TEST REPORT

REACH INTERNATIONAL TRADING LIMITED

Technical Report: **(3223)060-0358** Mar.07,2023
Date Received: Mar.01,2023

REACH INTERNATIONAL TRADING LIMITED
NO.688 JINDA ROAD, INVESTMENT & INCUBATION CENTER,
YINZHOU DISTRICT,NINGBO, CHINA

SAMPLE INFORMATION:

Sample Description:	CHRISTMAS METAL BUCKET	**Sample Quantity:**	7
Vendor:	N/A	**Style No(s):**	N/A
Manufacturer:	N/A	**SKN/SKU No.:**	N/A
Buyer:	N/A	**PO No.:**	4506953141
Labeled Age Grade:	NOT PROVIDED	**Ref #:**	N/A
Appropriate Age Grade:	N/A	**Country of Origin:**	CHINA
Client Specified Age Grade:	OVER 3 YEARS OF AGE	**Assortment No.:**	N/A
Tested Age Grade:	OVER 3 YEARS OF AGE	**Country of Destination:**	N/A
UPC Code:	N/A	**Color :**	N/A

EXECUTIVE SUMMARY:

TEST REQUESTED	CONCLUSION
The mechanical hazards requirements of ASTM F963-17, “Standard consumer safety specification for toy safety.	PASS
The labeling requirements of ASTM F963-17, “Standard consumer safety specification for toy safety.	SEE NOTE 3
The flammability requirement of solids under ASTM F963-17 section 4.2 according to Annex A5, "Flammability testing procedure for solids and soft toys"	PASS
Total Lead Content in Surface Coating – United States Consumer Product Safety Improvement Act (CPSIA), Section 101(a)(2)	PASS
Phthalates Content - Reference to California Proposition 65 List of Chemicals & As Client’s requirement	PASS
Phthalates Content in Children`s Toys and Child Care Articles - United States Code of Federal Regulations (CFR), Title 16, Part 1307	PASS
Total Lead Content in Substrate - United States Consumer Product Safety Improvement Act (CPSIA) Section 101(a)(2)	PASS
Total Lead Content in Surface Coating- Reference to California Proposition 65 List of Chemicals & As Client’s requirement	PASS
Total Lead Content in Substrate - Reference to California Proposition 65 List of Chemicals & As Client’s requirement	PASS
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.	PASS
Total Lead in Surface Coating - ASTM International Standard ASTM F963-17, Section 4.3.5.1(1) for Total Lead Content in Surface Coating	PASS
Soluble Heavy Metals Content in Surface Coating - ASTM International Standard ASTM F963-17, Section 4.3.5.1(2)	PASS
Total Lead in Substrate Material - ASTM International Standard ASTM F963-17, Section 4.3.5.2(1) for Total Lead Content in Substrate Material	PASS

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Note:
1.The sample is tested as “Over 3 years of age” per the client’s request .
2.The sample was not evaluated to the Normal Use testing requirements specified in ASTM F963-17, Section 8.5. It is the responsibility of the manufacturer, vendor or distributor to conduct tests that will simulate normal use conditions. These tests shall ensure that hazards are not generated through normal wear and deterioration of the sample. These tests shall also simulate the normal play mode of the toy and to simulate the expected mode of use of the particular toy. The tests shall be conducted in an expected use environment. These normal use tests shall simulate the intended use of the toy based on its estimated lifetime.
3.No relevant packaging was provided with the submitted sample(s), consequently, evaluation of the labeling requirements of ASTM F963-17, was not conducted.

BVCPS (ZHEJIANG) GENERAL CONTACT INFORMATION FOR THIS REPORT

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Bureau Veritas Testing Technical Service (Zhejiang) Co., Ltd

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APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the Age Determination Guidelines of the Consumer Product Safety Commission (CPSC); and the ASTM F963-17, "Standard Consumer Safety Specification on Toy Safety". Annex A1
Note : The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing. Note : If the client does not specify an age grade for testing or request BVCPS to determine an appropriate age grade, the labeled age grade will be used for testing.

