.2 / 8.3.5</p>	<p style="text-align: center;">Soluble Heavy metal contents in coating / substrate</p>	<p>All accessible surface coatings and substrate materials of a toy product shall not contain compounds of which the soluble heavy metal content exceeds the levels by weight (mg/kg) of the contained solid including pigments, film solids and driers. [Antimony (Sb) 60 mg/kg, Arsenic (As) 25 mg/kg, Barium (Ba) 1000 mg/kg, Cadmium (Cd) 75 mg/kg, Chromium (Cr) 60 mg/kg, Lead (Pb) 40 mg/kg, Mercury (Hg) 60 mg/kg, Selenium (Se) 500 mg/kg] Modeling clay: [Antimony (Sb) 60 mg/kg, Arsenic (As) 25 mg/kg, Barium (Ba) 250 mg/kg, Cadmium (Cd) 50 mg/kg, Chromium (Cr) 25 mg/kg, Lead (Pb) 40 mg/kg, Mercury (Hg) 25 mg/kg, Selenium (Se) 500 mg/kg]</p> <p>Accessible glass, metal and ceramic toys or parts of toys that are small parts (that is, that fit into the test fixture specified at 16 CFR 1501 are also subject to this requirement.)</p> <p>In addition, metallic toys or metallic toy components which are small parts shall not exhibit extraction of more than 200 µg of cadmium.</p> <p>Note: 1) For surface coating, metallic material, and textile, soluble heavy metal content testing per 8.3.2 or 8.3.5 will be performed directly. 2) For substrate material (excluding metallic material and textile), total heavy metal content screening will be performed. (i) If results are below soluble limits for each element, the material can be considered to conform to requirement. (ii) If results exceed soluble limits for each element, additional soluble testing per 8.3.2 or 8.3.5 will be performed.</p> <p>Report of ASTM F963 will be issued with note in the report "Soluble lead (Pb) requirement is reduced to 40ppm as per client requirement."</p> <p>Composite testing for total heavy metal content screening is allowed up to 3 similar materials. If composite result exceeds the adjusted limit (regulatory limit divided by the number of composites), individual materials will be analyzed.</p> <p>Composite testing for soluble heavy metal content is not allowed.</p> <p>Remark: 1) Accessible substrates shall meet the requirement if: (i) All toys parts (0-14 years of age) intended to be mouthed or contact food or drink, components of toys which are cosmetics, and components of writing instruments categorized as toys; (ii) Toys intended for children less than 6 years of age, that is, all accessible parts and components where there is a probability that those parts and components may come into contact with the mouth. 2) Materials in 16 CFR 1500.88 or 16 CFR 1500.91 (Lead content in substrate exemption list) as exempt from testing and certification requirements are exempted for soluble lead requirement. 3) Packaging materials are not subjected to these requirements unless they are intended to be retained as part of the toy or intended to provide play value. 4) Paper and paperboard; writing instrument nibs are exempted from testing.</p> <p>[Client Requirement]</p>	<p style="text-align: center;">P</p>

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Evaluation	Citation/Method	Criteria	Result
BBP / DBP / DEHP / DIBP / DPENP / DHEXP / DCHP / DIBP content	Consumer Product Safety Improvement Act of 2008 Phthalate Content - US CPSIA, Title I, Section 108	<p>Children's toys and childcare articles shall not contain concentrations of more than 0.1% BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP or DCHP.</p> <p>For the purpose of this ban; "Children's toy" means a consumer product designed or intended by the manufacturer for a child 12 years of age or younger for use by the child when the child plays. "Child care article" means a consumer product designed or intended by the manufacturer to facilitate sleep, relaxation or the feeding of a child 3 years of age or younger or to help such children with sucking or teething.</p> <p>Actual testing would be conducted on the following accessible plastics materials, plasticizer print, scrapable surface coatings, decals, polymeric coated materials (unscrapable), adhesives and sealants (exclude adhesive for stickers), toy nail polish, reusable packaging, electrical plug or cables and plastic stealth of electrical wires Vendor shall be responsible for the compliance of all other accessible materials and inaccessible materials.</p> <p>a. Poly vinyl chloride (PVC) b. Poly vinylidene chloride (PVDC) c. Poly vinyl acetate (PVAc) d. Poly urethane (PU) e. Ethylene propylene diene monomer rubber (EPDM) f. Ethylene vinyl acetate (EVA) g. Other foam plastics (except polyolefins) h. Natural and synthetic rubber i. Silicone j. Thermoplastic elastomers (TPEs) k. Plastic materials other than polyolefins with shore A hardness < 90</p> <p>In case of insufficient material for testing found on number of samples specified in the protocol, vendor needs to provide additional samples for testing.</p> <p>Note: BOM shall be provided for lab. information.</p> <p>Report actual results or include data table within report.</p> <p>Composite testing is allowed up to 3 similar materials. If the composite result exceeds the adjusted limit (regulatory limit divided by the number of components), individual materials will be analyzed.</p> <p>[Effective Date 15 March 2018] - report fail result of DCHP, DHEXP and DPENP as DATA and rating of the test as CAR before the above date . - report fail result as FAIL on or after the above date.</p>	P

