

Test Report

Number: SZU009941
(SZHH0141060001)

Applicant: GLOBAL MARKETING ENTERPRISE (GME) LTD.
POB 25202 TLV ISRAEL

Date: Nov 13, 2019

Sample Description:

Six (6) pieces of submitted sample said to be :

Item Name : **Gymotions Play 'N' Nap.**
Item No. : **Yookidoo-40168.**
Labelled Age Group : 0-12 months.
Applicant Specified Age : From 0 to 12 months.
Grading for Testing :
Appropriate Age Grade : From 0 to 12 months.
Packaging Provided by Applicant : Yes (artwork).
Additional Material and Wet Paint Provided : Yes.
Brand Name : Yookidoo.
Buyer : --.
Vendor : La-DI-DA Baby Toy Company Limited
Qifu Industrial Park, Yong-An East Road, Guanyao, Nanhai District, Foshan, Guangdong, China.
Country of Origin : China.
Date Sample Received : Oct 24, 2019 & Nov 05, 2019.
Testing Period : Oct 24, 2019 ~ Nov 13, 2019.



Tests conducted:

As requested by the applicant, refer to attached page(s) for details.



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Conclusion:

<u>Tested Samples</u>	<u>Standard</u>	<u>Result</u>
Submitted sample(s)	EN 62115: 2005 + A12: 2015 on Safety of Electric Toy	Pass (Subjected to remark)
	EN71-1:2014+A1:2018 for mechanical and physical properties	Pass
	EN71 Part 2 : 2011+A1:2014 Flammability test	Pass
Tested component(s) of submitted sample(s)	EN71-3:2019 on migration of certain elements	Pass
	Cadmium content requirement in REACH regulation Annex XVII Item 23 (EC) No 1907/2006 and amendment No. 552/2009, 494/2011, 835/2012 and 2016/217	Pass
	Phthalates Content Requirement in Annex XVII Entry 51 & 52 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009	Pass
	Phthalates Content Requirement in Annex XVII Entry 51 & 52 of the REACH Regulation (EC) No 1907/2006 and Amendment (EC) No 552/2009 and (EU) 2018/2005. [(EU) 2018/2005 is applicable to products including toys and childcare articles placed on the market after 7 July 2020]	Pass



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Conclusion:

Tested Sample
Tested component(s) of
submitted sample(s)

Standard
Azocolourants Content Requirement in Annex
XVII Item 43 of the REACH Regulation (EC) No
1907/2006 & Amendment (EC) No 552/2009
and (EU) No 126/2013 (Formerly Known as
Directive 2002/61/EC)

Result
Pass

Remark:

At the request of the applicant, samples were evaluated according to EN71-1 & EN71-2 both before and after washing.

Authorized by:
For Intertek Testing Services Shenzhen Ltd.

Approved for and on behalf of
ITS Testing Services (UK) Limited



Rachel L. Guo
General Manager



Philip Bullock
Technical Manager



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Tests Conducted:

1 Safety of Electric Toys

As per European Standard EN 62115: 2005 + A12: 2015 on Safety of Electric Toys.

Power Source: 4.5 V, LR44 size x 3 pieces (replaceable type)

Electric Operated Function: Sound is powered by batteries.

Clause	Testing Items	Assessment
1	Scope	--
2	Normative references	--
3	Definitions	--
4	General requirement	--
5	General conditions for the tests	--
6	Criteria for reduced testing	--
7	Marking and instructions	P See remark (1)
8	Power input	NA
9	Heating and abnormal operation	P
10	Electric strength at operating temperature	P
11	Moisture resistance	P
12	Electric strength at room temperature	P
13	Mechanical strength	P
14	Construction	P
15	Protection of cords and wires	P
16	Components	P
17	Screws and connections	P
18	Creepage distances and clearances	P
19	Resistance to heat and fire	P



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Tests Conducted:

