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CNAS L1744

SHANTOU LUNABEBE TOYS FACTORY

Technical Report: (8824)080-0102

Date Received: Mar 20, 2024

Apr 24, 2024

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HAIHOU LONGNEI INDUSTRIAL ZONE, LIANXIA TOWN,
CHENGHAI DISTRICT, 515835, SHANTOU, GUANGDONG
SHENG CHINA

Sample Description:	DOLL SERIES	Sample Size:	16
Vendor:	N/A	Style No(s):	SEE ATTACHMENT
Manufacturer:	N/A	SKN/SKU No.:	NOT PROVIDE
Labeled Age Grade:	18M+	PO No.:	NOT PROVIDE
Appropriate Age Grade:	NOT REQUESTED	Ref #:	NOT PROVIDE
Client Specified Age Grade:	18M+		
Tested Age Grade:	OVER 18 MONTHS OF AGE	Country of Origin:	NOT PROVIDE
UPC Code:	N/A	Assortment No.:	NOT PROVIDE
Resubmitted Sample Date:	APR 18, 2024	Further Information Date:	APR 23, 2024
Test Starting Date:	MAR 20, 2024	Test Finished Date:	APR 24, 2024

EXECUTIVE SUMMARY:

Test Requested	Conclusion
(#)Mechanical hazards requirements of ASTM F963-23, "Standard consumer safety specification for toy safety".	PASS
Labeling requirements of ASTM F963-23, "Standard consumer safety specification for toy safety".	PASS
(#)Flammability requirement of solids under ASTM F963-23 section 4.2 according to Annex A5, "Flammability testing procedure for solids and soft toys".	PASS
(#)Battery-operated toys test requirements of ASTM F963-23, "Standard consumer safety specification for toy safety", Section 4.25 (exclude 4.25.9 & 4.25.10).	PASS

To be continued

BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Lisa Bai

Lisa Bai

Analytical lab technical ass. manager



BUREAU VERITAS SHENZHEN CO.,LTD
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REMARK

If there are questions or concerns on this report, please contact the following persons:

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EXECUTIVE SUMMARY:

Test Requested	Conclusion
Pacifiers requirement of 16 CFR 1511 (FHSA Regulations)	PASS
(#)Total lead content in surface coating requirements of ASTM F963-23, "Standard consumer safety specification for toy safety", Section 4.3.5.1(1).	PASS
(#)Total lead content in substrate requirements of ASTM F963-23, "Standard consumer safety specification for toy safety", Section 4.3.5.2(2)(a).	PASS
(#)Soluble heavy metals content in surface coating requirements of ASTM F963-23, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.1(2).	PASS
(#)Soluble heavy metals content in substrate requirements of ASTM F963-23, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.2(2)(b).	PASS
(#)Phthalates (BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP & DCHP) content requirements of ASTM F963-23, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.8.	PASS

Note: At the request of client, test(s) was conducted on the certain component(s) of the submitted samples(s) / submitted component(s).

Note: The composite test sample(s) of the submitted samples was prepared in the manner requested by the client, when subject to the test performed.

Note: Tests with (#) are accredited by CNAS.

Note: At the request of the client, the sample(s) was evaluated for use by children 18M+.

Note: Certain of toys are fixed by glue thus there are no corresponding function such as folding mechanisms.



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ATTACHMENT:

Style No(s):

HX606、HX607、HX608、HX609、HX610、HX611、HX612、HX613、HX614、HX615、HX616、HX617、HX618、HX619、HX620、HX621、HX622、HX623、HX624、HX625、HX626、HX627、HX628、HX629、HX630、HX631、HX632、HX633、HX634、HX635、HX636、HX637、HX638、HX639、HX640、HX641、HX642、HX643、HX644、HX645、HX646、HX647、HX648、HX649、HX650、HX651、HX652、HX653、HX654、HX655、HX656、HX657、HX658、HX659、HX660、HX661、HX662、HX663、HX664、HX665、HX666、HX667、HX668、HX669、HX670、HX671、HX672、HX673、HX674、HX675、HX676、HX677、HX678、HX679、HX680、HX681、HX682、HX683、HX684、HX685

Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Brown soft plastic	Hair	-
I002	Nude soft plastic	Head	-
I003	Nude plastic	Girl body	-
I004	Pink plastic	Seat	-
I005	White plastic	Nursing bottle	-
I006a	Black coating	Duck	-
I006b	White coating	Duck	-
I007	Pink/green/blue printed white fabric	Jumpsuits front	-
I008	Multicolor printed pink fabric	Dress	-
I009	Green soft plastic	Rain boots	-
I010	Purple plastic	Teether	-
I011	Nude soft plastic	Head	-
I012	Dark brown soft plastic	Hair	-
I013	Blue plastic	Bowl	-
I014	Purple plastic	Bowl	-
I015	Pink plastic	Bottle	-
I016	Rose red plastic	Seat	-
I017	White plastic	Nursing bottle	-
I018	Transparent plastic	Water bottle	-
I019	White soft plastic	Baby onesie	-
I020	Cyan soft plastic	Unicorn	-
I021	Pink soft plastic	Elephant	-
I022	Nude plastic	Girl body	-
I023	Purple plastic	Teether	-
I024	Yellow plastic	Teether	-



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RESULTS:

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 F963-23, "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 Bureau Veritas Consumer Products Services, Inc. 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
Impact Test	4 x 3 ft	1500.53(b)
Torque Test	4 in-lbs	1500.53(e)
Tension Test	15 lbs	1500.53(f)
Compression Test	30 lbs	1500.53(g)
Seam Tension	15 lbs	1500.53(f) (ii)



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RESULTS:

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-23)

Section	Requirement	Result
4.1	Material Quality	M
4.3.7	Stuffing Materials	M
4.5	Sound-producing Toys	M
4.6	Small Objects	M
4.7	Accessible Edges	M
4.8	Projections	M
4.9	Accessible Points	M
4.10	Wires and Rods	N/A
4.11	Nails and Fasteners	M
4.12	Plastic Film	M
4.13	Folding Mechanisms and Hinges	M
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	M
4.18	Holes, Clearances and Accessibility of Mechanisms	M
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	M
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A
4.25	Battery-operated Toys (exclude Section 4.25.9 Battery-powered ride-on toys & Section 4.25.10 Toys that Contain Secondary Cells or Secondary Batteries)	M
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-type Toys	M
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	M
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 NT=Not Test



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RESULTS:

LABELING AND INSTRUCTIONAL REQUIREMENT (ASTM F963-23)

Section	Requirement	Result
5.1.2	Tracking label	M
5.4 & 5.3	Aquatic Toys	N/A
5.5 & 5.3	Crib and Playpen Toys	N/A
5.6 & 5.3	Mobiles	N/A
5.7 & 5.3	Stroller and Carriage Toys	N/A
5.8 & 5.3	Toys Intended to be Assembled by an Adult	N/A
5.9 & 5.3	Simulated Protective Devices	N/A
5.10 & 5.3	Toys with Functional Sharp Edges or Sharp Points	N/A
5.11	Small Objects, Small Balls, Marbles and Balloons (16 CFR 1500.19)	N/A
5.12	Art Materials (16 CFR 1500.14(b)(8))	N/A
5.14	Battery-Operated Toys (exclude 5.14.1 and 5.14.2)	N/A
5.14.1 & 5.3	Battery-Powered Ride-On Toys	N/A
5.14.2 & 5.3	Button or Coin Cell Batteries	N/A
5.15	Promotional Materials	M
5.16 & 5.3	Magnets	N/A
6.1	Definition and Description	M
6.2	Crib and Playpen Toys	N/A
6.3	Mobiles	N/A
6.4 & 5.3	Toys Intended to be Assembled by an Adult	N/A
6.5	Battery-Operated Toys	N/A
6.6	Battery-Powered Ride-On Toys	N/A
6.7	Toys in Contact with Food	N/A
6.9	Toys which require a manufacturer-supplied specialty or custom tool to access the battery(ies)	N/A
7.1	Producer's Name and Address	M
7.2	Battery-powered Ride-on Toys	N/A

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

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	Most rapid burn rate less than 0.1 of an inch per second.

Remark:

- ASTM F963-23 labeling requirements are not accredited by CNAS.



