



DONGGUAN JOLLYBABY PRODUCTS CO.,LTD

Technical Report: (8818)352-0095(R1)
Date Received: Dec 18, 2018

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DONGGUAN JOLLYBABY PRODUCTS CO.,LTD
HENGJIANG INDUSTRIAL PARK,CHASHAN
TOWN,DONG GUAN CITY,GUANG DONG
PROVINCE,CHINA

Sample Description:	WLTH8231J NEW FARM ANIMAL TAIL CLOTH BOOK		
Vendor:	N/A	Sample Size:	8
Manufacturer:	JOLLYBABY CULTURE SCIENCE AND TECHNOLOGY (GUANGDONG)CO.,LTD	Style No(s):	NOT PROVIDE
Buyer:	N/A	SKN/SKU No.:	NOT PROVIDE
Labeled Age Grade:	0M+	PO No.:	NOT PROVIDE
Appropriate Age Grade:	NOT REQUESTED	Ref #:	NOT PROVIDE
Client Specified Age Grade:	0+	Country of Origin:	NOT PROVIDE
Tested Age Grade:	ALL AGES	Assortment No.:	NOT PROVIDE
UPC Code:	N/A	Further Information Date:	DEC 28, 2018
Test Starting Date:	DEC 18, 2018	Test Finished Date:	DEC 29, 2018

EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- The labeling requirements of ASTM F963-17, "Standard consumer safety specification for toy safety".
- The mechanical hazards requirements of ASTM F963-17, "Standard consumer safety specification for toy safety".
- The flammability requirement of solids under ASTM F963-17 section 4.2 according to Annex A5, "Flammability testing procedure for solids and soft toys".

To be continued

BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

Harvey Xue
Manager, Analytical Lab

BUREAU VERITAS SHENZHEN CO.,LTD
DONGGUAN BRANCH

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RT/SS/LL

REMARK

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

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EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- The total lead content in substrate requirements of ASTM F963-17, "Standard consumer safety specification for toy safety", Section 4.3.5.2(2)(a).
- The soluble heavy metals content in substrate requirements of ASTM F963-17, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.2(2)(b).
- The total lead content of 100ppm requirements in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).
- The phthalates (BBP, DBP, DEHP, DINP, DIBP, DPENP, DHEXP & DCHP) content requirements of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) and 108(c), 16 CFR 1307).
- The mechanical hazards requirements of China Standard GB 6675 - 2014, Part 2, "Safety of Toys".
- The flammability requirements of China Standard GB 6675 - 2014, Part 3, "Safety of Toys".
- The migration of certain elements requirements of the People's Republic of China National Standard GB 6675.1-2014 "Toys Safety – Part 1: Basic Code", Sections 5.3.3 and 5.3.5.
- The BBP, DBP and DEHP content requirements of the People's Republic of China National Standard GB 6675.1-2014 "Toys Safety – Part 1: Basic Code", Section .5.3.7.
- The DNOP, DINP and DIDP content requirements of the People's Republic of China National Standard GB 6675.1-2014 "Toys Safety – Part 1: Basic Code", Section .5.3.7.

Note: At the request of the client, the sample(s) was evaluated for use by children 0+.

Note: At the request of the client, the GB 6675.2-2014-part 2 and GB/T 5296.5-2006 labeling requirement(s) was not evaluated for this submission.

Note: The sample(s) 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(s). 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.

Note: The sample(s) submitted do not fall within the scope of the di(2-ethylhexyl) phthalate (DEHP) content requirement of ASTM F963-17, "Standard consumer safety specification for toy safety", section 4.3.8 thus the corresponding testing has/have not been conducted.

Note: No accessible surface coating was found on the submitted samples. Consequently, heavy metals analysis on surface coatings was not conducted.

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.



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Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Transparent plastic	Film	-
I002	White soft plastic	Elastic band	-
I003	White plastic	Velcro	-
I004	Multicolor printed white fabric	Book	-
I005	Blue/green/purple/red/orange/black printed white fabric	Sewn label	-
I006	Orange/black printed beige plush	Tail	-
I007	Orange thread/orange fabric	Binding	-
I008	White fabric	Tail	-
I009	White loop fastener	Velcro	-
I010	Black ribbon	Ribbon	-
I011	Pink fabric	Tail	-
I012	Orange fabric	Tail	-
I013	White plush	Tail	-
I014	Black fabric	String	-
I015	Bright black fabric	Tail	-
I016	Yellow fabric	Tail	-
I017	White floss	Filler	-
I018	White net fabric	Lining	-
I019	White elastic band	Elastic band	-
I020	White fabric	Lining	-