Clause	Testing Items	Assessment
20	Toxicity and similar hazards	See remark (2)
	Radiation hazard Annex E Toys incorporating lasers / light-emitting diodes (LED)	NA
	Toys with an integrated field source Annex ZC Toys generating Electromagnetic Fields (EMF)	NA
Annex ZB	Toys with protective electronic circuit influence from electromagnetic phenomena (EMP). <input type="checkbox"/> 9.ZB.1 Electrostatic discharges in accordance EN 61000-4-2 test level 4. <input type="checkbox"/> 9.ZB.2 Radiated fields in accordance with EN 61000-4-3 test level 3. <input type="checkbox"/> 9.ZB.3 Fast transient bursts in accordance with EN 61000-4-4 test level 3 (Signal line), level 4 (Power supply line). <input type="checkbox"/> 9.ZB.4 Voltage surges in accordance with EN 61000-4-5 test level 3 (Line to line), level 4(line to earth). <input type="checkbox"/> 9.ZB.5 Injected currents in accordance with EN 61000-4-6 test level 3, frequency 0,15 MHz to 80 MHz are covered. <input type="checkbox"/> 9.ZB.6 Voltage dips and interruptions in accordance with EN 61000-4-11, durations specified in EN 61000-4-11:2004, Table 1. <input type="checkbox"/> 9.ZB.7 Mains signals in accordance with EN 61000-4-13 test level class 2.	NA

P = Pass NA= Not applicable

Remark:

- (1) Only the English version of the marking and instructions were assessed. According to the standard, instruction sheets and other texts required by the standard shall be written in the official language of the country in which the product is to be sold.
- (2) This report does not include test result of toxicity and similar hazard.

2 Mechanical and Physical Test

As per European Standard on Safety of toys EN71-1:2014+A1:2018.

The submitted samples were undergone the following abuse tests:		
Test	Clause	Parameter
Torque test	8.3	0.34 Nm
Tension test	8.4.2.1	90 N
Seams and materials	8.4.2.2	70 N
Drop test	8.5	850 mm x 5times
Tip over test	8.6	Three times
Impact test	8.7	1 kg
Compression test	8.8	110 N

Clause	Testing items	Assessment
4	General requirements	
4.1	Material	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA



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Tests Conducted:

Clause	Testing items	Assessment
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectile toys	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	P
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy disguise costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements	P
5.2	Soft-filled toys and soft-filled parts of a toy	P
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	P
5.5	Liquid filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size of certain toys	P
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	P
7	Warnings, markings and instructions for use	
7.1	General	P
7.2	Toys not intended for children under 36 months	NA
7.3	Latex balloons	NA



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Tests Conducted:

Clause	Testing items	Assessment
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates and skateboards and certain other ride-on toys	NA
7.11	Toys intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethingers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300 mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

Remark : P = Pass NA = Not Applicable

Remark: As requested by applicant, samples were tested to EN71-1 both before and after washing. The washing method as below:
- Machine wash with reference to EC type approval protocol No. 4 domestic washing and drying procedures for textiles toy intended for children under 36 months and EN ISO 6330 (2000) + A1 (2009)

No difference in test results before and after washing.

Remark : Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements:

1. Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompany the toy. In addition, manufacturers shall ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

- Manufacturer's name was on the packaging & toy.
- Manufacturer's address was missed.
- Importer's name was missed.
- Importer's address was missed.
- Product identification code was on the packaging & toy.
- CE-marking was on the packaging & toy.



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Tests Conducted:

2. Cleaning instruction

A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provided instructions on how the toy has to be cleaned.

After checking, the cleaning instruction was found on the submitted samples.

3 Flammability Test

As per European Standard on Safety of Toys EN71-2:2011+A1:2014

<u>Clause</u>	<u>Testing items</u>	<u>Assessment</u>
4.1	General	P
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	P
4.5	Soft filled toys	P

Remark : P = Pass NA = Not applicable

Note: As requested by applicant, samples were tested to EN71-2 both before and after washing. The washing method as below:
Machine wash according to EN ISO 6330:2001+A1:2009

No difference in test results before and after washing.



