



中国认可  
国际互认  
检测  
TESTING  
CNAS L1744

## DONGGUAN JOLLYBABY PRODUCTS CO., LTD

**Technical Report:** (8822)158-0140  
Date Received: Jun 7, 2022

Jul 14, 2022  
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DONGGUAN JOLLYBABY PRODUCTS CO., LTD  
NO.5, CHAJING ROAD, CHASHAN TOWN, DONGGUAN  
CITY, GUANG DONG PROVINCE, CHINA

Sample Description:	SEE ATTACHMENT	Sample Size:	31
Vendor:	N/A	Style No(s):	SEE ATTACHMENT
Manufacturer:	N/A	SKN/SKU No.:	NOT PROVIDE
Labeled Age Grade:	0+	PO No.:	NOT PROVIDE
Appropriate Age Grade:	ALL AGES	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	Test Finished Date:	JUL 14, 2022
Test Starting Date:	JUN 7, 2022		

### EXECUTIVE SUMMARY:

Test Requested	Conclusion
Mechanical and physical properties requirements of the tested subclauses of the European Standard, "Safety of toys", EN71: Part 1:2014+A1:2018 clauses 1-7.	PASS
Flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2020.	PASS
Migration of Certain Elements in Category III - Scraped off toy material requirements of the European Standard, "Safety of toys", EN 71-3:2019+A1:2021.	PASS

To be continued

BUREAU VERITAS SHENZHEN CO.,LTD  
DONGGUAN BRANCH

BUREAU VERITAS SHENZHEN CO.,LTD  
DONGGUAN BRANCH



Rose Ge  
Supervisor, Toys Lab

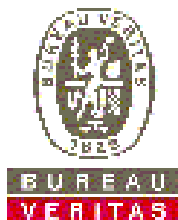
Hunter Lin  
Assistant Manager, Analytical Lab  
RT/Coco-qq Chen

### REMARK

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

Report Enquiry: (86) 0769 89952999 Ext. 8175 CPSAnalytical.DG@bureauveritas.com  
Business Contact: (86) 0769 85893595

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**EXECUTIVE SUMMARY:**

Test Requested	Conclusion
Mechanical and physical properties requirements of the tested subclauses of the British European Standard, "Safety of toys", BS EN71: Part 1:2014+A1:2018 clauses 1-7.	PASS
Labeling requirements of "UKCA Marking, Company name and UK address".	PASS
Flammability requirements of the British European Standard "Safety of Toys", BS EN 71: Part 2: 2020.	PASS
Migration of Certain Elements in Category III - Scraped off toy material requirements of the European Standard, "Safety of toys", BS EN 71-3:2019+A1:2021.	PASS

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

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

**ATTACHMENT:**

Sample Description:

MUSICAL CRIB SPIRAL-JUNGLE BIRD, MUSICAL CRIB SPIRAL-OWL, STROLLER TOY-RUNNING COW, STROLLER TOY-DILIGENT BEE, STROLLER TOY-HEDGEHOG DUDU, ELEPHANT CRIB SPIRAL TOY - GREY (MUSICAL), ELEPHANT CRIB SPIRAL TOY - PINK (MUSICAL), BELL WRIST - DONKEY, BELL SOCK - DONKEY, BELL WRIST - 005 DONKEY/BELL SOCK - 005 DONKEY, MULTIFUNCTIONAL HANGING TOY - FRUIT /MULTIFUNCTIONAL HANGING TOY - OCEAN , MUSICAL TOY - KOALA, MUSICAL TOY - AVOCADO, SOUND&LIGHT DOLL-LEARNING CATERPILLAR, LONG TAIL-FOX, STROLLER ARCH TOY-OWL, STROLLER ARCH TOY-TOUCAN, RATTLE WRIST&SOCK-SLOTH, TAKE ALONG PLAY SET-OCEAN, NEWBORN PLUSH TOY GIFT SET-KOALA, BABY TRAINING DUMBELL-COLOUR, CRIB SPIRAL-GREY CATERPILLAR, 2 IN 1 GOOD HABIT TRAINING DOLL, PLAY HOUSE-MY VEGETABLE BASKET, BABY'S FIRST BOOK, FEET CLOTH BOOK-INTERESTING BIRDS, DO IT TOGETHER-MANUAL BOOK, FEET CLOTH BOOK-LITTLE CUTE INSECTS, HALLOWEEN PARTY SET , CRIB MOBILE-JUNGLY BIRD, FOX CRIB SPIRAL-ORANGE, FOX CRIB SPIRAL-GREY, FOX CRIB SPIRAL-PINK.