RESULTS:

REQUIREMENTS FOR PACIFIERS (FHSA, Part 1511)

1. RIBBONS, STRINGS, CORDS OR OTHER ATTACHMENTS (FHSA, Section 1511.6)

Pacifier shall not be sold or distributed with any ribbon, string, cord, chain, twine, leather, yarn or similar attachments.

Comment:

The samples DOES NOT MEET the requirement of this Section.

The samples MEET the requirement of this Section.

2. LABELING (FHSA, Section 1511.7)

A label with the statement : "Warning - Do Not Tie Pacifier Around Child's Neck as it Presents a Strangulation Danger" shall appear legibly and conspicuously on each individual package, as well as on any retail display carton containing two or more pacifiers.

Comment:

The individual package DOES NOT MEET the requirement of this Section.

No retail display carton was provided, consequently evaluation of the labeling requirement on the carton of this Section could not be conducted.

The individual package MEET the requirement of this Section.

3. PROTRUSIONS LIMITATION (FHSA, Section 1511.4(a))

No protrusion from the face of the guard or shield opposite from the nipple shall exceed 0.63 inches (16mm) when measured in accordance with the procedure specified in Section 1511.4(b).

Comment:

The samples DO NOT MEET the requirement of this Section.

The samples MEET the requirement of this Section.

4. GUARD OR SHIELD REQUIREMENTS (FHSA, Section 1511.3)

a. Performance Requirements (FHSA, Section 1511.3(a))

The samples were placed into the testing fixture and subjected to 2 pounds of tension for 10 seconds in a perpendicular direction to the fixture. The samples should not be completely drawn through the opening of the fixture.

Comment:

The samples DO NOT MEET the requirements of this Section.

The samples MEET the requirements of this Section.

b. Ventilation Holes (FHSA, Section 1511.3(b))



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REQUIREMENTS FOR PACIFIERS (FHSA, Part 1511)

The pacifier guard or shield shall contain at least two holes symmetrically located and each being at least 0.20 inches (5mm) in minor dimension. The edge of any hole shall be no closer than 0.20 inches (5mm) to the perimeter of the pacifier guard or shield.

Comment:

The samples DO NOT MEET the requirements of this Section.

The samples MEET the requirements of this Section.

REQUIREMENTS FOR PACIFIERS (FHSA, Part 1511)

5. STRUCTURAL INTEGRITY TESTS (FHSA, Section 1511.5 (a) + (b))

The nipples and the handles of the samples were subjected to 10 pounds of tension for 10 seconds in all possible directions. No Small Parts were revealed.

6. HEAT CYCLE DETERIORATION (FHSA, Section 1511.5(c))

The samples were first subjected to a total of 6 boiling (5 minutes) / cooling (5 minutes in room temperature air (70°F)) cycles. Then subjected to 10 pounds of tension for 10 seconds in all possible directions applicable on the nipple and the handle. No Small Parts were revealed.

Remark:

- 16 CFR 1511 Pacifiers requirement are not accredited by CNAS.



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RESULTS:

Total Lead Content in Surface Coating – ASTM International Standard ASTM F963-23, Section 4.3.5.1(1)

Test Method : ASTM International Standard ASTM F963-23, Section 8.3.1 and Annex A7.

Maximum Allowable Limit :	90 mg/kg
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Test Item(s)	Result	Unit	Conclusion
	Total Lead (Pb)		
I006a+I006b	ND	mg/kg	PASS

Note / key:

ND = Not detected

mg/kg = milligram(s) per kilogram

Detection Limit (mg/kg) : 10



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RESULTS:

Total Lead Content in Substrate – ASTM International Standard ASTM F963-23, Section 4.3.5.2(2)(a)

Test Method : ASTM International Standard ASTM F963-23, Section 8.3.1 and Annex A7.

