

Report No.: HN20240739

Date: 2024-03-04

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Applicant : VOODOO BOOMERANGS - MIGUEL TISSIERES SANCHEZ
Address : CADIZ 156 - MENDIOLAZA - PROVINCIA DE CORDOBA - ARGENTINA
Product Description : BOOMERANGS
Lot No. : 2023.0011.3
Model No. : RETRO
Supplier : VOODOO BOOMERANGS
Sample Material : POLYPROPYLENE
Age Grade : 10+ years
Manufacturer : VOODOO BOOMERANGS
Country of Origin : ARGENTINA
Country of Destination : US
Sample Received : 26.02,2024
Test Period : 26.02,2024 to 04.03,2024

Above sample information was provided and confirmed by clients, HQTS is not responsible for its accuracy or completeness.

SUMMARY OF TEST RESULTS	
Test Requested	CONCLUSION
Mechanical and physical properties - Toy Safety - ASTM F963-17	PASS
Flammability - Toy Safety - ASTM F963-17	PASS
Tracking labels – Children’s products as stipulated in section 103 of US Public Law 110-314 “Consumer Product Safety Improvement Act (CPSIA)”	See Results
Migration of Certain Elements - ASTM F963-17	PASS
Lead (Pb) - US Consumer Products Safety Improvement Act(CPSIA) of 2008(H.R. 4040) title 1, section 101 for total lead content	PASS
Phthalates - US Consumer Products Safety Improvement Act(CPSIA) of 2008(H.R. 4040) title 1, section 108 requirement on phthalates content	PASS

Ningbo Helmsman Quality Testing Services Co., Ltd.

宁波恒实质量检测技术服务有限公司

PREPARED BY :

Lucy

Lab manager (Lucy)



ADDRESS: 818 Jinyuan Road, Yinzhou District, Ningbo City, Zhejiang China
Tel: 86-574-83028482 Postcode: 315105 Email: Report Query (testing_quality@hqts.cn)

The results set forth in this report are only indicative or representative of the quality or characteristics of the test sample unless specifically and expressly noted. Our report includes all of the tests requested by you and the results thereof based upon the information that you provided to us. You have 15 days from date of issuance of this report to notify us of any material error or omission caused by our negligence, provided, however, that such notice shall be in writing and shall specifically address the issue you wish to raise. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission.

PRODUCT PHOTO



***** To be continued *****

A. Mechanical and physical properties

Test Method: ASTM F963-17

Labeled age grading:	10+ years
Applicant's specified age group for testing:	10+ years
Age grading for test:	10+ years

Test result:

Clause	Test Items	Assessment
4.	Safety Requirements	
4.1	Material Quality	PASS
4.4	Electrical /Thermal Energy	NA
4.5	Sound Producing Toys	NA
4.6	Small Objects	NA
4.6.1	Toys that are intended for children under 36 months	NA
4.6.2	Mouth-actuated toys	NA
4.6.3	Toys and games that are intended for use by children who are at least three years old (36 months) but less than six years of age (72 months)	NA
4.7	Accessible Edges	NA
4.7.1	Potentially hazardous sharp metal and glass edges	NA
4.7.2	Toys containing potentially hazardous edges that are a necessary part of the function of a toy	NA
4.7.3	Metal toys	NA
4.7.4	Molded toys	NA
4.7.5	Exposed bolts or threaded rods	NA
4.8	Projections	NA
4.8.1	Bath Toy Projections	NA
4.9	Accessible Points	NA
4.9.1	Potentially hazardous sharp points	NA
4.9.2	Toys in which an accessible, potentially hazardous sharp point is a necessary function of the toy	NA
4.9.3	Wood	NA
4.10	Wires or Rods	NA
4.11	Nails and Fasteners	NA
4.12	Plastic Film	NA
4.13	Folding Mechanisms and Hinges	NA