Style No(s):

SZ2104128BYA, SZ2104129BYA, SZ2104123BNA, SZ2104124BNA, SZ2103079BNA, SZ2104097BYA, SZ2104111BYA, SZ2103041BNA, SZ2103042BNA, SZ2202008BNB, SZ2202009BNB, SZ2104094BNA, SZ2104098BNA, JB2103161BYA, JB2103154BYA, JB2011053BYA, JB2103237BNA, JB2103151BYA, JB2103152BYA, JB2103210BNA, JB2103173BNA, JB2103212BNA, JB2103291BNA, JB2103268BNA, JB2103134BNA, JB2103251BNA, JB2103301BNA, JB2203003BNA, JB2103288BNA, JB2201006BNA, JB2103244BNA, SZ2104132BYA, SZ2103038BYA, SZ2103040BYA, SZ2103039BYA



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**Tested Component(s) Description List:**

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Red fabric	Red baby book	-
I002	Multicolor fabric	Blue stripe cloth	-
I003	Multicolor fabric	Parrot baby book	-
I004	Pink fabric	Pink baby book	-
I005	Gray fabric	Gray pan	-
I006	Multicolor fabric	Cat baby book	-
I007	Red plastic	Gray cat	-
I008	Purple fabric	Baby rattle	-
I009	Green fabric	Green bird	-
I010	Green soft plastic	Green accessory	-
I011	Orange plastic	Orange accessory	-
I012	Light brown lint	Light brown baby toy	-
I013	Orange/off white stripe fabric	Orange stripe baby toy	-
I014	Yellow fabric	Yellow star	-
I015	Brown plastic	Brown accessory	-
I016	Multicolor fabric	Bee baby toy	-



**RESULTS:**

**APPROPRIATE AGE GRADE DETERMINATION**

<p>The Appropriate Age Grade is determined with reference to the EN71 : Part 1 : 2014+A1:2018,          CEN ISO/TR 8124-8:2016 Safety of toys - Part 8: Age determination guidelines prepared by Technical Committee          CEN/TC 52 and          Age Grade Determination Guidelines of the Consumer Product Safety Commission (CPSC).</p>	
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.

**EXPLANATION OF THE ABBREVIATIONS FOR PART 1, 2 & 6**

Symbol	Explanation				
NM	The sample(s) DOES NOT MEET the requirement of this Subclause				
M	The sample(s) MEET the requirement of this Subclause				
N/A	Not Applicable				
NR	Not Requested				
NE	Not Evaluated				
NP	None Present				
NT	Not Tested				
P	Present				
R	Refer to Comment Section of this report				
Symbol	Language Present	Symbol	Language Present	Symbol	Language Present
B	Belgian language	G	German language	PR	Portuguese language
D	Danish language	GR	Greek language	S	Spanish language
E	English language	H	Dutch language	SD	Swedish language
F	Finnish language	I	Italian language	SZ	Swiss language
FR	French language	N	Norwegian language		



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**RESULTS:**

**MECHANICAL & PHYSICAL PROPERTIES  
(EN 71: PART 1 – 2014+A1 – 2018)**

Subclause	Requirement	Result
4.1	Material cleanliness	M
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	M
4.8	Points and metallic wires	M
4.9	Protruding parts	M
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	NA
4.10.3	Hinges	NA
4.10.4	Springs	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12 & 7.3	Balloons	NA
4.13 & 7.9	Cord of toy kites and other flying toys	NA
4.14.1	Toys which a child can enter	NA
4.14.2 & 7.8	Masks and helmets	NA
4.15.1	Toys propelled by child	
4.15.1.2 & 7.10.1 & 7.10.2 & 7.10.3 & 7.10.4 & 7.16	Toys propelled by child – Instructions for use	NA
4.15.1.3	Toys propelled by child – Strength	NA
4.15.1.4	Toys propelled by child – Stability	NA
4.15.1.5	Toys propelled by child – Braking	NA
4.15.1.6	Toys propelled by child - Transmission	NA
4.15.1.7	Toys propelled by child – insertion mark	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	
4.15.2.2 & 7.15	Toy bicycles – Warnings and instructions for use	NA
4.15.2.3	Toy bicycles – Braking	NA
4.15.3 & 7.16 & 7.19	Rocking horses and similar toys	NA
4.15.4 & 7.16	Toys not propelled by child	NA
4.15.5 & 7.18	Toy scooters	NA



