



# TEST REPORT

Report No. 010224010206R2

DATED: 02 MAY 2025

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

**Buyer** : /

**Sample Description** : RHYTHM BOX

**Item No.** : 6423

**SKU No.** : /

**Model / Style** : /

**Client Specified Age Grade** : 12M+

**Manufacturer** : /

**Country of Origin** : THAILAND

**Country of Destination** : /

**Test Sample Received** : RECEIVED 25/04/2024

**Test Period** : FROM 25/04/2024 TO 02/05/2024

*\*Report was revised as per client request and shall supersede Report # 010224010206R1, dated 23 January 2025\**

| 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 “12M+” as per client requested.
2. The Labeled Age Grade is 12M+.

For technical enquiries or any other concerns,  
please contact:

**GIC TESTING & INSPECTION SERVICES PTE LTD**

Tel: +65 6741 2260

Email: services.sg@gicgrp.com

**PREPARED BY:**

**LUKMAN YUSOFF**  
TESTING ENGINEER

**APPROVED BY:**

**ALEX LAU**  
TECHNICAL DIRECTOR

**GIC Testing & Inspection Services Pte Ltd**

158 Kallang Way #08-01  
Singapore 349245

SAMPLE PHOTO



## SAMPLE PHOTO

Die Rhythmusbox ist ein Spielzeug, das aus Holz gefertigt ist und eine runde Form hat. Es ist mit einem bunten Muster aus Dreiecken und Quadraten bedeckt. Die Box ist in der Mitte mit einem Loch versehen, durch das man die Hände stecken kann. Die Box ist in der Mitte mit einem Loch versehen, durch das man die Hände stecken kann. Die Box ist in der Mitte mit einem Loch versehen, durch das man die Hände stecken kann.



6423  
Rhythm Box  
12m+

PLAN CREATIONS CO., LTD.  
100/100, 100/100, 100/100, 100/100  
Sustainable made in Thailand

ASTM CE UK



Copyright Reserved by PlanToys  
011124



# Report No. 010224010206R2

DATED: 02 MAY 2025

## 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:** 5423 RHYTHM BOX

| <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                  | 010223060067         | 20-Jun-23            |
| 2                                                         | PLYWOOD                     | 010223060068         | 20-Jun-23            |
| 3                                                         | CLEAR COATING ON WOOD       | 010223060081         | 27-Jun-23            |
| 4                                                         | BLUE COATING ON WOOD (320C) | 010224010080         | 30-Jan-24            |
| 5                                                         | ORANGE COATING ON WOOD      | 010223120127         | 22-Jan-24            |
| 6                                                         | BROWN COATING ON WOOD       | 010223120130         | 22-Jan-24            |
| 7                                                         | YELLOW COATING ON WOOD      | 010223120160         | 22-Jan-24            |



# Report No. 010224010206R2

DATED: 02 MAY 2025

## 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                                                          | See Results<br>4.20.2.9 |
| 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                         | M                       |
| 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



# Report No. 010224010206R2

DATED: 02 MAY 2025

## TEST RESULT(S): (Continued)

### Sound-Producing Toys

| Test Item(s)                                                        | 6423 Rhythm Box   |      |             |
|---------------------------------------------------------------------|-------------------|------|-------------|
| Clause 4.20.2.9                                                     | Permissible Limit | Unit | Result      |
| A-weighted time-averaged emission sound pressure level ( $L_{pA}$ ) | 85                | dB   | 71          |
| C-weighted peak emission sound pressure level ( $L_{pCpeak}$ )      | 130               | dB   | 79          |
| Conclusion                                                          | -                 | -    | <b>PASS</b> |

### EN 71-2:2020 - Flammability

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

| Test Item(s) | Item / Component Description(s) |
|--------------|---------------------------------|
| 1            | 6423 RHYTHM BOX                 |

| Subclause | Requirement                                                           | Result      |
|-----------|-----------------------------------------------------------------------|-------------|
| 4.1       | General requirement                                                   | <b>PASS</b> |
| 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