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Clause	Test Items	Assessment
4.13.1	Folding Mechanisms	NA
4.13.2	Hinge-line clearance	NA
4.14	Cords, Straps, and Elastics	NA
4.14.1	Cords, straps, and elastics in toys	NA
4.14.2	Self Retracting Pull Cords	NA
4.14.3	Pull Toys	NA
4.14.4	Strings and Lines for Flying Devices	NA
4.14.5	Cords on Toy Bags Intended for Children Up to 18 Months	NA
4.14.6	Ride-on Toys	NA
4.15	Stability and Over-Load Requirements	NA
4.15.1	Stability of Ride-On Toys and Toy Seats	NA
4.15.2	Sideways Stability Requirements	NA
4.15.2.1	Sideways Stability	NA
4.15.2.2	Sideways Stability, Feet Unavailable for Stabilization	NA
4.15.3	Fore and Aft Stability	NA
4.15.4	Stability of Stationary Floor Toys	NA
4.15.5	Overload Requirements for Ride-On Toys and Toy Seats	NA
4.15.6	Wheeled Ride-on Toys	NA
4.16	Confined Spaces	NA
4.16.1	Ventilation	NA
4.16.2	Closures	NA
4.16.2.1	With the closure in a closed position	NA
4.16.3	Toys that Enclose the Head	NA
4.17	Wheels, Tires and Axles	NA
4.18	Holes, Clearance, and Accessibility of Mechanisms	NA
4.18.1	Accessible Clearances for Moveable Segments	NA
4.18.2	Circular Holes in Rigid Materials	NA
4.18.3	Chains and Belts	NA
4.18.3.1	Supporting Chains	NA
4.18.3.2	Chains or Belts for Ride-On Toys	NA
4.18.4	Inaccessibility of Mechanisms	NA
4.18.5	Winding Keys	NA
4.18.6	Coil Springs	NA
4.19	Simulated Protective Devices(such as helmets, hats, and goggles)	NA
4.19.1	Eye Protection	NA
4.19.2	Toys that simulate safety protective devices(examples include, but are not limited to, construction helmets and sports helmets)	NA
4.20	Pacifiers	NA

Clause	Test Items	Assessment
4.21	Projectile Toys	PASS
4.21.1	All Projectiles	NA
4.21.1.1	Projectiles with rigid leading edges	NA
4.21.1.2	Projectiles with a foam shaft and a suction cup as the leading edge	NA
4.21.1.3	Other types of projectiles with a suction cup as the leading edge	NA
4.21.2	Projectile Toys with Stored Energy	NA
4.21.2.1	Projectiles launched by discharge mechanisms with stored energy shall not, whatever their orientation, fit entirely into the small parts cylinder	NA
4.21.2.2	Any projectile that has a kinetic energy	NA
4.21.2.3	Projectiles shall not have a kinetic energy per unit area of contact	NA
4.21.2.4	The resilient leading edge(s) on projectiles that have a kinetic energy exceeding 0.08 J	NA
4.21.2.5	Projectiles shall not have any sharp edges or sharp points	NA
4.21.2.6	The discharge mechanisms shall be unable to launch the improvised projectiles	NA
4.21.3	Projectile Toys without Stored Energy	PASS
4.21.3.1	Mouth actuated projectile toys	NA
4.21.3.2	Projectiles shall not have any sharp edges or sharp points	PASS
4.21.3.3	Arrows intended to be launched from a bow (that is, bow and arrow set) that have a kinetic energy greater than 0.08 J	NA
4.21.3.4	Projectiles in the form of an arrow	NA
4.21.4	Rotors	PASS
4.22	Teethers and Teething Toys	NA
4.22.1	Teethers and teething toys shall conform to the dimensional requirements	NA
4.22.2	In addition, teethers and teething toys incorporating nearly spherical, hemispherical, or circular flared ends	NA
4.22.3	Exclusion	NA
4.23	Rattles	NA
4.23.1	In addition to meeting the requirements	NA
4.24	Squeeze Toys	NA
4.24.1	Squeeze toys shall conform to the dimensional requirements	NA
4.25	Battery-Operated Toys	NA
4.25.1	The toy shall be marked permanently on the battery compartment or on the area immediately adjacent to the battery compartment to show the correct battery polarity using the polarity symbols "+" and "-".	NA
4.25.2	The maximum allowable direct current potential between any two accessible electrical points is 24 V nominal.	NA
4.25.3	Battery-operated toys shall be designed so that it is not possible to charge any non-rechargeable battery.	NA
	For toys intended for children less than 3 years old, all batteries shall not be	NA