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Tests Conducted:

4 19 Toxic Element Migration Test

(A) Test Result

As per EN71-3:2019 and followed by Inductively Coupled Plasma Atomic Emission Spectrometry, Inductively Coupled Argon Mass Spectrometry, Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry, Ion Chromatography with UV-VIS and Gas Chromatographic - Mass Spectrometry.

Category (III): Scraped-off toy material

Element	Result (mg/kg)				Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component					
	(3)	(4)	(25)	(26)		
Aluminium (Al)	ND	ND	ND	ND	300	70000
Antimony (Sb)	ND	ND	12	10	10	560
Arsenic (As)	ND	ND	ND	ND	10	47
Barium (Ba)	ND	116	ND	ND	10	18750
Boron (B)	ND	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	ND	5	17
Chromium (III) (Cr III) **	ND	ND	ND	ND	10	460
Chromium (VI) (Cr VI) **	ND#	ND#	ND#	ND#	0.025	0.053 [⊙]
Cobalt (Co)	ND	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	ND	10	23
Manganese (Mn)	ND	25	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	ND	10	460
Strontium (Sr)	146	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	ND	2.0	12
Zinc (Zn)	ND	136	ND	ND	100	46000

Element	Result (mg/kg)			Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component				
	(27)	(38)	(44)		
Aluminium (Al)	ND	ND	ND	300	70000
Antimony (Sb)	ND	ND	39	10	560
Arsenic (As)	ND	ND	ND	10	47
Barium (Ba)	14	11	ND	10	18750
Boron (B)	ND	ND	ND	50	15000
Cadmium (Cd)	ND	ND	ND	5	17
Chromium (III) (Cr III) **	ND	ND	ND	10	460
Chromium (VI) (Cr VI) **	ND#	ND#	ND#	0.025	0.053 [⊙]
Cobalt (Co)	ND	ND	ND	10	130
Copper (Cu)	ND	ND	ND	10	7700
Lead (Pb)	ND	ND	ND	10	23
Manganese (Mn)	ND	ND	ND	10	15000
Mercury (Hg)	ND	ND	ND	10	94
Nickel (Ni)	ND	ND	ND	10	930
Selenium (Se)	ND	ND	ND	10	460
Strontium (Sr)	ND	ND	ND	100	56000
Tin (Sn)	ND	ND	ND	2.5	180000
Organic tin **	ND	ND	ND	2.0	12



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Tests Conducted:

Zinc (Zn)	ND	ND	ND	100	46000
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Element	Result (mg/kg) θ		Reporting Limit (mg/kg)	Limit (mg/kg)
	Tested Component			
	(5)to(24),(28)to(37),(39)to(43),(45),(46)			
Aluminium (Al)	ND		300	70000
Antimony (Sb)	ND		10	560
Arsenic (As)	ND		10	47
Barium (Ba)	ND		10	18750
Boron (B)	ND		50	15000
Cadmium (Cd)	ND		5	17
Chromium (III) (Cr III) **	ND		10	460
Chromium (VI) (Cr VI) **	ND#		0.025	0.053 \odot
Cobalt (Co)	ND		10	130
Copper (Cu)	ND		10	7700
Lead (Pb)	ND		10	23
Manganese (Mn)	ND		10	15000
Mercury (Hg)	ND		10	94
Nickel (Ni)	ND		10	930
Selenium (Se)	ND		10	460
Strontium (Sr)	ND		100	56000
Tin (Sn)	ND		2.5	180000
Organic tin **	ND		2.0	12
Zinc (Zn)	ND		100	46000

Remark : mg/kg = milligram per kilogram
 ++ = Unless the test results were marked with "#" or "\Delta", Chromium (III) & Chromium (VI) and Organic tin contents were not directly determined and were derived from migration results of total chromium and tin respectively.
 - Organic tin test result was expressed as tributyl tin.
 ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group
 \odot = The new chromium (VI) migration limit [(0.053mg/kg for Category (III)] were quoted from directive (EU) 2018/725 amending 2009/48/EC effective from 18 November 2019.



