

## Test Report

Report No.: GNBC22030713-01EN

Date: Mar. 17, 2022

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The following information was/were submitted and identified by/on behalf of the client:

Applicant : Shangrao ActEarlier Co., Ltd.  
Address : No. 307 Xuribei Road, Shangrao, Jiangxi Province, China  
Sample Name : playground ball  
Supplier : Shangrao ActEarlier Co., Ltd.  
Buyer : LUCKY MAX INTERNATIONAL INDUSTRIAL LIMITED  
Country of Origin : China  
Exported to : Europe  
Sample Receive Date : Mar. 10, 2022  
Sample Testing Period : Mar. 10, 2022 - Mar. 16, 2022  
Test Result Summary:

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

TEST ITEM(S)	TEST REQUESTED	CONCLUSION(S)
Mechanical and physical properties	Safety of toys - Part 1: EN 71-1:2014+A1:2018 (Excluding packaging and labeling information)	PASS
Flammability	Safety of toys - Part 2: EN 71-2:2020	PASS
Migration of certain elements	Safety of toys - Part 3: EN 71-3:2019+A1:2021	PASS

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Authorized signature:



Lab Manager: Gavin Zhou



Mar. 17, 2022

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**Test Result(s):****1. Mechanical and physical properties****Test Method:** EN 71-1:2014+A1:2018

Labelled age grading : Not stated  
Applicant's specified : All ages  
age group for testing  
Age grading for testing : All ages

Clause	Test Item	Assessment
<b>4.</b>	<b>General Requirements</b>	
4.1	Material cleanliness (by visual assessment)	PASS
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	NA
4.8	Points and metallic wires	PASS
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
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	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.14.1	Toys which a child can enter	NA
4.14.2	Masks and helmets	NA
4.15	Toys intended to bear the mass of a child	NA
4.15.1	Toys propelled by a child or by other means	NA
4.15.2	Toy bicycles	NA
4.15.3	Rocking horses and similar toys	NA
4.15.4	Toys not propelled by a child	NA
4.15.5	Toy scooters	NA

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Clause	Test Item	Assessment
4.16	Heavy immobile toys	NA
4.17	Projectile toys	NA
4.17.2	All projectiles	NA
4.17.3	Projectile toys with stored energy	NA
4.17.4	Certain projectile toys without stored energy	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	NA
4.20.2.2	Close-to-the-ear toys	NA
4.20.2.3	Table-top or floor toys	NA
4.20.2.4	Hand-held toys	NA
4.20.2.5	Toys using headphones or earphones	NA
4.20.2.6	Rattles	NA
4.20.2.7	Squeeze toys	NA
4.20.2.8	Pull-along or push toys	NA
4.20.2.9	Percussion toys	NA
4.20.2.10	Wind toys	NA
4.20.2.11	Cap-firing toys	NA
4.20.2.12	Voice toys	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.23.2	Toys other than magnetic/electrical experimental sets intended for children over 8 years	NA
4.23.3	Magnetic/electrical experimental sets intended for children over 8 years	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
4.27.2	Rotors and propellers on flying toys	NA
4.27.3	Rotors and propellers on remote controlled flying toys	NA
<b>5.</b>	<b>Toys intended for children under 36 months</b>	
5.1	General requirements	PASS
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.4.2	Cords and chains in toys intended for children under 18 months	NA

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Clause	Test Item	Assessment
5.4.3	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	NA
5.4.5	Cords and chains on pull along toys	NA
5.4.6	Electrical cables	NA
5.4.7	Cross-sectional dimension of certain cords	NA
5.4.8	Self-retracting cords	NA
5.4.9	Toys attached to or intended to be strung across a cradle, cot or perambulator	NA
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	NA
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
<b>6</b>	<b>Packaging</b>	NA
<b>7</b>	<b>Warnings, markings and instructions for use</b>	
7.1	General	PASS
7.2	Toys not intended for children under 36 months	NA
7.3	Latex balloons	NA
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, 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

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Clause	Test Item	Assessment
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

Labeling requirement (Washing/Cleaning instruction, CE mark, importer / manufacturer name and address, product identification) according to the Directive 2009/48/EC - Safety of toys

Summary table:

Items	Observation Result(s)	Location
Washing/Cleaning instruction	NA	/
CE mark	Absent	/
Importer's Name & Address	Absent	/
Manufacturer's Name & Address	Absent	/
Product ID	Absent	/

- Note:**
1. NA = Not Applicable.
  2. The attention of the applicant was drawn to the need for the item to be labeled with the name and/or trade name and/or mark and address of the manufacturer or his authorized representative or the importer on its packaging together with a CE mark as specified in 2009/48/EC directive. If this information was not fixed to the toy itself, it should be accompanied by a notice in advising the purchaser to retain it.