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Clause	Test Items	Assessment
4.25.4	accessible before or after testing	
4.25.5	For all toys, batteries that fit completely within the small parts test cylinder	NA
4.25.6	Batteries of different types or capacities shall not be mixed within any single electrical circuit	NA
4.25.7	The surfaces of the batteries shall not achieve temperatures exceeding 71°C	NA
4.25.8	No condition shall occur that would cause the toy to fail the temperature requirements of 4.25.7 or present a combustion hazard	NA
4.25.9	Battery-operated toys shall meet the requirements of 6.5 for instructions on safe battery usage	NA
4.25.10	Battery-Powered Ride-On Toys	NA
4.25.11	Toys that Contain Secondary Cells or Secondary Batteries	NA
4.26	Toys Intended to be Attached to a Crib or Playpen	NA
4.26.1	Protrusions	NA
4.26.2	Crib Mobiles	NA
4.26.3	Crib Gyms	NA
4.27	Stuffed and Beanbag-Type Toys	NA
4.28	Stroller and Carriage Toys	NA
4.29	Art Materials	NA
4.30	Toy Gun Marking	NA
4.31	Balloons	NA
4.32	Certain Toys with Nearly Spherical Ends	NA
4.32.1	Nearly spherical, hemispherical, circular flared, or dome-shaped ends of toys or components of toys	NA
4.32.2	Nearly spherical, hemispherical, or dome-shaped ends of toy fasteners (for example, nails, bolts, screws, pegs)	NA
4.32.3	Preschool Play Figures	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-Shaped Objects	NA
4.37	Yo Yo 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
4.41.1	Lid Support	NA
4.41.2	Hinge Line Clearance	NA
4.41.3	Closures	NA

Clause	Test Items	Assessment
4.41.4	Ventilation	NA
4.41.5	Toy chests shall comply with the requirements	NA
5.	Safety Labeling Requirements	
5.2	Age Grading Labeling	NA
5.3	Safety Labeling Requirements	NA
5.4	Aquatic Toys	NA
5.5	Crib and Playpen Toys	NA
5.6	Mobiles	NA
5.7	Stroller and Carriage Toys	NA
5.8	Toys Intended to be Assembled By an Adult	NA
5.9	Simulated Protective Devices	NA
5.10	Toys with Functional Sharp Edges or Points	NA
5.11	Small Objects, Small Balls, Marbles, and Balloons	NA
5.12	Toy Caps	NA
5.13	Art Materials	NA
5.14	Electric Toys	NA
5.15	Battery-Operated Toys	NA
5.16	Promotional Materials	PASS
5.17	Magnets	NA
6.	Instructional Literature	
6.1	Definition and Description	NA
6.2	Crib and Playpen Toys	NA
6.3	Mobiles	NA
6.4	Toys Intended to be Assembled By an Adult	NA
6.5	Battery-Operated Toys	NA
6.6	Battery Powered Ride-on Toys	NA
6.7	Toys in Contact with Food	NA
6.8	Toy Chests	NA
7.	Producer's Markings	
7.1	Either a principal component of a toy or the package of toy shall be marked with the name and address of the producer or the distributor	Yes
7.2	Battery-Powered Ride-on Toys	NA
7.3	Toy Chests	NA

Remark: 1. NA = Not Applicable.
2. NR = Not Requirement.

