



# TEST REPORT

Report No. 010224010036R1

DATED: 11 MARCH 2025

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

**Buyer** : /

**Sample Description** : SHAPE & SORT IT OUT BIN

**Item No.** : 5489

**SKU No.** : /

**Model / Style** : /

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

**Manufacturer** : /

**Country of Origin** : THAILAND

**Country of Destination** : /

**Test Sample Received** : RECEIVED ON 07/03/2024

**Test Period** : FROM 07/03/2024 TO 12/03/2024

*\*Report was revised as per client request and shall supersede Report # 010224010036, dated 12 March 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 "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**

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**PREPARED BY:**

**LUKMAN YUSOFF**  
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**APPROVED BY:**

**ALEX LAU**  
TECHNICAL DIRECTOR

**GIC Testing & Inspection Services Pte Ltd**

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Singapore 349245

## SAMPLE PHOTO





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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:** 5489 SHAPE & SORT IT OUT BIN

| <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                                                         | YELLOW COATING ON WOOD | 010223120131         | 22-Jan-24            |
| 4                                                         | WHITE COATING ON WOOD  | 010223040051         | 26-Apr-23            |
| 5                                                         | RED COATING ON WOOD    | 010223120128         | 22-Jan-24            |
| 6                                                         | CLEAR COATING ON WOOD  | 010223060081         | 27-Jun-23            |
| 7                                                         | BLUE COATING ON WOOD   | 010223030028         | 17-Mar-23            |



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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                         | 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



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## TEST RESULT(S): (Continued)

### EN 71-2:2020 - Flammability

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

| Test Item(s) | Item / Component Description(s) |
|--------------|---------------------------------|
| 1            | 5489 Shape & Sort It Out Bin    |

| 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

NM = Not Meet

NA = Not Applicable

R = Refer to Comment Section

NR = Not Requested

NT = Not Tested

NP = Not Present

DNI = Did Not Ignite

### 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            | YELLOW COATING ON WOOD          |
| 4            | WHITE COATING ON WOOD           |
| 5            | RED COATING ON WOOD             |
| 6            | CLEAR COATING ON WOOD           |
| 7            | BLUE 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 |



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## TEST RESULT(S): (Continued)

| Test Item(s)          | Unit  | Permissible Limit | Result      |             |             |             |
|-----------------------|-------|-------------------|-------------|-------------|-------------|-------------|
|                       |       |                   | 1           | 2           | 3           | 4           |
| <b>Category Type</b>  | -     | III               | III         | III         | III         | III         |
| Aluminium (Al)        | mg/kg | 28130             | ND          | ND          | 118         | 434         |
| Antimony (Sb)         | mg/kg | 560               | ND          | ND          | ND          | ND          |
| Arsenic (As)          | mg/kg | 47                | ND          | 1.37        | ND          | ND          |
| Barium (Ba)           | mg/kg | 18750             | ND          | ND          | 122         | 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               | 0.0200      | 0.0200      | 0.83        | 1.33        |
| 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          | ND          | ND          |
| Manganese (Mn)        | mg/kg | 15000             | 40.0        | 18.0        | 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          | ND          | 38.1        | ND          |
| Tin (Sn)              | mg/kg | 180000            | ND          | ND          | 2.1         | 1.62        |
| Organic tin           | mg/kg | 12                | ND          | ND          | ND          | ND          |
| Zinc (Zn)             | mg/kg | 46000             | ND          | ND          | ND          | 161         |
| <b>Conclusion</b>     | -     | -                 | <b>PASS</b> | <b>PASS</b> | <b>PASS</b> | <b>PASS</b> |

| Test Item(s)          | Unit  | Permissible Limit | Result      |             |             |
|-----------------------|-------|-------------------|-------------|-------------|-------------|
|                       |       |                   | 5           | 6           | 7           |
| <b>Category Type</b>  | -     | III               | III         | III         | III         |
| Aluminium (Al)        | mg/kg | 28130             | 119         | ND          | 1202        |
| Antimony (Sb)         | mg/kg | 560               | ND          | ND          | ND          |
| Arsenic (As)          | mg/kg | 47                | ND          | ND          | ND          |
| Barium (Ba)           | mg/kg | 18750             | 8.6         | 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               | 0.71        | 0.48        | 0.32        |
| 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             | 5.8         | ND          | 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             | 6.6         | ND          | ND          |
| <b>Conclusion</b>     | -     | -                 | <b>PASS</b> | <b>PASS</b> | <b>PASS</b> |

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.

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### END OF REPORT

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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.