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Tests Conducted:

= Confirmation of Chromium (VI) test was performed on the tested component. And the reported value of migration of Chromium (III) = migration value of total Chromium – migration value of Chromium(VI).

Δ = Confirmation test was performed on the tested component. The reported value was the sum of the migration values of Dimethyl tin, Methyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Di-n-propyl tin, Diphenyl tin and Triphenyl tin after converted to Tributyl tin by calculation. Other Organic tin compounds may be also be present in sample as stated in EN71-3:2019

Tested Component(s):

- (1) @Red coating on plastic (pattern on frame connector and switch of play mat).
- (2) @Black coating on plastic ("OFF", "ON" pattern of speaker case of frog of play mat).
- (3) Black coating on woven (sewn-in label of play mat and all dolls).
- (4) White coating on metal (frame of play mat).
- (5) Grass-green soft plastic (handle of ladybird toy).
- (6) Red plastic (body of ladybird toy).
- (7) Transparent plastic (mirror of ladybird toy).
- (8) Dull white plastic (frame connector of play mat).
- (9) Yellow-green plastic (frame of play mat).
- (10) Blue plastic (switch of frame connector of play mat).
- (11) Yellow plastic (hook of all dolls of play mat).
- (12) Pale blue plastic (hook of all dolls of play mat).
- (13) Light yellow-green plastic (YOOKIDOO ring of all dolls of play mat).
- (14) Red plastic (YOOKIDOO ring of all dolls of play mat).
- (15) Dark cyan plastic (big ring of wolf of play mat).
- (16) Light green plastic (small ring of wolf of play mat).
- (17) Bright red plastic (small ring of wolf of play mat).
- (18) Orange plastic (small ring of wolf and frog of play mat).
- (19) Light red plastic (small ring of frog of play mat).
- (20) Green plastic (small ring of frog of play mat).
- (21) Bright red plastic (speaker case of frog of play mat).
- (22) Blue plastic (pillar of frog of play mat).
- (23) Semi-transparent blue plastic Velcro hook (fastener of play mat).
- (24) Blue Velcro hook (fastener of play mat).
- (25) White felt with coffee printing (head of ladybird toy).
- (26) White felt with red printing (body of ladybird toy, tongue and holder for bowknot of frog).
- (27) Sky-blue printed woven (sky-blue series pattern of play mat, woven book, clothes of bear doll).
- (28) Orange printed woven (orange series pattern of play mat, woven book, head, hand and feet of bear doll).
- (29) White woven with printings (light green, grass-green) (pattern on binding and body, sider holder of play mat, frog).
- (30) Coffee printed woven (lower body, eyes, nose and pattern of body of bear doll).
- (31) Blue printed woven (blue series pattern and surface frame of play mat, woven book).
- (32) Red printed woven (red series pattern of play mat, wolf, bowknot of frog, woven book, frog, ear and pocket of bear doll).
- (33) Grass-green printed woven (grass-green series pattern of play mat, frog, woven book, frog pattern of bear doll).
- (34) Yellow printed woven (yellow series pattern, surface of frame of play mat, wolf and woven book).
- (35) Brown printed woven (coffee series pattern of play mat, woven book, wolf and frog).
- (36) Brown woven with sky-blue/yellow thread stitching logo (woven logo of play mat and all dolls).
- (37) Blue non-woven (base of play mat).
- (38) Blue brushed knit (handle and hook of play mat).
- (39) Blue Velcro loop (fastener of play mat).
- (40) Blue webbing (fastener of play mat).
- (41) Blue looped plush (play mat).
- (42) Orange ribbon (joint of woven book).
- (43) Red ribbon (joint of wolf).



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Tests Conducted:

- (44) Grass-green ribbon (joint of frog).
- (45) White thread (binding of play mat).
- (46) White woven excluding coating (sewn-in label of play mat and all dolls).

@: Since the sample weight of the component was less than 10 mg, soluble heavy metal analysis was not applicable.