Note: P = Pass F = Fail NA = Not applicable NR = Not Requested

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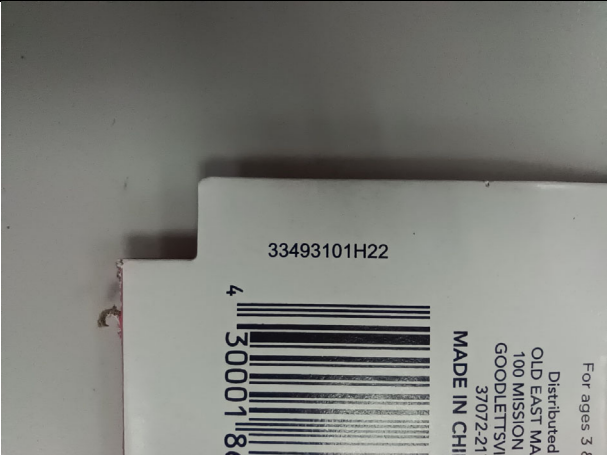
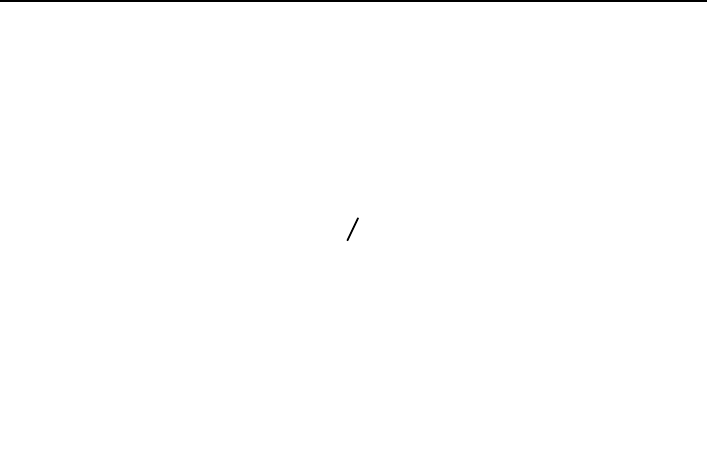


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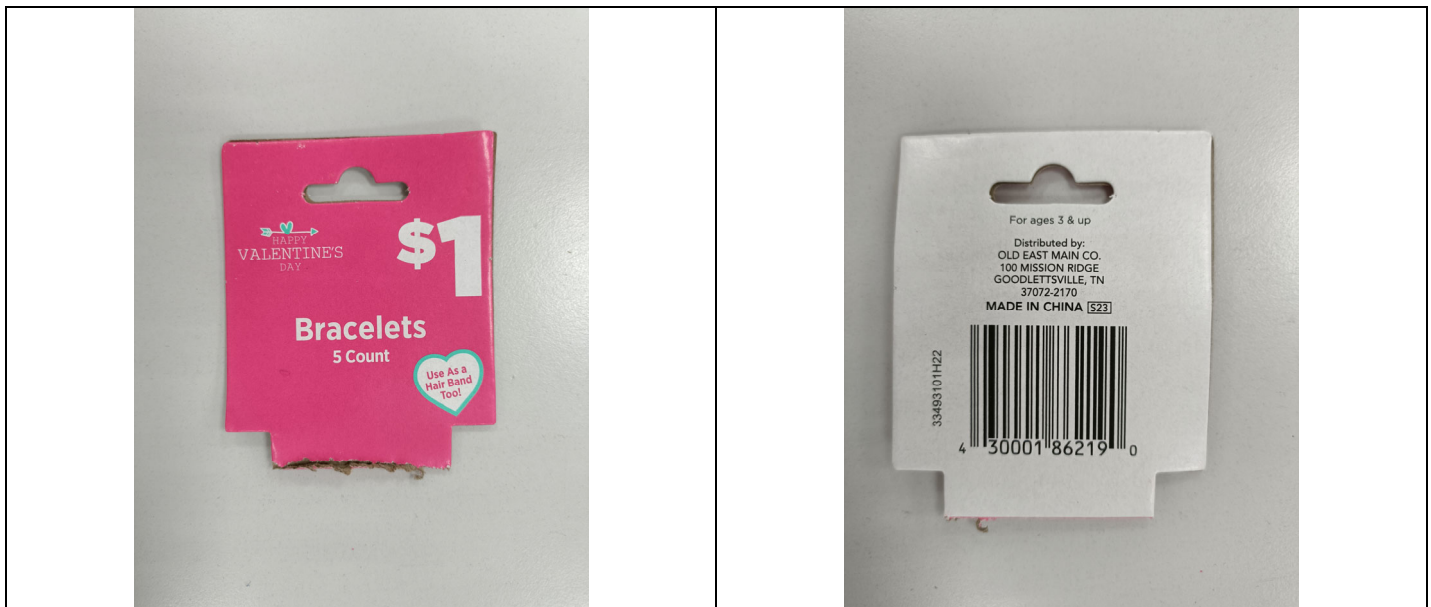
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Location of Tracking Label

Tracking label on packaging	Tracking label on product
	

Packaging Details



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

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NOTE:

If there is question or concern regarding the above results, please contact us via email iyang@mts-global.com

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