



TEST REPORT

Report No. 010224030295R1

DATED: 09 JULY 2025

Client : PLAN CREATIONS CO., LTD.
8 MOO 8, TRANG-PALIAN RD.,
YANTAKAO, TRANG 92140 THAILAND

Buyer : /

Sample Description : STORYTELLING DICE

Item No. : 8904

SKU No. : /

Model / Style : /

Client Specified Age Grade : 3-99Y

Manufacturer : /

Country of Origin : THAILAND

Country of Destination : /

Test Sample Received : RECEIVED 20/09/2024

Test Period : FROM 20/09/2024 TO 30/09/2024

Report was revised as per client request and shall supersede Report # 010224030295, dated 30 September 2024

TEST REQUESTED	CONCLUSION	REMARK
EN 71-1:2014+A1:2018 – PHYSICAL AND MECHANICAL PROPERTIES	PASS	-
EN 71-2:2020 – FLAMMABILITY	PASS	-
EN 71-3:2019+A2:2024 – MIGRATION OF CERTAIN ELEMENTS	PASS	-

Remark:

1. The sample is tested “3-99Y” as per client requested.
2. The Labeled Age Grade is 3-99Y.

For technical enquiries or any other concerns,
please contact:

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PREPARED BY:

LUKMAN YUSOFF
TESTING ENGINEER

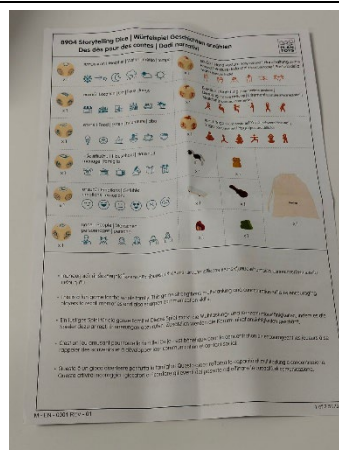
APPROVED BY:

ALEX LAU
TECHNICAL DIRECTOR

GIC Testing & Inspection Services Pte Ltd

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Singapore 349245

A collection of wooden toys arranged on a white surface. In the background, there is a pyramid of nine wooden blocks, each featuring a different icon: a girl's face, a person in a yoga pose, a person kicking, a crescent moon, a person with a bow, a television, a bowl of noodles, a car, and a person with a bow. In the foreground, there is a yellow cat, a red fire, a blue car, a white dog with brown spots, and a green bush.





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REMARK:

As per customer request, results for chemical tests listed below were referenced from the corresponding reports, issued no more than 12 months prior to this report.

Item Description: 8904 STORYTELLING DICE

<u>Components</u>	<u>Report Number</u>	<u>Date of Issue</u>
<u>EN 71-3:2019+A2:2024 Migration of Certain Elements</u>		
1 SOLID WOOD	010224060099	28-Jun-24
2 5080266 DARK BLUE FABRIC	010223100022	20-Oct-23
3 5280211 COTTON CLOTH TAPE	010223100021	20-Oct-23
4 5083898 LABEL FABRIC	010224030097	27-Mar-24
5 YELLOW COATING ON WOOD	010223120160	22-Jan-24
6 LIGHT GREEN COATING ON WOOD	010224010338	21-Feb-24
7 CLEAR COATING ON WOOD	010224060179	16-Jul-24
8 WHITE COATING ON WOOD	010224040095	7-May-24
9 BLUE COATING ON SAWDUST (320C)	010224010080	30-Jan-24
10 ORANGE COATING ON SAWDUST	010224020095	7-Mar-24
11 RED COATING ON WOOD	010223120128	22-Jan-24
12 BROWN COATING ON WOOD	010223120130	22-Jan-24
13 BLACK COATING ON WOOD	010224040096	7-May-24
14 DARK BROWN COATING ON WOOD	010224020088	7-Mar-24
15 LIGHT BLUE COATING ON WOOD (2)	010224030214	5-Apr-24



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TEST RESULT(S):

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

Test Method : Reference to EN 71-1:2014+A1:2018.

Clause	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	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	Cord of toy kites and other flying toys	NA
4.14	Toys which a child can enter	NA
4.15	Toys propelled by child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	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
5	Toys intended for children under 36 months	NA
6	Packaging	NA
7	Warning, instructions for use	M

Note:

M = Meet

NR = Not Requested

NM = Not Meet

NT = Not Tested

NA = Not Applicable

NP = Not Present

R = Refer to Comment Section

EN 71-2:2020 - Flammability

Test Method : Reference to EN 71-2:2020.

Test Item(s)	Item / Component Description(s)	
1	8904 STORYTELLING DICE	

Subclause	Requirement	Result
4.1	General requirement	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

Note:

M = Meet

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NT = Not Tested

NA = Not Applicable

NP = Not Present

R = Refer to Comment Section

DNI = Did Not Ignite



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TEST RESULT(S): (Continued)

EN 71-3:2019+A2:2024 – Migration of Certain Elements

Test Method : Reference to BS EN 71-3:2019+A2:2024 Analysis by ICP-MS.