(B) Categories of various toy materials

Category I: Dry, brittle, powder like or pliable

Solid toy material from which powder-like material is released during playing and semi-solid materials that may also leave residues on the hands during play. The material can be ingested. Contamination of the hands with the material may contribute to the oral exposure of the material. (e.g. the cores of colouring pencils, chalk, crayons, modelling clays and plaster).

Category II: Liquid or sticky

Fluid or viscous toy material, which can be ingested or to which dermal exposure may occur during playing. (e.g. liquid paints, finger paints, liquid ink in pens, glue sticks, slimes, bubble solution).

Category III: Scraped-off

Solid toy material with or without a coating, which can be ingested as a result of biting, tooth scraping, sucking or licking. (e.g. coatings, lacquers, plastics, paper, textiles, glass, ceramic, metallic, wooden, bone, leather and other materials).



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Tests Conducted:

5 Cadmium (Cd) Content

With reference to test method IEC 62321-5:2013, acid digestion method was used and total Cadmium content was determined by Inductively Coupled Argon Plasma Spectrometry.

Element	Result (%) θ	Reporting Limit (%)
	Tested Component	
	(1)to(4),(5+6),(7+8+9),(10+11+12),(13+14+15), (16+17+18),(19+22+23),(20+21),(24+25+26), (27+28),(29+30+31),(32+33+34),(35+36+37), (38+39),(40+41),(42+43),(44)to(47)	
Cadmium (Cd)	ND	0.0005

Limit:

Category	Limit (%)
Wet paint	0.01
Surface coating	0.1
Plastic	0.01
Metal parts of jewelry & hair accessories	0.01

ND = Not detected (less than reporting limit)
 θ = Single result for each test component/group
Tested Component(s):

- (1) Red coating on plastic (pattern on frame connector and switch of play mat).
- (2) Black coating on plastic ("OFF", "ON" pattern of speaker case of frog of play mat).
- (3) Black coating on woven (sewn-in label of play mat and all dolls).
- (4) White coating on metal (frame of play mat).
- (5) Grass-green soft plastic (handle of ladybird toy).
- (6) Red plastic (body of ladybird toy).
- (7) Dull white plastic (frame connector of play mat).
- (8) Yellow-green plastic (frame of play mat).
- (9) Blue plastic (switch of frame connector of play mat).
- (10) Yellow plastic (hook of all dolls of play mat).
- (11) Pale blue plastic (hook of all dolls of play mat).
- (12) Light yellow-green plastic (YOOKIDOO ring of all dolls of play mat).
- (13) Red plastic (YOOKIDOO ring of all dolls of play mat).
- (14) Dark cyan plastic (big ring of wolf of play mat).
- (15) Light green plastic (small ring of wolf of play mat).
- (16) Bright red plastic (small ring of wolf of play mat).
- (17) Orange plastic (small ring of wolf and frog of play mat).
- (18) Light red plastic (small ring of frog of play mat).
- (19) Green plastic (small ring of frog of play mat).
- (20) Bright red plastic (speaker case of frog of play mat).
- (21) Blue plastic (pillar of frog of play mat).
- (22) Semi-transparent blue plastic Velcro hook (fastener of play mat).
- (23) Blue Velcro hook (fastener of play mat).
- (24) White foam (handle of play mat).
- (25) Black plastic (joint of big ring of wolf).
- (26) White polyfoam (inner of frame of play mat).
- (27) Transparent plastic film (inner of woven book, bowknot of frog).
- (28) White plastic (holder for pillar of frog).
- (29) Snow white plastic (bell case of ladybird toy).
- (30) Semi-transparent plastic (bell of ladybird toy).
- (31) Transparent plastic (bead of ladybird toy).
- (32) Black adhesive foam (pad of speaker and battery cover of speaker case of frog).
- (33) Green plastic (speaker of speaker case of frog).