USE AND ABUSE TESTS

The samples were undergo the tests in accordance with section 8.6 through 8.16, whichever is applicable

Test	Test Parameters	Standard Reference
Drop	4x3 ft	1500.53(b)
Torque	4 in-lbs	1500.53(e)
Tension	15 lbs	1500.53(f)

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-17)

Section	Requirement	Result
4.1	Material Quality	M
4.3.7	Stuffing Materials	N/A
4.5	Sound-Producing Toys	N/A
4.6	Small Objects	N/A
4.7	Accessible Edges	M
4.8	Projections	N/A
4.9	Accessible Points	M
4.10	Wires and Rods	N/A
4.11	Nails and Fasteners	N/A
4.12	Plastic Film	N/A
4.13	Folding Mechanisms and Hinges	N/A
4.14	Cords, Straps and Elastics	N/A
4.15	Stability and Over-Load Requirements	N/A
4.16	Confined Spaces	N/A
4.17	Wheels, Tires, and Axles	N/A
4.18	Holes, Clearances and Accessibility of Mechanisms	N/A
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A
4.25	Battery-Operated Toys (exclude Section 4.25.10 Battery-powered ride-on toys & Section 4.25.11 Toys that Contain Secondary Cells or Secondary Batteries)	N/A
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.30	Toy Gun Marking	N/A
4.32	Certain Toys with Nearly Spherical Ends	N/A
4.34	Small Balls	N/A
4.35	Pompoms	N/A
4.36	Hemispheric-Shaped Objects	N/A
4.37	Yo Yo Elastic Tether Toys	N/A
4.38	Magnets	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels	N/A
4.40	Expanding Materials	N/A

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section

LABELING AND INSTRUCTIONAL REQUIREMENT (ASTM F963-17)

Section	Requirement	Result
5.4 & 5.3	Aquatic Toys	SEE NOTE 3
5.5 & 5.3	Crib and Playpen Toys	SEE NOTE 3
5.6 & 5.3	Mobiles	SEE NOTE 3
5.7 & 5.3	Stroller and Carriage Toys	SEE NOTE 3
5.8 & 5.3	Toys Intended to be Assembled by an Adult	SEE NOTE 3
5.9 & 5.3	Simulated Protective Devices	SEE NOTE 3
5.10 & 5.3	Toys with Functional Sharp Edges or Sharp Points	SEE NOTE 3
5.11	Small Objects, Small Balls, Marbles and Balloons (16 CFR 1500.19)	SEE NOTE 3
5.12	Toy Caps (16CFR1500.86)	SEE NOTE 3
5.13	Art Materials (16 CFR 1500.14(b)(8))	SEE NOTE 3
5.15	Battery-Operated Toys (exclude 5.15.1 and 5.15.2)	SEE NOTE 3
5.15.1 & 5.3	Battery-Powered Ride-On Toys	SEE NOTE 3
5.15.2 & 5.3	Button or Coin Cell Batteries	SEE NOTE 3
5.16	Promotional Materials	SEE NOTE 3
5.17 & 5.3	Magnets	SEE NOTE 3
6.1	Definition and Description	SEE NOTE 3
6.2	Crib and Playpen Toys	SEE NOTE 3
6.3	Mobiles	SEE NOTE 3
6.4 & 5.3	Toys Intended to be Assembled by an Adult	SEE NOTE 3
6.5	Battery-Operated Toys	SEE NOTE 3
6.6	Battery-Powered Ride-On Toys	SEE NOTE 3
6.7	Toys in Contact with Food	SEE NOTE 3
7.1	Producer's Name and Address	SEE NOTE 3
7.2	Battery-Powered Ride-on Toys	SEE NOTE 3

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section

FLAMMABILITY (16 CFR SECTION 1500.3(c)(6)(vi))

