



# Test Report

Report No.: WUX202302270516EN

Date: March 03, 2023

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**Report No.:** WUX202302270516EN  
**Applicant:** Rooly  
**Address:** Bos en Lommerplein 167G 1055AD, Amsterdam The Netherlands  
**Manufacturer:** Yunhe YONGXING CRAFT TOYS Co. LTD  
**Address:** 68 Zhongshan West Road, Yunhe County, Lishui City, Zhejiang Province, China  
**Sample name:** Flat block  
**Model:** Flat block  
**Trade Mark:** Nature wooden toys  
**Sample Quantity:** 1PCS  
**Requested Age Grading:** Over 3 years old  
**Age Group Applied in Testing:** Over 3 years old  
**Testing Period:** February 27, 2023 to March 03, 2023  
**Test requested:** March 03, 2023



The samples are IN COMPLIANCE WITH the following requirement(s) requested by the client:

	Result
- EN71-1: 2014+A1: 2018-Mechanical and Physical Properties	Pass
- EN 71-2: 2020-Flammability of Toys	Pass
- EN71-3: 2019+A1: 2021-Migration of Certain Elements	Pass

\*\*\*\*\*FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S)\*\*\*\*\*

Tested by: Candy Zheng

Approved by: [Signature]



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## **\*\*Modified History\*\***

Revision	Description	Issued Data	Remark
Revision 1.0	Initial Test Report Release	2023/03/03	Candy Zheng



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Results:

European Standard on Safety of Toys

**-Mechanical and Physical Properties**

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS EN71-1: 2014+A1: 2018

Clause	Description	Result
4	General requirements	Pass
4.1	Material cleanliness	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	Pass
4.8	Points and metallic wires	NA
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
4.15	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	NA
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	Toys disguise costumes	NA
4.27	Flying toys	NA

Add: Building B, Xinbaosheng, No.233, Xixiang Street, Bao'an District, Shenzhen, China.

Web: [www.szcttlab.com](http://www.szcttlab.com) Tel: 86-755-23592524 E-mail: [ctt@szcttlab.com](mailto:ctt@szcttlab.com)



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5	Toy intended for children under 36 months	NA
5.1	General requirements	NA
5.1a	Small part requirement on toy & removable Components(Test method 8.2)	NA
5.1b	Torque test (Test method 8.3)	NA
	Tension test (Test method 8.4)	NA
	Drop test (Test method 8.5)	NA
	Tip over test (Test method 8.6)	NA
	Impact test (Test method 8.7)	NA
	Compression test (Test method 8.8)	NA
	Sharp edge (Test method 8.11)	NA
	Sharp point (Test method 8.12)	NA
	Tension test for magnet (Test method 8.34)	NA
5.1c	Potential hazardous metal points and wires with a cross section of 2mm or less	NA
5.1d	Large and bulky toys	NA
5.1e	Glued wooden toys and toys with glued on plastic decals plastic decals	NA
5.1f	The casing of toys intended for children too young to sit up unaided	NA
5.1g	Foam toys and toys containing accessible foam components	NA
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
5.5	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
6	Packaging	NA
7	Warnings, markings and instructions for use	Pass
7.1	General Requirements	Pass
7.2	Toys not intended for children under 36 months	Pass



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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
7.7.1	Toys with projectiles which are able to discharge an object other than that provide with the toy	NA
7.7.2	Toys capable of discharging a projectile with a kinetic energy greater than 0.08J	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
7.10.1	Roller skates, inline skates and skateboards	NA
7.10.2	Ride-on toys without a braking device	NA
7.10.3	Electrically-driven ride-on toys	NA
7.10.4	Instructions for use	NA
7.11	Toys otherwise intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethers	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
7.25.1	Flying toys	NA
7.25.2	Remote controlled flying toys	NA
7.26	Improvised projectiles	NA



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## - Flammability of Toys

AS SPECIFIED IN EUROPEAN STANDARD ON SAFETY OF TOYS FOR EN 71-2: 2020

Clause	Description	Result
4	Requirements	Pass
4.1	General requirements	Pass
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	NA
4.5	Soft-filled toys	NA



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## Migration of Certain Elements

Test Method: With reference to EN71-3: 2019+A1: 2021, analysis was performed by ICP-OES