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## 2. Flammability

Test Method: EN 71-2:2020

<u>Clause</u>	<u>Test Item</u>	<u>Assessment</u>
<b>4</b>	<b>Requirements</b>	
4.1	General requirements	PASS
4.2	Toys to be worn on the head	NA
4.2.2	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude 50mm or more from the surface of the toy	NA
4.2.3	Beards, moustaches, wigs, etc., made from pile or flowing elements which protrude less than 50mm from the surface of the toy	NA
4.2.4	Full or partial moulded head masks	NA
4.2.5	Toys to be worn on the head (except those covered by 4.2.2 and 4.2.3), hoods, headdresses including upward protruding items and masks not covered by 4.2.4 which partially or fully cover the head (e.g. fabric and paperboard masks, eye masks, face masks), but excluding those covered by 4.3	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	NA
4.5	Soft-filled toys	NA

**Note:** 1. NA = Not Applicable.

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## Test Sample Description:

Material No.	Material Description
<u>01</u>	Blue plastic ball scarfskin with black printing
<u>02</u>	Green plastic ball scarfskin with black printing
<u>03</u>	Red plastic ball scarfskin with black printing
<u>04</u>	Yellow plastic ball scarfskin with black printing
<u>05</u>	Rose red plastic ball scarfskin with black printing
<u>06</u>	Purple plastic ball scarfskin with black printing
<u>07</u>	Orange plastic ball scarfskin with black printing
<u>08</u>	Transparent plastic (air cock)
<u>09</u>	Beige rubber (air cock)

### 3. Migration of certain elements

Test Method: EN 71-3:2019+A1:2021

For Category III: Scraped-off toy material

Test item(s)	Limit	Unit	RL	Result(s)		
				<u>01</u>	<u>02</u>	<u>03</u>
Soluble Aluminum (Al)	28130	mg/kg	200	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	560	mg/kg	10	N.D.	N.D.	N.D.
Soluble Arsenic (As)	47	mg/kg	10	N.D.	N.D.	N.D.
Soluble Barium (Ba)	18750	mg/kg	50	N.D.	N.D.	N.D.
Soluble Boron (B)	15000	mg/kg	50	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	17	mg/kg	10	N.D.	N.D.	N.D.
Soluble Chromium (III)	460	mg/kg	5	N.D.	N.D.	N.D.
Soluble Chromium (VI)	0.053	mg/kg	0.053	N.D.	N.D.	N.D.
Soluble Cobalt (Co)	130	mg/kg	10	N.D.	N.D.	N.D.
Soluble Copper (Cu)	7700	mg/kg	50	N.D.	N.D.	N.D.
Soluble Lead (Pb)	23	mg/kg	10	N.D.	N.D.	N.D.
Soluble Manganese (Mn)	15000	mg/kg	50	N.D.	N.D.	N.D.
Soluble Mercury (Hg)	94	mg/kg	10	N.D.	N.D.	N.D.
Soluble Nickel (Ni)	930	mg/kg	10	N.D.	N.D.	N.D.
Soluble Selenium (Se)	460	mg/kg	10	N.D.	N.D.	N.D.
Soluble Strontium (Sr)	56000	mg/kg	50	N.D.	N.D.	N.D.
Soluble Tin (Sn)	180000	mg/kg	50	N.D.	N.D.	N.D.
Soluble Organic Tin	12	mg/kg	5	N.D.	N.D.	N.D.
Soluble Zinc (Zn)	46000	mg/kg	200	N.D.	N.D.	N.D.
<b>Conclusion(s)</b>				PASS	PASS	PASS