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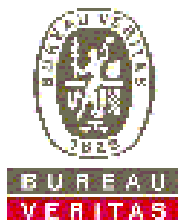
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**RESULTS:**

Subclause	Requirement	Result
4.16	Heavy immobile toys	NA
4.17.2	All projectiles	NA
4.17.3 & 7.7	Projectile toys with stored energy	NA
4.17.4 & 7.26	Certain projectile toys without stored energy	NA
4.18 & 7.4	Aquatic toys and inflatable toys	NA
4.19 & 7.13 & 7.14	Percussion caps	NA
4.20.2.1- 4.20.2.4, 4.20.2.6-4.20.2.12 & 7.14	Acoustics	M
*4.20.2.5	Acoustics– Toys using headphones or earphones	NA
4.21	Toys containing a non-electrical heat source	NA
4.22 & 7.2	Small balls	NA
4.23	Magnet	
4.23.2 a, b & c	Toy other than magnetic / electrical experimental sets intended for children over 8 years	NA
4.23.3 & 7.20	Magnetic / electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo ball	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27.1	Flying toys – General	NA
4.27.2 & 7.25.1	Rotors and propellers on flying toys	NA
4.27.3 & 7.25.2	Rotors and propellers on remote controlled flying toys	NA
<b>FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS</b>		
5.1	General	NA
5.1a	Small parts – as received	M*
5.1b	Small parts, sharp points, sharp edges – after tests	M
5.1c	Cross section <2mm metal points & wires	NA
5.1e	Toys contain glue	NA
5.1f	Casing of toys	M
5.2	Fillings, coverings and seams	M
5.3	Adhesion of plastic sheeting	NA
5.4.2	Cords and chains in toys intended for children under 18 months	M*



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**RESULTS:**

Subclause	Requirement	Result
5.4.3 & 7.22	Cords and chains in toys intended for children of 18 months or over but under 36 months	NA
5.4.4	Fixed loops, tangled loops and nooses	M
5.4.5	Cords and chains on pull along toys	NA
5.4.6 & 7.21	Electrical cables	NA
5.4.7	Cross-sectional dimension of certain cords	M
5.4.8	Self-retracting cords	M
5.4.9	Toys attached to or intended to be strung across a cradle, cot or perambulator	NA
5.5 & 7.12	Liquid filled toys	NA
5.6	Electrically driven toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size	M
5.9 & 7.17	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 & 7.24	Sledges with cords for pulling	NA
6	Packaging	M
<b>WARNINGS, INSTRUCTIONS FOR USE</b>		
7.1	General	M
7.2	Toys not intended for children under 36 months	NA
7.5	Functional toys	NA

**2009/48/EC General Labeling Requirement**

Requirement	Result
CE Mark	M
Manufacturer/ Importer name and address	M
Product Identification	NA

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

- \* The test results are determined by the sample submitted by the client on 2022-07-08.

- The above result was performed at a Bureau Veritas CPS approved subcontract lab.