Code	Soluble Element	Measuring Instrument	MDL (mg/kg)	Limit(mg/kg)			Test Result 1 (mg/kg)	Conclusion (P/N)
				Dry, brittle, powder-like Or pliable toy material	Liquid or sticky toy material	Scraped-off Toy material		
1	Al	ICP-MS	0.01	2250	560	28130	N.D.	P
2	Sb	ICP-MS	0.01	45	11.3	560	N.D.	P
3	As	ICP-MS	0.01	3.8	0.9	47	N.D.	P
4	Ba	ICP-MS	0.01	1500	375	18750	N.D.	P
5	B	ICP-MS	0.01	1200	300	15000	N.D.	P
6	Cd	ICP-MS	0.01	1.3	0.3	17	N.D.	P
7	Cr III	ICP-MS	0.01	37.5	9.4	460	N.D.	P
8	Cr VI	Uv-vis	0.001	0.02	0.005	0.053	N.D.	P
9	Co	ICP-MS	0.01	10.5	2.6	130	N.D.	P
10	Cu	ICP-MS	0.01	622.5	156	7700	N.D.	P
11	Pb	ICP-MS	0.01	13.5	3.4	160	N.D.	P
12	Mn	ICP-MS	0.01	1200	300	15000	N.D.	P
13	Hg	ICP-MS	0.01	7.5	1.9	94	N.D.	P
14	Ni	ICP-MS	0.01	75	18.8	930	N.D.	P
15	Se	ICP-MS	0.01	37.5	9.4	460	N.D.	P
16	Sr	ICP-MS	0.01	4500	1125	56000	N.D.	P
17	Sn	ICP-MS	0.01	15000	3750	180000	N.D.	P
18	Organotin	ICP-MS	0.01	0.9	0.2	12	N.D.	P
19	Zn	ICP-MS	0.01	3750	938	46000	N.D.	P



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Code	Soluble Element	Measuring Instrument	MDL (mg/kg)	Limit(mg/kg)			Test Result 2 (mg/kg)	Conclusion (P/N)
				Dry,brittle,powder-likeOr pliable toy material	Liquid or sticky toy material	Scraped-off Toy material		
1	Al	ICP-MS	0.01	2250	560	28130	N.D.	P
2	Sb	ICP-MS	0.01	45	11.3	560	N.D.	P
3	As	ICP-MS	0.01	3.8	0.9	47	N.D.	P
4	Ba	ICP-MS	0.01	1500	375	18750	N.D.	P
5	B	ICP-MS	0.01	1200	300	15000	N.D.	P
6	Cd	ICP-MS	0.01	1.3	0.3	17	N.D.	P
7	Cr III	ICP-MS	0.01	37.5	9.4	460	N.D.	P
8	Cr VI	Uv-vis	0.001	0.02	0.005	0.053	N.D.	P
9	Co	ICP-MS	0.01	10.5	2.6	130	N.D.	P
10	Cu	ICP-MS	0.01	622.5	156	7700	N.D.	P
11	Pb	ICP-MS	0.01	13.5	3.4	160	N.D.	P
12	Mn	ICP-MS	0.01	1200	300	15000	N.D.	P
13	Hg	ICP-MS	0.01	7.5	1.9	94	N.D.	P
14	Ni	ICP-MS	0.01	75	18.8	930	N.D.	P
15	Se	ICP-MS	0.01	37.5	9.4	460	N.D.	P
16	Sr	ICP-MS	0.01	4500	1125	56000	N.D.	P
17	Sn	ICP-MS	0.01	15000	3750	180000	N.D.	P
18	Organotin	ICP-MS	0.01	0.9	0.2	12	N.D.	P
19	Zn	ICP-MS	0.01	3750	938	46000	N.D.	P