Requirement	Test Method Reference	Findings
Burn rate no greater than 0.1 of an inch per second	16 CFR 1500.44	Ignited but Self-Extinguished

Tested Component(s) Breakdown List

Test Item	Description	Location	Style
1	Red coating	Inner	-
2	Multicolor coating	Surface	-
3	Silvery metal	Body	-
4	Silvery metal	Screw	-

Total Lead Content in Surface Coating – United States Consumer Product Safety Improvement Act (CPSIA), Section 101(a)(2)

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

Maximum Limit:	90mg/kg

Test Item(s)	Result	Unit	Conclusion
1	ND	mg/kg	PASS
2	ND	mg/kg	PASS

Note / Key:
ND = Not Detected mg/kg = milligram per kilogram MDL = Method Detection Limit
Detection Limit(mg/kg): 10

Phthalates Content - Reference to California Proposition 65 List of Chemicals & As Client's requirement

Test Method : Extraction with solvent, analysed by Gas Chromatography Mass Spectrometer.

Parameter	CAS No.	Unit	Maximum Allowable Limit	Result	
	-	-	-	1	2
Dibutyl phthalate (DBP)	84-74-2	mg/kg	<1000	ND	ND
Butyl benzyl phthalate (BBP)	85-68-7	mg/kg	<1000	ND	ND
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	mg/kg	<1000	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	mg/kg	<1000	ND	ND
Di-iso-nonyl phthalate (DINP)	28553-12-0	mg/kg	<1000	ND	ND
Di-iso-decyl phthalate (DIDP)	26761-40-0	mg/kg	<1000	ND	ND
Di-n-hexyl phthalate (DnHP)	84-75-3	mg/kg	<1000	ND	ND
Diisobutyl phthalate	84-69-5	mg/kg	<1000	ND	ND

(DiBP)					
Conclusion	-	-	-	PASS	PASS

Note / Key:
ND = Not Detected MDL = Method Detection Limit
Detection Limit (mg/kg): Each 50

Phthalates Content in Children`s Toys and Child Care Articles - United States Code of Federal Regulations (CFR), Title 16, Part 1307

Test Method : CPSC-CH-C1001-09.4

Maximum Limit:	**Each 1000mg/kg**

Test Item(s)	**Result**		**Unit**	**Conclusion**
	Detected Analyte(s)	**Conc.**		
1	ND	ND	mg/kg	PASS
2	ND	ND	mg/kg	PASS

Note / Key:
ND = Not Detected Conc. = Concentration Detection Limit (mg/kg): Each 50

Remark:
- - The list of phthalates is summarized in table of Appendix.

List of Phthalates Content In Children`s Toys And Child Care Articles - United States Code Of Federal Regulations (CFR), Title 16, Part 1307					
No.	**Name of Analytes**	**CAS-No.**	**No.**	**Name of Analytes**	**CAS-No.**
1	Dibutyl phthalate (DBP)	84-74-2	5	Dihexyl phthalate	84-75-3
2	Butylbenzylphthalate (BBP)	85-68-7	6	Diisobutyl phthalate	84-69-5
3	Di-2-ethylhexyl phthalate (DEHP)	117-81-7	7	Di-n-pentyl phthalate(DPENP/DPP)	131-18-0
4	Di-iso-nonyl phthalate (DINP)	28553-12-0	8	Di-cyclohexyl phthalate	84-61-7

Total Lead Content in Substrate - United States Consumer Product Safety Improvement Act (CPSIA) Section 101(a)(2)

Test Method : Metal: U.S. CPSC-CH-E1001-08.3
Non-metal: U.S. CPSC-CH-E1002-08.3.

Maximum Limit:	**100mg/kg**

Test Item(s)	**Result**	**Unit**	**Conclusion**
3	ND	mg/kg	PASS
4	ND	mg/kg	PASS

Note / Key:
ND = Not Detected mg/kg = milligram per kilogram MDL = Method Detection Limit

Detection Limit(mg/kg): 10

Total Lead Content in Surface Coating- Reference to California Proposition 65 List of Chemicals & As Client's requirement

Test Method : U.S. CPSC-CH-E1003-09.1
The sample is digested with acid mixtures, then analyzed by ICP-OES.