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- (34) Transparent plastic (film of speaker of speaker case of frog).
- (35) Brown/green PCB with black glue (PCB of speaker of frog).
- (36) Black plastic (slider button of speaker case of frog).
- (37) Brown PCB (slider button of speaker case of frog).
- (38) Black plastic sheet with white printing (vibrant of speaker case of frog).
- (39) Deep blue plastic (base of capacitor of speaker case of frog).
- (40) Yellow plastic (wire covering of speaker case of frog).
- (41) Green/brown PCB (main PCB of speaker case of frog).
- (42) Plastic part (main PCB of speaker case of frog).
- (43) Transparent plastic sheet (washer of battery cover of speaker case of frog).
- (44) White paper label with coffee coating (sticker of ladybird toy).
- (45) Transparent plastic film (surface of ladybird toy).
- (46) Transparent plastic sheet with backing (mirror of ladybird toy).
- (47) Snow white plastic (holder for frame of play mat).

6 Phthalate Content

With reference to International Standard ISO 8124-6:2018, and phthalate content was determined by Gas Chromatographic-Mass Spectrometric (GC-MS).

Test Item	CAS No.	Result (%) θ	Reporting Limit (%)	Limit (%)
		Tested component (35+36+37),(38+39), (40+41+42),(43+44+45), (46+47+48),(49+50), (51+52),(53+54),(56)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.005	--
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.005	--
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.005	--
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.005	--
Sum of DBP, DEHP, BBP and DIBP	--	ND	--	0.1

For 7 phthalates

Test Item	CAS No.	Result (%) θ	Reporting Limit (%)	Limit (%)
		Tested component (1)to(4),(5+6), (7+8+9),(10+11+12), (13+14+15),(16+17+18), (19+22+23),(20+21), (24+25+26),(27+28+29), (30+31+32),(33+34),(55)		
Dibutyl phthalate (DBP)	84-74-2	ND	0.005	--
Di-(2-ethyl hexyl) phthalate (DEHP)	117-81-7	ND	0.005	--
Benzyl butyl phthalate (BBP)	85-68-7	ND	0.005	--
Diisobutyl phthalate (DIBP)	84-69-5	ND	0.005	--
Sum of DBP, DEHP, BBP and DIBP	--	ND	--	0.1
Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0	ND	0.005	--
Di-n-octyl phthalate(DNOP)	117-84-0	ND	0.005	--
Di-iso-decyl phthalate (DIDP)	26761-40-0/ 68515-49-1	ND	0.005	--
Sum of DINP, DNOP and DIDP	--	ND	--	0.1



Test Report

Number: SZU009941
SZHH0141060001

Tests Conducted:

The limit was quoted according to Regulation (EC) No 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) and Amendment (EC) No 552/2009 and (EU) 2018/2005, Annex XVII Entry 51 & 52 on Phthalate Content.

For toys and childcare articles, combination of DBP to current limit (sum of DBP, DEHP and BBP) was quoted from Commission Regulation (EU) 2018/2005 effective from 7 July 2020.

For non-toys and non-childcare articles, the limit (sum of DBP, DEHP, BBP and DIBP) was quoted from Commission Regulation (EU) 2018/2005 effective from 7 July 2020.

ND = Not detected (less than reporting limit)

θ = Single result for each test component/group

Tested Component(s):