**RESULTS:**

**REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 1**

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.3	8.25.1	4.15.1.5	8.26.1	4.22	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32	5.4.5	8.40
4.5	8.5, 8.7, 8.11, 8.12	4.15.1.8	8.29	4.23	8.2, 8.3, 8.4.2.1, 8.4.2.2, 8.5, 8.6, 8.7, 8.8, 8.34, 8.35	5.4.6	8.40
4.6	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14	4.15.2.4	8.26.2	4.24	8.37	5.4.7	8.20
4.7	8.11	4.15.3	8.21, 8.23.1	4.25	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32.1	5.7.8	8.39
4.8	8.12, 8.13	4.15.4	8.21, 8.23.1	4.26	8.38	5.5	8.15
4.9	8.4.2.3, 8.11, 8.12	4.15.5	8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27	4.27.1	8.43	5.6	8.29
4.10.1	8.18.2, 8.18.3	4.16	8.23.2	4.27.2	8.4.2.6	5.8	8.16
4.10.2	8.5, 8.6, 8.7, 8.11, 8.12	4.17.1	8.3, 8.4.2.1, 8.7, 8.8, 8.42	4.27.3	8.4.2.6	5.10	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32
4.11	8.2, 8.3, 8.4.2.1, 8.9, 8.17	4.17.2	8.3, 8.4.2.4, 8.7, 8.8, 8.32.1, 8.43, 8.44	5.1	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12	5.11	8.33
4.13	8.19	4.17.3	8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42	5.3	8.4.2.1, 8.25	5.12	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9,
4.14.1	8.31.1, 8.31.2	4.17.4	8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42	5.4.1	8.40	5.13	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32
4.14.2	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12	4.18	8.2, 8.3, 8.4.2.1	5.4.2	8.38, 8.40, 8.41	5.14	8.38
4.15.1.3	8.11, 8.12, 8.21, 8.22	4.20	8.28	5.4.3	8.38, 8.40, 8.41	6	8.3, 8.4.2.1, 8.25.1, 8.32.1
4.15.1.4	8.23.1	4.21	8.30	5.4.4	8.36, 8.38		





**RESULTS:**

**FLAMMABILITY (EN 71 PART 2: 2020)**

Subclause	Requirement	Result
4.1	Cellulose nitrate	NP
4.1	Highly flammable solids	NP
4.1	Surface flash on a piled surface	NA
*4.1	Flammable gases	NA
*4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	NA
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by child in play	NA
4.3	warning on product and packaging (10 - 30 mm/s)	NA
4.4	Toys intended to be entered by child	NA
4.4	warning on product and packaging (10 - 30 mm/s)	NA
4.5	Soft-filled toys	NP

**REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 2**

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.2.2	5.2	4.2.4	5.3	4.3	5.4	4.5	5.5
4.2.3	5.3	4.2.5	5.4	4.4	5.4	-	-

\* Note: Subclause indicated with \* are not accredited.

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

**Soft-filled Toys (EN 71-2: 2020, clause 4.5)**

No.	Sample	Burning Rate (mm/sec)	Result
1	Crib mobile	0	Pass
2	Rattle	0	Pass
3	Cloth book	0	Pass
4	Doll	0	Pass

Requirement:  
The rate of spread of flame on the surface of toy shall be not greater than 30 mm/sec or the toy shall self-extinguish

\*\* SE = Self-Extinguishing / DNI = Did Not Ignite / SEW = Extinguished within 50mm of flame application  
The above result was performed at a Bureau Veritas CPS approved subcontract lab.



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**RESULTS:**

**EN71-3:2019+A1:2021 Migration of Certain Elements - European Parliament and Council Directive 2009/48/EC, Annex II, Part III, Point 13 with its Latest Amendment (EU) 2019/1922.**

Test Method: European Standard EN 71 Part 3: 2019+A1:2021, Section 9.

Class: Category III - Scraped off toy material

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
	Category III	I001	I002	I003	I004	I005	I006
Aluminium (Al)	28130	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	5	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	11	ND	ND	21
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46000	50	ND	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS



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**RESULTS:**

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
	Category III	I007	I008	I009	I010	I011	I012
Aluminium (Al)	28130	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND	2.87	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	6	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	12
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS



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**RESULTS:**

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I013	I014	I015	I016
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	7	ND	ND	5
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS

mg/kg = milligrams per kilogram (ppm=parts per million)

LT=Less Than

Organic tin = migration of total organic tin is expressed as tributyltin cation content in mg/kg

# = Verified results (see note)

ND = Not detected

**Remark:**

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.
- The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.
- As per client's request, test conducted on specified material.
- The above result was performed at a Bureau Veritas CPS approved subcontract lab.

**Note:**

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: EN 71-3:2019+A1:2021, Annex F by Ion-chromatography with ICP-MS detector analysis.
- Organic tin: EN 71-3:2019+A1:2021, Annex G by Gas Chromatography-Mass Spectroscopy analysis.