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Code	Soluble Element	Measuring Instrument	MDL (mg/kg)	Limit(mg/kg)			Test Result 3 (mg/kg)	Conclusion (P/N)
				Dry,brittle,powder-likeOr pliable toy material	Liquid or sticky toy material	Scraped-off Toy material		
1	Al	ICP-MS	0.01	2250	560	28130	N.D.	P
2	Sb	ICP-MS	0.01	45	11.3	560	N.D.	P
3	As	ICP-MS	0.01	3.8	0.9	47	N.D.	P
4	Ba	ICP-MS	0.01	1500	375	18750	N.D.	P
5	B	ICP-MS	0.01	1200	300	15000	N.D.	P
6	Cd	ICP-MS	0.01	1.3	0.3	17	N.D.	P
7	Cr III	ICP-MS	0.01	37.5	9.4	460	N.D.	P
8	Cr VI	Uv-vis	0.001	0.02	0.005	0.053	N.D.	P
9	Co	ICP-MS	0.01	10.5	2.6	130	N.D.	P
10	Cu	ICP-MS	0.01	622.5	156	7700	N.D.	P
11	Pb	ICP-MS	0.01	13.5	3.4	160	N.D.	P
12	Mn	ICP-MS	0.01	1200	300	15000	N.D.	P
13	Hg	ICP-MS	0.01	7.5	1.9	94	N.D.	P
14	Ni	ICP-MS	0.01	75	18.8	930	N.D.	P
15	Se	ICP-MS	0.01	37.5	9.4	460	N.D.	P
16	Sr	ICP-MS	0.01	4500	1125	56000	N.D.	P
17	Sn	ICP-MS	0.01	15000	3750	180000	N.D.	P
18	Organotin	ICP-MS	0.01	0.9	0.2	12	N.D.	P
19	Zn	ICP-MS	0.01	3750	938	46000	N.D.	P



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Code	Soluble Element	Measuring Instrument	MDL (mg/kg)	Limit(mg/kg)			Test Result 4 (mg/kg)	Conclusion (P/N)
				Dry, brittle, powder-like Or pliable toy material	Liquid or sticky toy material	Scraped-off Toy material		
1	Al	ICP-MS	0.01	2250	560	28130	N.D.	P
2	Sb	ICP-MS	0.01	45	11.3	560	N.D.	P
3	As	ICP-MS	0.01	3.8	0.9	47	N.D.	P
4	Ba	ICP-MS	0.01	1500	375	18750	N.D.	P
5	B	ICP-MS	0.01	1200	300	15000	N.D.	P
6	Cd	ICP-MS	0.01	1.3	0.3	17	N.D.	P
7	Cr III	ICP-MS	0.01	37.5	9.4	460	N.D.	P
8	Cr VI	Uv-vis	0.001	0.02	0.005	0.053	N.D.	P
9	Co	ICP-MS	0.01	10.5	2.6	130	N.D.	P
10	Cu	ICP-MS	0.01	622.5	156	7700	N.D.	P
11	Pb	ICP-MS	0.01	13.5	3.4	160	N.D.	P
12	Mn	ICP-MS	0.01	1200	300	15000	N.D.	P
13	Hg	ICP-MS	0.01	7.5	1.9	94	N.D.	P
14	Ni	ICP-MS	0.01	75	18.8	930	N.D.	P
15	Se	ICP-MS	0.01	37.5	9.4	460	N.D.	P
16	Sr	ICP-MS	0.01	4500	1125	56000	N.D.	P
17	Sn	ICP-MS	0.01	15000	3750	180000	N.D.	P
18	Organotin	ICP-MS	0.01	0.9	0.2	12	N.D.	P
19	Zn	ICP-MS	0.01	3750	938	46000	N.D.	P



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## Specimen Description:

No.	Specimen name
1	Blue coating
2	Red coating
3	Green coating
4	Wooden parts

### Notes:

- (1) P=Pass, N=Not Pass
- (2) 1mg/kg=1 ppm=0.0001%
- (3) MDL=Method Detection Limit
- (4) ND= Not Detected(<MDL)

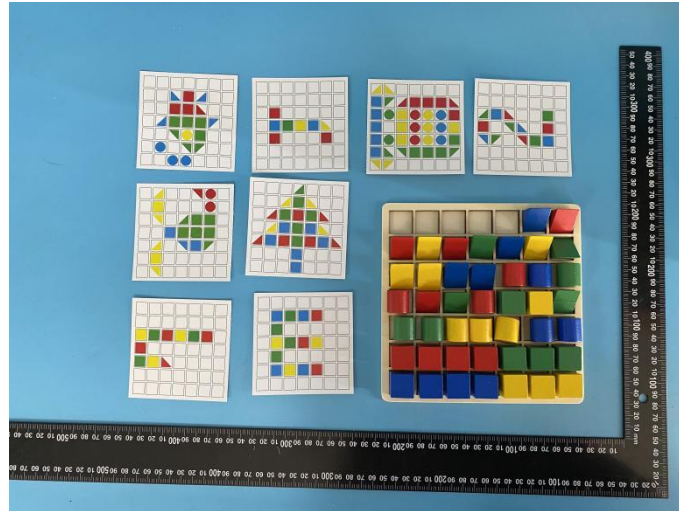
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## Sample photo



\*\*\* End of the Report \*\*\*