Parameter	Unit	Result		Maximum Allowable Limit
		1	2	
Lead (Pb)	mg/kg	ND	ND	90
Conclusion	-	PASS	PASS	-

Note / Key:
ND = Not Detected mg/kg = milligram per kilogram MDL = Method Detection Limit
Detection Limit (mg/kg):10

Total Lead Content in Substrate - Reference to California Proposition 65 List of Chemicals & As Client's requirement

Test Method : U.S. CPSC-CH-E1001-08.3 or U.S. CPSC-CH-E1002-08.3
The sample is digested with acid mixtures, then analyzed by ICP-OES/AAS.

Parameter	Unit	Result		Maximum Allowable Limit
		3	4	
Lead (Pb)	mg/kg	ND	ND	100
Conclusion	-	PASS	PASS	-

Note / Key:
ND = Not Detected mg/kg = milligram per kilogram MDL = Method Detection Limit
Detection Limit (mg/kg):10

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.

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

Maximum Limit:	**90 mg/kg**

Test Item(s)	Result	Unit	Conclusion
1	ND	mg/kg	PASS
2	ND	mg/kg	PASS

Note / Key:
ND = Not Detected mg/kg = milligram per kilogram MDL = Method Detection Limit
Detection Limit (mg/kg):10

Total Lead in Surface Coating - ASTM International Standard ASTM F963-17, Section 4.3.5.1(1) for Total Lead Content in Surface Coating

Test Method : ASTM International Standard ASTM F963-17, Section 8.3.1.1 and CPSC-CH-E1003-09.1 Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coating

Maximum Limit:	**90mg/kg**

Test Item(s)	Result	Unit	Conclusion
1	ND	mg/kg	PASS
2	ND	mg/kg	PASS

Note / Key:
Detection Limit (mg/kg) : 10 mg/kg = milligram(s) per kilogram
< = Less than

Soluble Heavy Metals Content in Surface Coating - ASTM International Standard ASTM F963-17, Section 4.3.5.1(2)

Test Method: ASTM International Standard ASTM F963-17, Section 8.3.2 to 8.3.4;ASTM International Standard ASTM F963-17, Section 8.3.5 (Excluding 8.3.5.5(3)).

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Limit: other than modeling clay (mg/kg)	25	1000	75	60	60	90	60	500

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Conclusion
Sample	Result (mg/kg)								
1	ND	194	ND	ND	ND	ND	ND	ND	Pass
2	ND	ND	ND	6.40	ND	ND	ND	ND	Pass

Note / Key:
mg/kg = milligrams per kilogram *< = Less Than*
Detection Limit (mg/kg) : As:2.5,Others:5 *As = Arsenic, Ba = Barium, Cd = Cadmium,*
Cr = Chromium, Hg = Mercury, Pb = Lead, *Sb = Antimony, Se = Selenium*

Total Lead in Substrate Material - ASTM International Standard ASTM F963-17, Section 4.3.5.2(1) for Total Lead Content in Substrate Material

Test Method : non-metal: ASTM International Standard ASTM F963-17, Section 8.3.1.1 and CPSC-CH-E1002-08.3 Standard Operating Procedure for Determining Lead (Pb) In Non-metal Children's Products
metal: CPSC-CH-E1001-08.3 Standard Operating Procedure for Determining Lead (Pb) In Metal Children's Products

Maximum Limit:	**100mg/kg**

Test Item(s)	Result	Unit	Conclusion
3	ND	mg/kg	PASS
4	ND	mg/kg	PASS

Note / Key:
Detection Limit (mg/kg) : 10 mg/kg = milligram(s) per kilogram
< = Less than

SAMPLE REFERENCE PHOTO:

-- END OF REPORT --