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**RESULTS:**

**APPROPRIATE AGE GRADE DETERMINATION**

<p>The Appropriate Age Grade is determined with reference to the BS EN71 : Part 1 : 2014+A1:2018, CEN ISO/TR 8124-8:2016 Safety of toys - Part 8: Age determination guidelines prepared by Technical Committee CEN/TC 52 and Age Grade Determination Guidelines of the Consumer Product Safety Commission (CPSC).</p>	
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.

**EXPLANATION OF THE ABBREVIATIONS FOR PART 1, 2 & 6**

Symbol	Explanation				
NM	The sample(s) DOES NOT MEET the requirement of this Subclause				
M	The sample(s) MEET the requirement of this Subclause				
N/A	Not Applicable				
NR	Not Requested				
NE	Not Evaluated				
NP	None Present				
NT	Not Tested				
P	Present				
R	Refer to Comment Section of this report				
Symbol	Language Present	Symbol	Language Present	Symbol	Language Present
B	Belgian language	G	German language	PR	Portuguese language
D	Danish language	GR	Greek language	S	Spanish language
E	English language	H	Dutch language	SD	Swedish language
F	Finnish language	I	Italian language	SZ	Swiss language
FR	French language	N	Norwegian language		



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**RESULTS:**

**MECHANICAL & PHYSICAL PROPERTIES  
(BS EN 71: PART 1 : 2014+A1 : 2018)**

Subclause	Requirement	Result
4.1	Material cleanliness	M
4.2	Assembly	NA
4.3	Flexible plastic sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	M
4.8	Points and metallic wires	M
4.9	Protruding parts	M
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	NA
4.10.3	Hinges	NA
4.10.4	Springs	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12 & 7.3	Balloons	NA
4.13 & 7.9	Cord of toy kites and other flying toys	NA
4.14.1	Toys which a child can enter	NA
4.14.2 & 7.8	Masks and helmets	NA
4.15.1	Toys propelled by child	
4.15.1.2 & 7.10.1 & 7.10.2 & 7.10.3 & 7.10.4 & 7.16	Toys propelled by child – Instructions for use	NA
4.15.1.3	Toys propelled by child – Strength	NA
4.15.1.4	Toys propelled by child – Stability	NA
4.15.1.5	Toys propelled by child – Braking	NA
4.15.1.6	Toys propelled by child - Transmission	NA
4.15.1.7	Toys propelled by child – insertion mark	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	
4.15.2.2 & 7.15	Toy bicycles – Warnings and instructions for use	NA
4.15.2.3	Toy bicycles – Braking	NA
4.15.3 & 7.16 & 7.19	Rocking horses and similar toys	NA
4.15.4 & 7.16	Toys not propelled by child	NA
4.15.5 & 7.18	Toy scooters	NA



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**RESULTS:**

Subclause	Requirement	Result
4.16	Heavy immobile toys	NA
4.17.2	All projectiles	NA
4.17.3 & 7.7	Projectile toys with stored energy	NA
4.17.4 & 7.26	Certain projectile toys without stored energy	NA
4.18 & 7.4	Aquatic toys and inflatable toys	NA
4.19 & 7.13 & 7.14	Percussion caps	NA
4.20.2.1- 4.20.2.4, 4.20.2.6-4.20.2.12 & 7.14	Acoustics	M
*4.20.2.5	Acoustics– Toys using headphones or earphones	NA
4.21	Toys containing a non-electrical heat source	NA
4.22 & 7.2	Small balls	NA
4.23	Magnet	
4.23.2 a, b & c	Toy other than magnetic / electrical experimental sets intended for children over 8 years	NA
4.23.3 & 7.20	Magnetic / electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo ball	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27.1	Flying toys – General	NA
4.27.2 & 7.25.1	Rotors and propellers on flying toys	NA
4.27.3 & 7.25.2	Rotors and propellers on remote controlled flying toys	NA
<b>FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS</b>		
5.1	General	NA
5.1a	Small parts – as received	M*
5.1b	Small parts, sharp points, sharp edges – after tests	M
5.1c	Cross section <2mm metal points & wires	NA
5.1e	Toys contain glue	NA
5.1f	Casing of toys	M
5.2	Fillings, coverings and seams	M
5.3	Adhesion of plastic sheeting	NA
5.4.2	Cords and chains in toys intended for children under 18 months	M*