Test Item(s)	Item / Component Description(s)
1	SOLID WOOD
2	5080266 DARK BLUE FABRIC
3	5280211 COTTON CLOTH TAPE
4	5083898 LABEL FABRIC
5	YELLOW COATING ON WOOD
6	LIGHT GREEN COATING ON WOOD
7	CLEAR COATING ON WOOD
8	WHITE COATING ON WOOD
9	BLUE COATING ON SAWDUST (320C)
10	ORANGE COATING ON SAWDUST
11	RED COATING ON WOOD
12	BROWN COATING ON WOOD
13	BLACK COATING ON WOOD
14	DARK BROWN COATING ON WOOD
15	LIGHT BLUE COATING ON WOOD (2)

See Soluble Element and its corresponding Maximum Allowable Limit in Result Table	Category I	Pliable modelling materials or other solid materials intended to leave a trace appearing in the toy
	Category II	Liquid paints/inks and other similar materials appearing as such in the toy (e.g. bubble solution), and glue sticks
	Category III	Coatings, polymeric materials (e.g. plastics), paper, textiles, glass, ceramic, metallic, wood and other solid materials

Test Item(s)	Unit	Permissible Limit	Result				
			1	2	3	4	5
Category Type	-	III	III	III	III	III	III
Aluminum (Al)	mg/kg	28130	ND	ND	ND	ND	38.6
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	ND	ND	ND	0.05	0.30
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	18.6	ND	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	10.5	ND	ND	ND	28.7
Conclusion	-	-	PASS	PASS	PASS	PASS	PASS



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TEST RESULT(S): (Continued)

Test Item(s)	Unit	Permissible Limit	Result				
			6	7	8	9	10
Category Type	-	III	III	III	III	III	III
Aluminum (Al)	mg/kg	28130	825	ND	1230	196	230
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	ND	ND	ND
Barium (Ba)	mg/kg	18750	ND	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	0.34	0.32	0.75	0.31	0.21
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	ND	ND	ND	ND
Manganese (Mn)	mg/kg	15000	ND	14.6	ND	ND	ND
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	ND	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	ND	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	ND	1890	ND	ND	72.9
Conclusion	-	-	PASS	PASS	PASS	PASS	PASS

Test Item(s)	Unit	Permissible Limit	Result				
			11	12	13	14	15
Category Type	-	III	III	III	III	III	III
Aluminum (Al)	mg/kg	28130	119	135	ND	69.1	1037
Antimony (Sb)	mg/kg	560	ND	ND	ND	ND	ND
Arsenic (As)	mg/kg	47	ND	ND	2.9	ND	ND
Barium (Ba)	mg/kg	18750	8.6	ND	ND	ND	ND
Boron (B)	mg/kg	15000	ND	ND	ND	ND	ND
Cadmium (Cd)	mg/kg	17	ND	ND	ND	ND	ND
Chromium III (Cr III)	mg/kg	460	0.71	0.73	0.59	0.09	0.18
Chromium VI (Cr VI)	mg/kg	0.053	ND	ND	ND	ND	ND
Cobalt (Co)	mg/kg	130	ND	ND	ND	ND	ND
Copper (Cu)	mg/kg	7700	ND	ND	ND	ND	ND
Lead (Pb)	mg/kg	23	ND	1.2	ND	ND	ND
Manganese (Mn)	mg/kg	15000	5.8	ND	ND	ND	7.2
Mercury (Hg)	mg/kg	94	ND	ND	ND	ND	ND
Nickel (Ni)	mg/kg	930	ND	ND	10.0	ND	ND
Selenium (Se)	mg/kg	460	ND	ND	ND	ND	ND
Strontium (Sr)	mg/kg	56000	ND	ND	32.0	ND	ND
Tin (Sn)	mg/kg	180000	ND	ND	ND	ND	ND
Organic tin	mg/kg	12	ND	ND	ND	ND	ND
Zinc (Zn)	mg/kg	46000	6.6	ND	ND	885	ND
Conclusion	-	-	PASS	PASS	PASS	PASS	PASS

Note:

- mg/kg = milligram per kilogram
- ND = Not Detected
- Reporting limit for Cr (III), Cr (VI) = 0.02 mg/kg, and for Organic Tin = 0.9 mg/kg
- Reporting limit for Pb = 1.0 mg/kg, for As, Cd = 0.5 mg/kg
- Reporting limit for Al, Sb, Ba B, Co, Hg, Cu, Mn, Ni, Se, Sr, Zn, Sn = 5.0 mg/kg
- Confirmation test of chromium (III) is not required in case of chromium does not exceed their requirements as specified in EN 71-3:2019+ A2: 2024.



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TEST RESULT(S): (Continued)

Remark:

- Test Item(s) was (were) tested according to European Standard EN 71-3:2019+ A2: 2024, Section 8.
- Results of Cr III and Cr VI were reported as sum of soluble chromium content unless further verified.
- Result(s) of organic tin was (were) calculated by assuming the soluble tin content was wholly contributed from tributyltin (TBT) cation unless further specified.
- The pH measured shall be reported after migration if it was outside the range of 1.1 to 1.3.

END OF REPORT

This report sets forth our findings solely with respect to the test samples identified herein. The results in this report are not representative of the quality or characteristics of the lot/batch from which a test sample was taken or any similar or identical product unless specifically and expressly noted. The sample/s mentioned in this report is/are submitted/supplied/manufactured by the Client, GIC Testing & Inspection Services Pte. Ltd. therefore assumes no responsibility for the accuracy of information on the brand name, model/ style number, consignment or any information supplied. Unless otherwise stated in this report, no tests were conducted to determine long term effects of using the specific product. Any copying or replication of this report to or for any other person or entity, or use of our name or trademark, is permitted only with our prior written permission.

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