- (1) Red coating on plastic (pattern on frame connector and switch of play mat).
- (2) Black coating on plastic ("OFF", "ON" pattern of speaker case of frog of play mat).
- (3) Black coating on woven (sewn-in label of play mat and all dolls).
- (4) White coating on metal (frame of play mat).
- (5) Grass-green soft plastic (handle of ladybird toy).
- (6) Red plastic (body of ladybird toy).
- (7) Dull white plastic (frame connector of play mat).
- (8) Yellow-green plastic (frame of play mat).
- (9) Blue plastic (switch of frame connector of play mat).
- (10) Yellow plastic (hook of all dolls of play mat).
- (11) Pale blue plastic (hook of all dolls of play mat).
- (12) Light yellow-green plastic (YOOKIDOO ring of all dolls of play mat).
- (13) Red plastic (YOOKIDOO ring of all dolls of play mat).
- (14) Dark cyan plastic (big ring of wolf of play mat).
- (15) Light green plastic (small ring of wolf of play mat).
- (16) Bright red plastic (small ring of wolf of play mat).
- (17) Orange plastic (small ring of wolf and frog of play mat).
- (18) Light red plastic (small ring of frog of play mat).
- (19) Green plastic (small ring of frog of play mat).
- (20) Bright red plastic (speaker case of frog of play mat).
- (21) Blue plastic (pillar of frog of play mat).
- (22) Semi-transparent blue plastic Velcro hook (fastener of play mat).
- (23) Blue Velcro hook (fastener of play mat).
- (24) White felt with coffee printing (head of ladybird toy).
- (25) White felt with red printing (body of ladybird toy, tongue and holder for bowknot of frog).
- (26) Sky-blue printed woven (sky-blue series pattern of play mat, woven book, clothes of bear doll).
- (27) Orange printed woven (orange series pattern of play mat, woven book, head, hand and feet of bear doll).
- (28) White woven with printings (light green, grass-green) (pattern on binding and body, sider holder of play mat, frog).
- (29) Coffee printed woven (lower body, eyes, nose and pattern of body of bear doll).
- (30) Blue printed woven (blue series pattern and surface frame of play mat, woven book).
- (31) Red printed woven (red series pattern of play mat, wolf, bowknot of frog, woven book, frog, ear and pocket of bear doll).
- (32) Grass-green printed woven (grass-green series pattern of play mat, frog, woven book, frog pattern of bear doll).
- (33) Yellow printed woven (yellow series pattern, surface of frame of play mat, wolf and woven book).
- (34) Brown printed woven (coffee series pattern of play mat, woven book, wolf and frog).
- (35) White foam (handle of play mat).
- (36) Black plastic (joint of big ring of wolf).
- (37) White polyfoam (inner of frame of play mat).
- (38) Transparent plastic film (inner of woven book, bowknot of frog).
- (39) White plastic (holder for pillar of frog).
- (40) Snow white plastic (bell case of ladybird toy).
- (41) Semi-transparent plastic (bell of ladybird toy).



Test Report

Number: SZU009941
SZHH0141060001

Tests Conducted:

- (42) Transparent plastic (bead of ladybird toy).
- (43) Black adhesive foam (pad of speaker and battery cover of speaker case of frog).
- (44) Green plastic (speaker of speaker case of frog).
- (45) Transparent plastic (film of speaker of speaker case of frog).
- (46) Brown/green PCB with black glue (PCB of speaker of frog).
- (47) Black plastic (slider button of speaker case of frog).
- (48) Brown PCB (slider button of speaker case of frog).
- (49) Black plastic sheet with white printing (vibrant of speaker case of frog).
- (50) Deep blue plastic (base of capacitor of speaker case of frog).
- (51) Yellow plastic (wire covering of speaker case of frog).
- (52) Green/brown PCB (main PCB of speaker case of frog).
- (53) Plastic part (main PCB of speaker case of frog).
- (54) Transparent plastic sheet (washer of battery cover of speaker case of frog).
- (55) Transparent plastic sheet with backing (mirror of ladybird toy).
- (56) Snow white plastic (holder for frame of play mat).

7 Detection of Amines Derived from Azocolourants and Azodyes

By Gas Chromatographic - Mass Spectrometric (GC-MS) and High Performance Liquid Chromatographic (HPLC) Analysis.