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**RESULTS:**

Subclause	Requirement	Result
5.4.3 & 7.22	Cords and chains in toys intended for children of 18 months or over but under 36 months	NA
5.4.4	Fixed loops, tangled loops and nooses	M
5.4.5	Cords and chains on pull along toys	NA
5.4.6 & 7.21	Electrical cables	NA
5.4.7	Cross-sectional dimension of certain cords	M
5.4.8	Self-retracting cords	M
5.4.9	Toys attached to or intended to be strung across a cradle, cot or perambulator	NA
5.5 & 7.12	Liquid filled toys	NA
5.6	Electrically driven toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size	M
5.9 & 7.17	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 & 7.24	Sledges with cords for pulling	NA
6	Packaging	M
<b>WARNINGS, INSTRUCTIONS FOR USE</b>		
7.1	General	M
7.2	Toys not intended for children under 36 months	NA
7.5	Functional toys	NA

**UKCA Marking and Company name and UK address Labeling**

Requirement	Result
UKCA Marking	M
Company name and UK address	M

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

- \* The test results are determined by the sample submitted by the client on 2022-07-08.
- The above result was performed at a Bureau Veritas CPS approved subcontract lab.





**RESULTS:**

**REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 1**

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.3	8.25.1	4.15.1.5	8.26.1	4.22	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32	5.4.5	8.40
4.5	8.5, 8.7, 8.11, 8.12	4.15.1.8	8.29	4.23	8.2, 8.3, 8.4.2.1, 8.4.2.2, 8.5, 8.6, 8.7, 8.8, 8.34, 8.35	5.4.6	8.40
4.6	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14	4.15.2.4	8.26.2	4.24	8.37	5.4.7	8.20
4.7	8.11	4.15.3	8.21, 8.23.1	4.25	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32.1	5.7.8	8.39
4.8	8.12, 8.13	4.15.4	8.21, 8.23.1	4.26	8.38	5.5	8.15
4.9	8.4.2.3, 8.11, 8.12	4.15.5	8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27	4.27.1	8.43	5.6	8.29
4.10.1	8.18.2, 8.18.3	4.16	8.23.2	4.27.2	8.4.2.6	5.8	8.16
4.10.2	8.5, 8.6, 8.7, 8.11, 8.12	4.17.1	8.3, 8.4.2.1, 8.7, 8.8, 8.42	4.27.3	8.4.2.6	5.10	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32
4.11	8.2, 8.3, 8.4.2.1, 8.9, 8.17	4.17.2	8.3, 8.4.2.4, 8.7, 8.8, 8.32.1, 8.43, 8.44	5.1	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12	5.11	8.33
4.13	8.19	4.17.3	8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42	5.3	8.4.2.1, 8.25	5.12	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9,
4.14.1	8.31.1, 8.31.2	4.17.4	8.3, 8.4.2.3, 8.4.2.5, 8.11, 8.12, 8.24, 8.42	5.4.1	8.40	5.13	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32
4.14.2	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12	4.18	8.2, 8.3, 8.4.2.1	5.4.2	8.38, 8.40, 8.41	5.14	8.38
4.15.1.3	8.11, 8.12, 8.21, 8.22	4.20	8.28	5.4.3	8.38, 8.40, 8.41	6	8.3, 8.4.2.1, 8.25.1, 8.32.1
4.15.1.4	8.23.1	4.21	8.30	5.4.4	8.36, 8.38		



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**RESULTS:**

**FLAMMABILITY (BS EN 71 PART 2: 2020)**

Subclause	Requirement	Result
4.1	Cellulose nitrate	NP
4.1	Highly flammable solids	NP
4.1	Surface flash on a piled surface	NA
*4.1	Flammable gases	NA
*4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	NA
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by child in play	NA
4.3	warning on product and packaging (10 - 30 mm/s)	NA
4.4	Toys intended to be entered by child	NA
4.4	warning on product and packaging (10 – 30 mm/s)	NA
4.5	Soft-filled toys	NP

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 2

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.2.2	5.2	4.2.4	5.3	4.3	5.4	4.5	5.5
4.2.3	5.3	4.2.5	5.4	4.4	5.4	-	-

\* Note: Subclause indicated with \* are not accredited.