NR = Not Requested

NM = Not Meet

NT = Not Tested

NA = Not Applicable

NP = Not Present

R = Refer to Comment Section

DNI = Did Not Ignite



# Report No. 010224010206R2

DATED: 02 MAY 2025

## 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            | PLYWOOD                         |
| 3            | CLEAR COATING ON WOOD           |
| 4            | BLUE COATING ON WOOD (320C)     |
| 5            | ORANGE COATING ON WOOD          |
| 6            | BROWN COATING ON WOOD           |
| 7            | YELLOW COATING ON WOOD          |

|                                                                                   |              |                                                                                                                          |
|-----------------------------------------------------------------------------------|--------------|--------------------------------------------------------------------------------------------------------------------------|
| 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           |
| <b>Category Type</b>  | -     | III               | III         | III         | III         |
| Aluminium (Al)        | mg/kg | 28130             | ND          | ND          | ND          |
| Antimony (Sb)         | mg/kg | 560               | ND          | ND          | ND          |
| Arsenic (As)          | mg/kg | 47                | ND          | 1.37        | ND          |
| Barium (Ba)           | mg/kg | 18750             | ND          | ND          | ND          |
| Boron (B)             | mg/kg | 15000             | ND          | ND          | ND          |
| Cadmium (Cd)          | mg/kg | 17                | ND          | ND          | ND          |
| Chromium III (Cr III) | mg/kg | 460               | 0.0200      | 0.0200      | 0.48        |
| Chromium VI (Cr VI)   | mg/kg | 0.053             | ND          | ND          | ND          |
| Cobalt (Co)           | mg/kg | 130               | ND          | ND          | ND          |
| Copper (Cu)           | mg/kg | 7700              | ND          | ND          | ND          |
| Lead (Pb)             | mg/kg | 23                | ND          | ND          | ND          |
| Manganese (Mn)        | mg/kg | 15000             | 40.0        | 18.0        | ND          |
| Mercury (Hg)          | mg/kg | 94                | ND          | ND          | ND          |
| Nickel (Ni)           | mg/kg | 930               | ND          | ND          | ND          |
| Selenium (Se)         | mg/kg | 460               | ND          | ND          | ND          |
| Strontium (Sr)        | mg/kg | 56000             | ND          | ND          | ND          |
| Tin (Sn)              | mg/kg | 180000            | ND          | ND          | ND          |
| Organic tin           | mg/kg | 12                | ND          | ND          | ND          |
| Zinc (Zn)             | mg/kg | 46000             | ND          | ND          | ND          |
| <b>Conclusion</b>     | -     | -                 | <b>PASS</b> | <b>PASS</b> | <b>PASS</b> |



# Report No. 010224010206R2

DATED: 02 MAY 2025

## TEST RESULT(S): (Continued)

| Test Item(s)          | Unit  | Permissible Limit | Result |      |      |      |
|-----------------------|-------|-------------------|--------|------|------|------|
|                       |       |                   | 4      | 5    | 6    | 7    |
| Category Type         | -     | III               | III    | III  | III  | III  |
| Aluminium (Al)        | mg/kg | 28130             | 196    | 114  | 135  | 38.6 |
| Antimony (Sb)         | mg/kg | 560               | ND     | ND   | ND   | ND   |
| Arsenic (As)          | mg/kg | 47                | ND     | ND   | ND   | ND   |
| Barium (Ba)           | mg/kg | 18750             | ND     | ND   | ND   | ND   |
| Boron (B)             | mg/kg | 15000             | ND     | ND   | ND   | ND   |
| Cadmium (Cd)          | mg/kg | 17                | ND     | ND   | ND   | ND   |
| Chromium III (Cr III) | mg/kg | 460               | 0.31   | 0.18 | 0.73 | 0.30 |
| Chromium VI (Cr VI)   | mg/kg | 0.053             | ND     | ND   | ND   | ND   |
| Cobalt (Co)           | mg/kg | 130               | ND     | ND   | ND   | ND   |
| Copper (Cu)           | mg/kg | 7700              | ND     | ND   | ND   | ND   |
| Lead (Pb)             | mg/kg | 23                | ND     | ND   | 1.2  | ND   |
| Manganese (Mn)        | mg/kg | 15000             | ND     | ND   | ND   | ND   |
| Mercury (Hg)          | mg/kg | 94                | ND     | ND   | ND   | ND   |
| Nickel (Ni)           | mg/kg | 930               | ND     | ND   | ND   | ND   |
| Selenium (Se)         | mg/kg | 460               | ND     | ND   | ND   | ND   |
| Strontium (Sr)        | mg/kg | 56000             | ND     | 8.1  | ND   | ND   |
| Tin (Sn)              | mg/kg | 180000            | ND     | ND   | ND   | ND   |
| Organic tin           | mg/kg | 12                | ND     | ND   | ND   | ND   |
| Zinc (Zn)             | mg/kg | 46000             | ND     | ND   | ND   | 28.7 |
| Conclusion            | -     | -                 | 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.

### 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.