Test Method : EN 14362-1 : 2012 for Textile Material
EN ISO 17234-1: 2010 for Leather Material
EN 14362-3 : 2012 & EN ISO 17234-2: 2011 for 4-Aminoazobenzene

	Test item	CAS No.	Result (mg/kg) θ
			Tested component
			(1),(2+3),(4+5+6),(7),(8+9+10),(11+12), (13),(14),(15+16),(17+18),(19)
1	4-Aminodiphenyl	92-67-1	ND
2	Benzidine	92-87-5	ND
3	4-Chloro-o-Toluidine	95-69-2	ND
4	2-Naphthylamine	91-59-8	ND
5	o-Aminoazotoluene	97-56-3	ND
6	2-Amino-4-Nitrotoluene	99-55-8	ND
7	p-Chloroaniline	106-47-8	ND
8	2,4-Diaminoanisole	615-05-4	ND
9	4,4'-Diaminodiphenylmethane	101-77-9	ND
10	3,3'-Dichlorobenzidine	91-94-1	ND
11	3,3'-Dimethoxybenzidine	119-90-4	ND
12	3,3'-Dimethylbenzidine	119-93-7	ND
13	3,3'-Dimethyl-4,4'diaminodiphenylmethane	838-88-0	ND
14	p-Cresidine	120-71-8	ND
15	4,4'-Methylene-Bis(2-Chloroaniline)	101-14-4	ND
16	4,4'-Oxydianiline	101-80-4	ND
17	4,4'-Thiodianiline	139-65-1	ND
18	o-Toluidine	95-53-4	ND
19	2,4-Toluylenediamine	95-80-7	ND
20	2,4,5-Trimethylaniline	137-17-7	ND
21	o-Anisidine	90-04-0	ND
22	4-Aminoazobenzene	60-09-3	ND

ND = Not detected (less than reporting limit)
Reporting limit = 5mg/kg
Requirement = 30mg/kg (Max.)
 θ = Single result for each test component/group



Test Report

Number: SZU009941
SZHH0141060001

Tests Conducted:

According to the official method EN 14362-1:2012 and EN ISO 17234-1:2010, if each amine is found < 30 mg/kg, azo colorants which can release the listed aromatic amines were not detected.

According to the official method EN 14362-3:2012 and EN ISO 17234-2:2011, if 4-aminoazobenzene is found < 30 mg/kg, azo colorants which can release 4-aminoazobenzene was not detected.



Test Report

Number: SZU009941
SZHH0141060001

Tests Conducted:

Tested component(s):

- (1) Blue Velcro hook (fastener of play mat).
- (2) White felt with coffee printing (head of ladybird toy).
- (3) White felt with red printing (body of ladybird toy, tongue and holder for bowknot of frog).
- (4) Sky-blue printed woven (sky-blue series pattern of play mat, woven book, clothes of bear doll).
- (5) Orange printed woven (orange series pattern of play mat, woven book, head, hand and feet of bear doll).
- (6) White woven with printings (light green, grass-green) (pattern on binding and body, sider holder of play mat, frog).
- (7) Coffee printed woven (lower body, eyes, nose and pattern of body of bear doll).
- (8) Blue printed woven (blue series pattern and surface frame of play mat, woven book).
- (9) Red printed woven (red series pattern of play mat, wolf, bowknot of frog, woven book, frog, ear and pocket of bear doll).
- (10) Grass-green printed woven (grass-green series pattern of play mat, frog, woven book, frog pattern of bear doll).
- (11) Yellow printed woven (yellow series pattern, surface of frame of play mat, wolf and woven book).
- (12) Brown printed woven (coffee series pattern of play mat, woven book, wolf and frog).
- (13) Brown woven with sky-blue/yellow thread stitching logo (woven logo of play mat and all dolls).
- (14) Blue non-woven (base of play mat).
- (15) Blue brushed knit (handle and hook of play mat).
- (16) Blue Velcro loop (fastener of play mat).
- (17) Blue webbing (fastener of play mat).
- (18) Blue looped plush (play mat).
- (19) White woven with black coating (sewn-in label of play mat and all dolls).

End of report

“The items were tested by Intertek Shenzhen, for and on behalf of ITS Testing Services (UK) Limited”

The statements of conformity reported have considered the decision rule agreed, namely that Intertek have taken account of measurement uncertainty as calculated by Intertek, and applied according to ILAC-G8/09:2019 (APPENDIX B – Example 2) except designation from the customer, regulation or test specification.

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