***** To be Continued

B. Flammability

Test Method: 2.1.Flammability Test for solids and soft toys materials (CPSC 16 CFR 1500.44 & ASTM F963-17 Annex 5) As per section 4.2 of the ASTM F963-17

Test result:

Sample Name	Ignition point	Burn length (inch)	Time (sec)	Burn rate (inch/sec)	Limit (inch/sec)	Conclusion(s)
Boomerangs (white)	Edge	/	/	DNI	0.10	PASS
Boomerangs (orange)	Edge	/	/	DNI	0.10	PASS

Remark: 1. DNI = Did not ignite.

2. IBE = Ignited but self-extinguished before burn-rate could be determined.

3. All styles of the submitted toy samples (and its accessories) was/were tested, The above result only showed the most severe burn rate of the samples.

C. Tracking labels – CPSIA Section 103 Tracking Labels for Children’s Products

Test Method: The manufacturer of a children’s product shall place permanent, distinguishing marks on the product and its packaging, to the extent practicable, that will enable –

“(A) the manufacturer to ascertain the location and date of production of the product, cohort information (including the batch, run number, or other identifying characteristic), and any other information determined by the manufacturer to facilitate ascertaining the specific source of the product by reference to those marks; and

“(B) the ultimate purchaser to ascertain the manufacturer or private abeller, location and date of production of the product, and cohort information (including the batch, run number, or other identifying characteristic).”

Test result:

Tracking label on the packaging	Result(s)	Tracking label on the product	Result(s)
Manufacturer’s name & address	Present	Manufacturer’s name & address	Absent
Date of production of the product	Present	Date of production of the product	Absent
Cohort information	Present	Cohort information	Absent

Remark: 1. The tracking label assessment was based on the submitted sample, and the information was provided by the applicant. There was no verification on the validity of such information.

***** To be Continued

D. Migration of Certain Elements

Test Method: ASTM F963-17

Test result:

Soluble Element(s)		As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Total Pb
Maximum Allowable Limit (mg/kg)	All materials except modelling clay (Type I)	25	1000	75	60	60	90	60	500	100
	Modelling clay (Type II)	25	250	50	25	25	90	60	500	100
Analytical Correction (%)		60	30	30	30	50	30	60	60	/

Test Item(s)	Limit	Unit	RL	Result(s)						
				1	2	/	/	/	/	/
Soluble Arsenic (As)	25	mg/kg	5	ND	ND	/	/	/	/	/
Soluble Barium (Ba)	1000	mg/kg	100	ND	ND	/	/	/	/	/
Soluble Cadmium (Cd)	75	mg/kg	5	ND	ND	/	/	/	/	/
Soluble Chromium (Cr)	60	mg/kg	5	ND	ND	/	/	/	/	/
Soluble Mercury (Hg)	60	mg/kg	5	ND	ND	/	/	/	/	/
Soluble Lead (Pb)	90	mg/kg	10	ND	ND	/	/	/	/	/
Soluble Antimony (Sb)	60	mg/kg	5	ND	ND	/	/	/	/	/
Soluble Selenium (Se)	500	mg/kg	20	ND	ND	/	/	/	/	/
Conclusion(s)				PASS	PASS	/	/	/	/	/

Remark: 1. Reporting Limit (RL)
 2. ND = Not Detected (<RL).

***** To be Continued

E. Lead - US Consumer Products Safety Improvement Act(CPSIA) of 2008(H.R. 4040) title 1, section 101 for total lead content

Test Method: Ref. To CPSC-CH-E1002-08.3

Determination of Lead by ICP-OES

Test result:

Maximum Allowable Limit:	100mg/kg
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Parameter	Result					
	Limit (100mg/kg)					
	1+2	/	/	/	/	/
Lead	ND	/	/	/	/	/
Conclusion	PASS	/	/	/	/	/

Remark: 1. Reporting Limit (RL) for Lead = 10mg/kg.
2. ND = Not Detected (<RL).