Maximum Allowable Limit :	100 mg/kg
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Test Item(s)	Result	Unit	Conclusion
	Total Lead (Pb)		
I001	ND	mg/kg	PASS
I002	ND	mg/kg	PASS
I003	ND	mg/kg	PASS
I004	ND	mg/kg	PASS
I005	ND	mg/kg	PASS
I007	ND	mg/kg	PASS
I008	ND	mg/kg	PASS
I009	ND	mg/kg	PASS
I010	ND	mg/kg	PASS

Note / key:

ND = Not detected

mg/kg = milligram(s) per kilogram

Detection Limit (mg/kg) : 10



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RESULTS:

Soluble Heavy Metals Content in Surface Coating –ASTM F963-23, Section 4.3.5.1(2)

Test Method : ASTM International Standard ASTM F963-23, Section 8.3.2 to 8.3.4

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Max. Limit (mg/kg)	25	1000	75	60	60	90	60	500
Analytical Correction (%)	60	30	30	30	50	30	60	60

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Mass of Trace Amount	Conclusion
Test Item(s)	Result (mg/kg)								(g)	
I006a	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I006b	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS

Note / key:

As = Arsenic

Ba = Barium

Cd = Cadmium

Cr = Chromium

Hg = Mercury

Pb = Lead

Sb = Antimony

Se = Selenium

ND = Not detected

g = gram(s)

% = percent

mg/kg = milligram(s) per kilogram

Detection Limit (mg/kg) : As : 2.5; Ba : 100; Cd : 7.5; Each (Cr, Hg, & Sb) : 6.0; Pb : 9.0; Se : 50



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RESULTS:

Soluble Heavy Metals Content in Substrate –ASTM F963-23, Section 4.3.5.2(2)(b)

Test Method : ASTM International Standard ASTM F963-23, Section 8.3.5 (Excluding 8.3.5.5(3))

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Max. Limit Type I (mg/kg)	25	1000	75	60	60	90	60	500
Max. Limit Type II (mg/kg)	25	250	50	25	25	90	60	500
Analytical Correction (%)	60	30	30	30	50	30	60	60

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Mass of Trace Amount	Conclusion
Test Item(s)	Result (mg/kg)								(g)	
Type I: Substrate other than modeling clay										
I001	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I002	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I003	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I004	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I005	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I007	ND	ND	ND	ND	ND	ND	15	ND	-	PASS
I008	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I009	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I010	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS

Note / key:

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

ND = Not detected g = gram(s) % = percent

mg/kg = milligram(s) per kilogram (ppm=parts per million)

Detection Limit (mg/kg) :

For Type I – As : 2.5; Ba : 100; Cd : 7.5; Each (Cr, Hg, & Sb) : 6.0; Pb : 9.0; Se : 50

For Type II – Each (As, Cr & Hg) : 2.5; Ba : 25; Cd : 5.0; Sb : 6.0; Pb : 9.0; Se : 50

Remark:

- Textiles (natural or synthetic) are exempted for lead content requirement according to clarification of Toy Industry Association for ASTM F963-23. The lead content analysis result of corresponding material herein is for client's reference only.



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RESULTS:

Phthalates (BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP & DCHP) content requirements of ASTM F963-23, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.8.

Test Method : With reference to U. S. CPSC-CH-C1001-09.4 (January 17, 2018)

Test Parameter:	BBP	DBP	DEHP	DINP	DIBP	DPENP	DHEXP	DCHP	-
Limit (%):	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-
Test Item(s)	Result (%)								Conclusion
I011+I012	ND	ND	ND	ND	ND	ND	ND	ND	PASS
I013+I014+I015	ND	ND	ND	ND	ND	ND	ND	ND	PASS
I016+I017+I018	ND	ND	ND	ND	ND	ND	ND	ND	PASS
I019+I020+I021	ND	ND	ND	ND	ND	ND	ND	ND	PASS
I022+I023+I024	ND	ND	ND	ND	ND	ND	ND	ND	PASS

Note / key:

DEHP = Di(2-ethylhexyl) phthalate

DHEXP(DnHP) = Di-n-hexyl phthalate

DPENP(DnPP) = Di-n-pentyl phthalate

ND = Not detected

mg/kg = milligram(s) per kilogram

Detection Limit (%) : Each 0.005

DBP = Dibutyl phthalate

DIBP = Di-iso-butyl phthalate

DCHP = Dicyclohexyl phthalate

% = percent

BBP = Butyl benzyl phthalate

DINP = Di-iso-nonyl phthalate

10000 mg/kg = 1 %

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