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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 F963-17, "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 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	10 x 4.5 ft	1500.51(b)
Torque Test	4 in-lbs	1500.53(e)
Tension Test	15 lbs	1500.53(f)
Compression Test	30 lbs	1500.53(g)



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RESULTS:

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-17)

Section	Requirement	Result
4.1	Material Quality	M
4.3.7	Stuffing Materials	M
4.5	Sound-Producing Toys	N/A
4.6	Small Objects	M
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	M
4.13	Folding Mechanisms and Hinges	N/A
4.14	Cords, Straps and Elastics	M
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	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	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



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RESULTS:

LABELING AND INSTRUCTIONAL REQUIREMENT (ASTM F963-17)

Section	Requirement	Result
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	Toy Caps (16CFR1500.86)	N/A
5.13	Art Materials (16 CFR 1500.14(b)(8))	N/A
5.15	Battery-Operated Toys (exclude 5.15.1 and 5.15.2)	N/A
5.15.1 & 5.3	Battery-Powered Ride-On Toys	N/A
5.15.2 & 5.3	Button or Coin Cell Batteries	N/A
5.16	Promotional Materials	M
5.17 & 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
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

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.



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RESULTS:

Total Lead Content in Substrate – ASTM International Standard ASTM F963-17, Section 4.3.5.2(2)(a)

Test Method : ASTM International Standard ASTM F963-17, 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+I002+I003	ND	mg/kg	PASS
I004	ND	mg/kg	PASS
I005	ND	mg/kg	PASS
I006	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 Substrate –ASTM F963-17, Section 4.3.5.2(2)(b)

Test Method : 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
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
I003	ND	ND	ND	ND	ND	ND	ND	ND	0.0780	PASS
I004	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I005	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I006	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I007	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I008	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I009	ND	ND	ND	ND	ND	ND	ND	ND	0.0447	PASS
I010	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I011	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I012	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I013	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I014	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I015	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I016	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I017	ND	ND	ND	ND	ND	ND	13	ND	-	PASS
I018	ND	ND	ND	ND	ND	ND	7	ND	-	PASS
I019	ND	ND	ND	ND	ND	ND	ND	ND	0.0835	PASS
I020	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS



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RESULTS:

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 F963-17. The lead content analysis result of corresponding material herein is for client's reference only.



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RESULTS:

**Total Lead Content in Substrate Materials – Consumer Product Safety Improvement Act (CPSIA) of 2008
Sec. 101(a)(2)**

Test Method : U.S. CPSC-CH-E1002-08.3 or U.S. CPSC-CH-E1001-08.3

Maximum Allowable Limit :	100 mg/kg
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Test Item(s)	Result	Unit	Conclusion
	Total Lead (Pb)		
I001+I002+I003	ND	mg/kg	PASS
I004	ND	mg/kg	PASS
I005	ND	mg/kg	PASS
I006	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:

PHthalates Content in Children's Toys and Child Care Articles (Consumer Product Safety Improvement Act (CPSIA) of 2008, Section 108(a) and 108(c), 16 CFR 1307)

Test Method : With reference to CPSC -CH-C1001-09.4.

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
I001+I002+I003	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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RESULTS:

MECHANICAL & PHYSICAL PROPERTIES – (China GB 6675.2 - 2014)

Subclause	Requirement	Result
4.1	Normal use	M
4.2	Reasonably foreseeable abuse	M
4.3	Material	--
4.3.1	Material Quality	M
4.3.2	Expanding materials	NA
4.4	Small parts	--
4.4.1	Small Parts (under 36 months)	M
4.4.2	Small Parts warning (AR) (36 months and over but under 72 months)	NA
4.5	Shape, size and strength of certain toys	--
4.5.1	Squeeze toys, rattles and certain other toys	NA
4.5.2a	Small Ball (under 36 months)	NA
4.5.2b	Small ball warning (36 months and over but under 96 months)	NA
4.5.3	Pompoms	NA
4.5.4	Pre-school play figures	NA
4.5.5	Toy pacifiers	NA
4.5.6	Balloons warning	NA
4.5.7	Marbles warning	NA
4.5.8	Hemispheric-shaped toys	NA
4.6	Edges	--
4.6.1	Accessible sharp edges of glass or metal	NA
4.6.2a	Functional sharp edges (under 36 months)	NA
4.6.2b	Functional sharp edges warning (36 months and over but under 96 months)	NA
4.6.3	Edges on metal toys	NA
4.6.4	Edges on moulded toys	M
4.6.5	Edges on exposed bolts or threaded rods	NA
4.7	Points	--
4.7.1a	Accessible sharp points (under 96 months)	M
4.7.1c	Accessible sharp points (under 36 months)	M
4.7.2a	Functional sharp points (under 36 months)	NA
4.7.2b	Functional sharp points warning (36 months and over but under 96 months)	NA
4.7.3	Wooden toys	NA
4.8	Projections	--
4.8.1	Projections	NA
4.8.2	Handlebars and other tubes	NA