***** To be Continued

F. Phthalates - US Consumer Products Safety Improvement Act(CPSIA) of 2008(H.R. 4040) title 1, section 108 requirement on phthalates content

Test Method: Ref. to CPSC-CH-C1001-09.4

Determination of Phthalates by Gas Chromatography-Mass Spectrometry (GC-MS)

Test result:

Test item	DBP	BBP	DEHP	DINP	DIBP
Maximum Permissible Limit (%)	0.1	0.1	0.1	0.1	0.1

Test item	DnPP or DPENP	DHP or DnHP or DHEXP	DCHP
Maximum Permissible Limit (%)	0.1	0.1	0.1

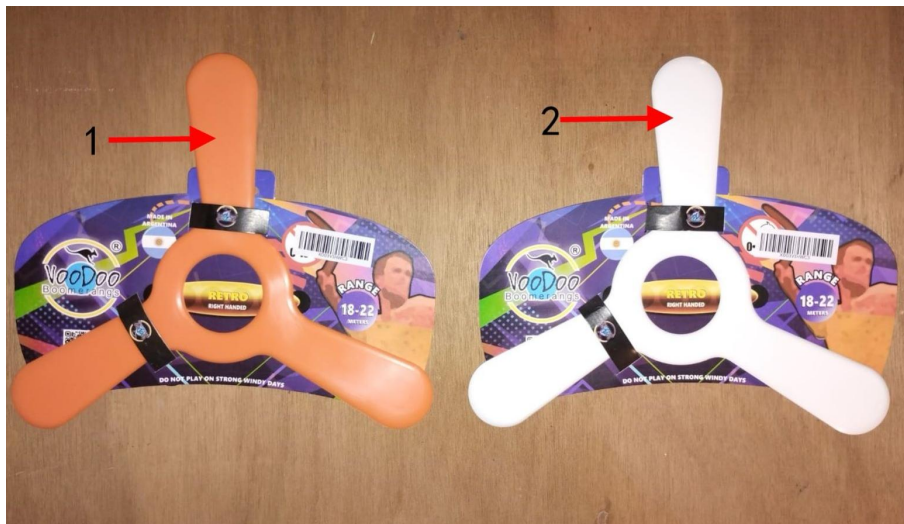
Parameter	CAS No.	Result(%)					
		1+2	/	/	/	/	/
Dibutyl phthalate (DBP)	84-74-2	ND	/	/	/	/	/
Butyl benzyl phthalate (BBP)	85-68-7	ND	/	/	/	/	/
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	0.015	/	/	/	/	/
Di-iso-nonyl phthalate (DINP)	28553-12-0 68515-48-0	ND	/	/	/	/	/
Diisobuty phthalate (DIBP)	84-69-5	ND	/	/	/	/	/
Di-n-pentylphthalate(DnPP or DPENP)	131-18-0	ND	/	/	/	/	/
Di-n-hexyl phthalate (DHP or DnHP or DHEXP)	84-75-3	ND	/	/	/	/	/
Dicyclohexyl phthalate (DCHP)	84-61-7	ND	/	/	/	/	/
Conclusion	-	PASS	/	/	/	/	/

Remark: 1. Reporting Limit (RL) for Each Phthalate = 0.005%.
2. ND = Not Detected (<RL).

***** To be Continued

Photograph(s)

Photograph depicting Test Item(s)



Product Name: RETRO
Product Model: RET-PP 011 - EAN 0659525174651
Manufacturer Name: VOODOO BOOMERANGS
Manufacturer Address: CADIZ 156, MEDIOLAZA -
CORDOBA
Production Date: 11/10/2023 - LOTE 2023.0011.3
Made in ARGENTINA
Age of Use: 10+

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