

GUANGDONG WONDER TESTING INTERNATIONAL CO., LTD.

TEST REPORT

Report No.: WDX24071307ENR1
Applicant: NINGBO DIRECT EDUCATION
RESOURCES MANUFACTURING CO.,LTD
Address: Room 1509#, Titan Building, No.535 Tiantong
south road, Yinzhou district, NingBo
Date: Aug. 05, 2024



Traceability

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The following information was (were) submitted and identified by client:

Sample Name: Animal Cutter
Jungle Cutter
Bug Cutter
Fruit Cutter
Vegetable Cutter
Halloween Cutter
Gingerbread Cutter
Xmas Cutter
Dino Multi Cutters
Jungle Multi Cutter
Sand and Paint pattern tools

Number of Sample: 1SET

Style of Sample: AP/025/AC RE/025/AC WES/033/AC
AP/075/JC RE/075/JC WES/054/JC
AP/074/BC RE/074/BC
AP/746/FC RE/746/FC WES/746/FC
AP/747/VC RE/747/VC WES/747/VC
AP/720/HC RE/720/HC
AP/082/GC RE/082/GC
AP/003/WXC RE/003/WXC
AP/2327/DCD RE/2327/DCD
AP/2328/DCJ RE/2328/DCJ
AP/634/SPT RE/634/SPT

Applicant's Specified

Testing Age Group: 2+

Tested Age Grading: 2+

Sample Received Date: Jul. 24, 2024

Completed Date: Jul. 27, 2024

Test Result(s): Please refer to next page(s).

Test Requested and Conclusion(s):Please refer to next page(s).



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Test Requested and Conclusion(s):

No.	Test Sample(s)	Standard(s) and Requirement(s)	Conclusion(s)	Signed by
1	Submitted sample	EN 71-1:2014+A1:2018 - Physical and Mechanical Properties (See the next page for specific sections)	PASS	
2	Submitted sample	EN 71-2:2020 - Flammability	PASS	
3	Tested materials of submitted samples	EN 71-3:2019+A1:2021 - Migration of certain elements (Category III)	PASS	

Test Result(s):**EN 71-1:2014+A1:2018 - Mechanical and Physical Properties**

Section(s)	Test Item(s)	Assessment(s)
		8
4	Safety requirements	
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	PASS
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	Projectiles	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	Toy Disguise Costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months (Washing/ Cleaning instruction)	
5.1	General Requirements	PASS
5.2	Soft-filled Toys And Soft-filled Parts of a Toy	NA

Test Result(s):

EN 71-1:2014+A1:2018 - Mechanical and Physical Properties

Section(s)	Test Item(s)	Assessment(s)
		8
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	PASS
7	Warnings, markings and Instructions for use	
7.1	General	PASS
7.2	Toys not intended for children under 36 months	PASS
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	Projectiles	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 attached to or 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

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Test Result(s):**EN 71-1:2014+A1:2018 - Mechanical and Physical Properties**

Section(s)	Test Item(s)	Assessment(s)
		8
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

Note: The test age group of the sample is specified by client.**Use and Abuse Tests**

Section(s)	Test Item(s)	Test Parameter(s)
8.3	Torque test	0.34N.m 10s
8.4	Tension test	90N 10s
8.5	Drop test	5×850mm

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Test Result(s):**Labeling requirement**

Method : With reference to Informative Annex A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC-Safety of toys.

Labeling Content(s)	Observation Result(s)	Location(s)
Washing/Cleaning Instruction	NA	/
Manufacturer' s Name & Address	Absent	/
Importer' s Name & Address	Present	Packaging
Product ID	Present	Packaging
CE Mark	Present, Correct form, CE marking(height ≥5 mm)	Packaging

EN 71-2:2020 - Flammability

Section(s)	Test Item(s)	Assessment(s)
		8
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

Test Result(s):**EN 71-3:2019+A1:2021 - Migration of Certain Elements (Category III)**

Method: General elements, with reference to EN 71-3:2019+A1:2021, analyzed by ICP-MS;

Chromium(VI), with reference to EN 71-3:2019+A1:2021, analyzed by LC-ICP-MS;

Organic tin, with reference to EN 71-3:2019+A1:2021, analyzed by GC-MS.

Test Element(s)	RL (mg/kg)	Limit(s) (mg/kg)	Result(s) (mg/kg)		
			1	2	3
Lead (Pb)	0.2	23	ND	ND	2.5
Antimony (Sb)	2	560	ND	ND	ND
Arsenic (As)	0.5	47	ND	ND	ND
Barium (Ba)	50	18750	ND	ND	ND
Selenium (Se)	5	460	ND	ND	ND
Cadmium (Cd)	0.2	17	ND	ND	ND
Mercury (Hg)	1	94	ND	ND	ND
Chromium #	0.2	--	ND	ND	ND
Chromium(III) ^{#1}	0.2	460	ND	ND	ND
Chromium(VI)	0.005	0.053	ND	ND	ND
Nickel (Ni)	10	930	ND	ND	ND
Tin (Sn)	0.2	180000	0.2	0.8	0.8
Organic tin ^{#2}	0.2	12	ND	ND	ND
Aluminum (Al) ^{#3}	50	28130	ND	ND	ND
Copper (Cu)	50	7700	ND	ND	ND
Cobalt (Co)	2	130	ND	ND	ND
Boron (B)	50	15000	ND	ND	ND
Manganese (Mn)	50	15000	ND	ND	ND
Strontium (Sr)	50	56000	ND	ND	ND
Zinc (Zn)	50	46000	ND	ND	ND
Conclusion(s)			PASS	PASS	PASS

Test Result(s):**EN 71-3:2019+A1:2021 - Migration of Certain Elements (Category III)**

Method: General elements, with reference to EN 71-3:2019+A1:2021, analyzed by ICP-MS;

Chromium(VI), with reference to EN 71-3:2019+A1:2021, analyzed by LC-ICP-MS;

Organic tin, with reference to EN 71-3:2019+A1:2021, analyzed by GC-MS.