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RESULTS:

Subclause	Requirement	Result
4.9	Metal wires and rods	--
	Metal wires and rods	NA
	End of umbrella	NA
4.10	Plastic film or plastic bags in packaging and in toys	M
4.11	Cords and elastics	--
4.11.1	Cords and elastics (under 18 months)	M
4.11.2	Self-retracting pull cords (under 18 months)	NA
4.11.3	Cords for pull toys (under 36 months)	NA
4.11.4	Cords on toy bags	NA
4.11.5	Crib or playpen toys and mobiles Warning & Instruction for use	NA
4.11.6	Crib gyms and similar toys Warning & Instruction for use	NA
4.11.7	Cords, strings and lines for flying toys	NA
	Warning - Toy kites and other flying toys with cord	NA
4.12	Folding mechanisms	--
4.12.1	Toy pushchairs, perambulators and similar toys	NA
4.12.2	Other toys with folding mechanisms	NA
4.12.3	Hinge-line clearance	NA
4.13	Holes, clearances and accessibility of mechanisms	--
4.13.1	Circular holes in rigid materials (under 60 months)	NA
4.13.2	Accessible clearances for movable segments (under 96 months)	NA
4.13.3	Chains or belts in ride-on toys	NA
4.13.4	Other driving mechanisms	NA
4.13.5	Winding keys (under 36 months)	NA
4.14	Springs	NA
4.14a	Any coil spring with space > 3mm between coils shall be not accessible in using	NA
4.14b	Any pull spring shall be not accessible when the space between coils > 3mm under the force of 40N	NA
4.14c	Any compress spring may be compressed shall be not accessible when the space between coils >3mm in static condition and the spring, when the toy is used, can be subjected to a compression force of 40 N or more.	NA
4.15	Stability and overload requirements	--
4.15.1	Stability of ride-on toys and seats (under 60 months)	--
4.15.1.1	Sideways stability, feet available for stabilization	NA
4.15.1.2	Sideways stability, feet unavailable for stabilization	NA
4.15.1.3	Fore and aft stability	NA
4.15.2	Overload requirements for ride-on toys and seats	NA
4.15.3	Stability of stationary floor toys	NA



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RESULTS:

Subclause	Requirement	Result
4.16	Enclosures	--
4.16.1	Ventilation	NA
4.16.2	Closures	--
4.16.2.1	Lids, doors and similar devices	NA
4.16.2.2	Lid support for toy chests and similar toys	NA
	Instruction for assembly	NA
4.16.3	Toys that enclose the head	NA
4.17	Simulated protective equipment	NA
	Warning	NA
4.18	Projectile toys	--
4.18.1	Projectile toys - General	NA
4.18.2	Projectile toys with stored energy	NA
	Instruction for use	NA
4.18.3	Projectile toys without stored energy	NA
	Instruction for use	NA
4.19	Aquatic toys	NA
	Warning	NA
4.20	Braking	NA
4.21	Toy bicycles	--
4.21.1	Toy bicycles -- Instruction for use	NA
4.21.2	Toy bicycles -- Maximum saddle height	NA
4.21.3	Toy bicycles -- Braking requirements	NA
4.22	Speed limitation of electrically driven ride-on toys	NA
4.23	Toys containing a heat source	NA
4.24	Liquid-filled toys	NA
	Warning	NA
4.25	Mouth-actuated toys	NA
4.26	Toy roller skates, toy inline skates and toy skateboards	NA
	Warning	NA
4.27	Percussion caps	NA
	Warning	NA
4.28	Acoustic Requirement	NA
	Warning	NA
4.29	Magnets and magnetic components	--
4.29.1	Magnetic/electrical experimental sets (for children 8 years and over)	NA
	Warning	NA