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Test item(s)	Limit	Unit	RL	Result(s)		
				04	05	06
Soluble Aluminum (Al)	28130	mg/kg	200	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	560	mg/kg	10	N.D.	N.D.	N.D.
Soluble Arsenic (As)	47	mg/kg	10	N.D.	N.D.	N.D.
Soluble Barium (Ba)	18750	mg/kg	50	N.D.	N.D.	N.D.
Soluble Boron (B)	15000	mg/kg	50	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	17	mg/kg	10	N.D.	N.D.	N.D.
Soluble Chromium (III)	460	mg/kg	5	N.D.	N.D.	N.D.
Soluble Chromium (VI)	0.053	mg/kg	0.053	N.D.	N.D.	N.D.
Soluble Cobalt (Co)	130	mg/kg	10	N.D.	N.D.	N.D.
Soluble Copper (Cu)	7700	mg/kg	50	N.D.	N.D.	N.D.
Soluble Lead (Pb)	23	mg/kg	10	N.D.	N.D.	N.D.
Soluble Manganese (Mn)	15000	mg/kg	50	N.D.	N.D.	N.D.
Soluble Mercury (Hg)	94	mg/kg	10	N.D.	N.D.	N.D.
Soluble Nickel (Ni)	930	mg/kg	10	N.D.	N.D.	N.D.
Soluble Selenium (Se)	460	mg/kg	10	N.D.	N.D.	N.D.
Soluble Strontium (Sr)	56000	mg/kg	50	N.D.	N.D.	N.D.
Soluble Tin (Sn)	180000	mg/kg	50	N.D.	N.D.	N.D.
Soluble Organic Tin	12	mg/kg	5	N.D.	N.D.	N.D.
Soluble Zinc (Zn)	46000	mg/kg	200	N.D.	N.D.	N.D.
<b>Conclusion(s)</b>				PASS	PASS	PASS

Test item(s)	Limit	Unit	RL	Result(s)		
				07	08	09
Soluble Aluminum (Al)	28130	mg/kg	200	N.D.	N.D.	N.D.
Soluble Antimony (Sb)	560	mg/kg	10	N.D.	N.D.	N.D.
Soluble Arsenic (As)	47	mg/kg	10	N.D.	N.D.	N.D.
Soluble Barium (Ba)	18750	mg/kg	50	N.D.	N.D.	N.D.
Soluble Boron (B)	15000	mg/kg	50	N.D.	N.D.	N.D.
Soluble Cadmium (Cd)	17	mg/kg	10	N.D.	N.D.	N.D.
Soluble Chromium (III)	460	mg/kg	5	N.D.	N.D.	N.D.
Soluble Chromium (VI)	0.053	mg/kg	0.053	N.D.	N.D.	N.D.
Soluble Cobalt (Co)	130	mg/kg	10	N.D.	N.D.	N.D.
Soluble Copper (Cu)	7700	mg/kg	50	N.D.	N.D.	N.D.
Soluble Lead (Pb)	23	mg/kg	10	N.D.	N.D.	N.D.
Soluble Manganese (Mn)	15000	mg/kg	50	N.D.	N.D.	N.D.
Soluble Mercury (Hg)	94	mg/kg	10	N.D.	N.D.	N.D.
Soluble Nickel (Ni)	930	mg/kg	10	N.D.	N.D.	N.D.
Soluble Selenium (Se)	460	mg/kg	10	N.D.	N.D.	N.D.

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<u>Test item(s)</u>	<u>Limit</u>	<u>Unit</u>	<u>RL</u>	<u>Result(s)</u>		
				<u>07</u>	<u>08</u>	<u>09</u>
Soluble Strontium (Sr)	56000	mg/kg	50	N.D.	N.D.	N.D.
Soluble Tin (Sn)	180000	mg/kg	50	N.D.	N.D.	N.D.
Soluble Organic Tin	12	mg/kg	5	N.D.	N.D.	N.D.
Soluble Zinc (Zn)	46000	mg/kg	200	N.D.	N.D.	N.D.
<b><u>Conclusion(s)</u></b>				PASS	PASS	PASS

- Note:**
1. 1000mg/kg = 0.1%;
  2. RL = Report Limit;
  3. N.D. = Not Detected (<RL).



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