Test Element(s)	RL (mg/kg)	Limit(s) (mg/kg)	Result(s) (mg/kg)			
			4	5	6	7
Lead (Pb)	0.2	23	ND	0.3	0.2	1.5
Antimony (Sb)	2	560	ND	ND	ND	ND
Arsenic (As)	0.5	47	ND	ND	ND	ND
Barium (Ba)	50	18750	ND	ND	ND	ND
Selenium (Se)	5	460	ND	ND	ND	ND
Cadmium (Cd)	0.2	17	ND	ND	ND	ND
Mercury (Hg)	1	94	ND	ND	ND	ND
Chromium #	0.2	--	ND	ND	ND	ND
Chromium(III) ^{#1}	0.2	460	ND	ND	ND	ND
Chromium(VI)	0.005	0.053	ND	ND	ND	ND
Nickel (Ni)	10	930	ND	ND	ND	ND
Tin (Sn)	0.2	180000	0.2	0.2	0.2	0.4
Organic tin ^{#2}	0.2	12	ND	ND	ND	ND
Aluminum (Al) ^{#3}	50	28130	ND	ND	ND	ND
Copper (Cu)	50	7700	ND	ND	ND	ND
Cobalt (Co)	2	130	ND	ND	ND	ND
Boron (B)	50	15000	ND	ND	ND	ND
Manganese (Mn)	50	15000	ND	ND	ND	ND
Strontium (Sr)	50	56000	ND	ND	ND	ND
Zinc (Zn)	50	46000	ND	ND	ND	ND
Conclusion(s)			PASS	PASS	PASS	PASS

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- Note:**
1. “#” = If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).
 2. “#1” = In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.
 3. “#2” = The migration of organic tin is expressed as tributyltin.
 4. “#3” = The migration limits for Aluminum have been amended by Commission Directive (EU) 2019/1922. The new limit values (2250 mg/kg, 560 mg/kg and 28130 mg/kg, respectively) apply from 2021-05-20. Before this date the limit values 5625 mg/kg, 1406 mg/kg and 70000 mg/kg, respectively, apply.

- Remark :**
1. mg/kg = milligram per kilogram(ppm).
 2. ND = Not Detected (< RL).
 3. RL = Report Limit.
 4. NA = Not Applicable.
 5. “--” = Not Regulated.
 6. As per client's request, only the appointed points and items have been tested.
 7. WDX24071307EN is replaced by this report.

Test Material List

Material No.	Description(s)	Location(s)
1	Yellow plastic	Cutting model
2	Green plastic	Cutting model
3	Blue plastic	Cutting model
4	Yellow plastic	Cutting model
5	Red plastic	Cutting model
6	Orange plastic	Cutting model
7	Purple plastic	Cutting model
8	Plastic shaped tool	Overall

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Photo(s) of Sample(s):



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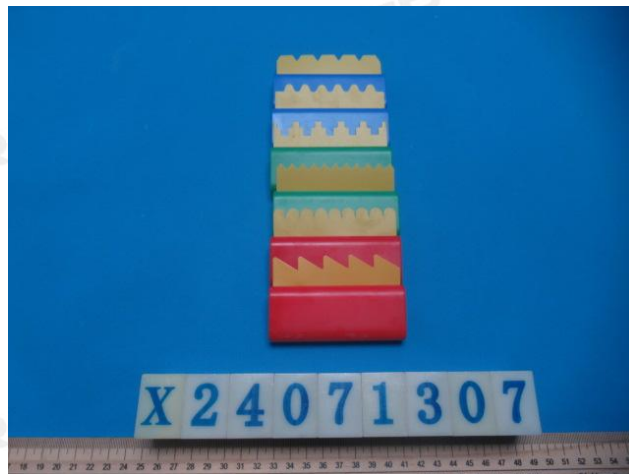


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Photo(s) of Display:



End of Report

Report Remark

1. The company guarantees the scientificity, impartiality and accuracy, is responsible for test data, and keeps confidential for the samples and technical data provided.
2. The information of the samples submitted for inspection is provided by applicant, and the company is not responsible for its authenticity or integrity.
3. The results shown in this report refer only to the sample(s) submitted.
4. This report is invalid without signature of approver, is invalid if not affixed with Authorized Stamp of Test and Paging Seal. The data/results in reports without an CMA stamp are not in the accredited scope of CMA cannot be as domestic social impartiality proof data. It can only used for research and development, teaching, internal quality control, and only for internal reference.
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6. If there are any questions about the report, please contact us.
7. Any dispute of this report must be raised to the center within 10 workdays since the date of receipt, or it will not be accepted.
8. For samples with unstable performance, re-inspection will not be accepted.

CONTACT US

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