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Subclause	Requirement	Result
4.29.2	All other toys with magnets and magnetic components	--
4.29.2 a	Loose-as-received magnet(s) and magnetic component(s)	NA
4.29.2 b	Wooden toys, toys intended in water and mouth pieces of mouth-actuated toys with magnets or magnetic components	NA
4.29.2c	Magnet(s) and magnetic component(s) liberated from toy	NA

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

LABELING AND INSTRUCTION (GB 6675: 2014)

Clause	Requirement	Result
GB 6675.2 Annex B	Labeling requirement on GB 6675:2014	NT
Annex	Labeling requirement on GB/T 5296.5	NT

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

FLAMMABILITY (China GB 6675.3 - 2014)

Subclause	Requirement	Result
4.1	General	NP
4.1	Highly flammable Solids, Flammable Gases, Flammable gels	NP
4.1	Flammable Liquids, Highly flammable Liquids	NA
4.1	Surface flash on a piled surface	M
4.2	Toys to be worn on head	NA
4.3	Toy disguise costumes	NA
4.3	Toy disguise costumes with warning	NA
4.4	Toys intended to be entered by a child	NA
4.4	Toys intended to be entered by a child with warning	NA
4.5	Soft-filled toys	M

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



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RESULTS:

Migration of Certain Elements – The People`s Republic of China National Standard GB 6675.1-2014, Sections 5.3.3 and 5.3.5

Test Method : The People`s Republic of China National Standard GB 6675.4-2014, Section 8.

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Max. Limit All except Type VIII, XI & XII (mg/kg)	25	1000	75	60	60	90	60	500
Max. Limit Type VIII (mg/kg)	25	250	50	25	25	90	60	500
Max. Limit Type XI & XII (mg/kg)	10	350	15	25	10	25	10	50
Analytical Correction (%)	60	30	30	30	50	30	60	60

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Mass of Trace Amount (g)	Conclusion
Test Item(s)	Result (mg/kg)								(g)	
Type II: Polymeric Materials										
I003	ND	ND	ND	ND	ND	ND	ND	ND	0.0780	PASS
Type IV: Textiles										
I004	ND	3	ND	ND	ND	ND	4	ND	-	PASS
I005	ND	9	ND	ND	ND	ND	4	ND	-	
I006	ND	ND	ND	ND	ND	ND	5	ND	-	PASS
I007	ND	2	ND	ND	ND	ND	ND	ND	-	PASS
I008	ND	7	ND	ND	ND	ND	3	ND	-	PASS
I009	ND	ND	ND	ND	ND	ND	ND	ND	0.0447	PASS
I010	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I011	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I012	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I013	ND	2	ND	ND	ND	ND	ND	ND	-	PASS
I014	ND	2	ND	ND	ND	ND	ND	ND	-	PASS
I015	ND	4	ND	ND	ND	ND	3	ND	-	PASS
I016	ND	3	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) : Each 2



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RESULTS:

BBP/DBP/DEHP Contents in Toys – The People’s Republic of China National Standard GB 6675.1-2014, Section 5.3.7

Test Method : Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer.

Test Parameter:	BBP	DBP	DEHP	SUM	-
Limit (%):	0.1 (Sum of three phthalates)				-
Test Item(s)	Result (%)				Conclusion
I001+I002+I003	ND	ND	ND	ND	PASS

Note / key:

BBP = Butyl benzyl phthalate

DBP = Dibutyl phthalate

DEHP = Di(2-ethylhexyl) phthalate

ND = Not detected

% = percent

10000 mg/kg = 1 %

mg/kg = milligram(s) per kilogram

Detection Limit (%) : Each 0.005

DNOP/DINP/DIDP Contents in Toys – The People’s Republic of China National Standard GB 6675.1-2014, Section 5.3.7

Test Method : Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer.

Test Parameter:	DIDP	DINP	DNOP	SUM	-
Limit (%):	0.1 (Sum of three phthalates)				-
Test Item(s)	Result (%)				Conclusion
I001+I002+I003	ND	ND	ND	ND	PASS

Note / key:

DNOP = Di-n-octyl phthalate

DINP = Di-iso-nonyl phthalate

DIDP = Di-iso-decyl phthalate

ND = Not detected

% = percent

10000 mg/kg = 1 %

mg/kg = milligram(s) per kilogram

Detection Limit (%) : Each 0.005

Remark:

- This report is to supersede BV(Dong guan) report No. (8818)352-0095 dated on Dec 29, 2018.

RESULTS:



END OF REPORT