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

Soft-filled Toys (EN 71-2: 2020, clause 4.5)

No.	Sample	Burning Rate (mm/sec)	Result
1	Crib mobile	0	Pass
2	Rattle	0	Pass
3	Cloth book	0	Pass
4	Doll	0	Pass

Requirement:  
 The rate of spread of flame on the surface of toy shall be not greater than 30 mm/sec or the toy shall self-extinguish

\*\* SE = Self-Extinguishing / DNI = Did Not Ignite / SEW = Extinguished within 50mm of flame application  
 The above result was performed at a Bureau Veritas CPS approved subcontract lab.



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**RESULTS:**

**Migration of Certain Elements, BS EN 71-3:2019+A1:2021**

Test Method: European Standard BS EN 71-3:2019+A1:2021 Section 8.

Class: Category III - Scraped off toy material

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
	Category III	I001	I002	I003	I004	I005	I006
Aluminium (Al)	28130	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	5	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	11	ND	ND	21
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46000	50	ND	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS



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**RESULTS:**

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
	Category III	I007	I008	I009	I010	I011	I012
Aluminium (Al)	28130	ND	ND	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND	2.87	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND	6	ND
Lead (Pb)	23	ND	ND	ND	ND	ND	ND
Antimony (Sb)	560	ND	ND	ND	ND	ND	12
Selenium (Se)	460	ND	ND	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-	-	-
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS



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**RESULTS:**

Analyte	Requirement (mg/kg)	Result (mg/kg)			
		Test Item(s)			
	Category III	I013	I014	I015	I016
Aluminium (Al)	28130	ND	ND	ND	ND
Arsenic (As)	47	ND	ND	ND	ND
Boron (B)	15000	ND	ND	ND	ND
Barium (Ba)	18750	ND	ND	ND	ND
Cadmium (Cd)	17	ND	ND	ND	ND
Cobalt (Co)	130	ND	ND	ND	ND
Chromium III (Cr III)	460	ND	ND	ND	ND
Chromium VI (Cr VI)	0.053	ND	ND	ND	ND
Copper (Cu)	7700	ND	ND	ND	ND
Mercury (Hg)	94	ND	ND	ND	ND
Manganese (Mn)	15000	ND	ND	ND	ND
Nickel (Ni)	930	ND	ND	ND	ND
Lead (Pb)	23	ND	ND	ND	ND
Antimony (Sb)	560	7	ND	ND	5
Selenium (Se)	460	ND	ND	ND	ND
Tin (Sn)	180000	ND	ND	ND	ND
Organic tin	12	ND	ND	ND	ND
Strontium (Sr)	56000	ND	ND	ND	ND
Zinc (Zn)	46000	ND	ND	ND	ND
Mass of trace amount (gram)		-	-	-	-
Conclusion		PASS	PASS	PASS	PASS



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## **RESULTS:**

mg/kg = milligrams per kilogram (ppm=parts per million)

Organic tin = migration of total organic tin is expressed as tributyltin cation content in mg/kg

# = Verified results (see note)

ND = Not detected

Detection Limit ( mg/kg ) :

Category III - Al : 2 ; Sb : 2 ; As : 2 ; Ba : 2 ; B : 2 ; Cd : 2 ; Cr III : 0.15 ; Cr VI : 0.025 ; Co : 2 ; Cu : 2 ; Pb : 2 ; Mn : 2 ;

Hg : 2 ; Ni : 2 ; Se : 2 ; Sr : 2 ; Sn : 2 ; Organic tin : 2 ; Zn : 2

As per client's request, test conducted on specified material.

### Remark:

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.
- The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.
- The above result was performed at a Bureau Veritas CPS approved subcontract lab.

### Note:

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: BS EN 71-3:2019+A1:2021, Annex F by Ion-chromatography with ICP-MS detector analysis.
- Organic tin: BS EN 71-3:2019+A1:2021, Annex G by Gas Chromatography-Mass Spectroscopy analysis.

**RESULTS:**



**RESULTS:**





**RESULTS:**



**RESULTS:**



**RESULTS:**





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**RESULTS:**



END OF REPORT