



# TEST REPORT

**Report No. 010221070110R1**

Dated DEC 28, 2021

**Client** : PLAN CREATIONS CO., LTD.  
8 MOO 8, TRANG-PALIAN RD.,  
YANTAKAO, TRANG 92140  
ATTN: MS RATCHADA KONGTHON

**Buyer** : /

**Test Sample Received** : RECEIVED ON 16/08/2021

**Test Period** : FROM 16/08/2021 TO 24/08/2021

**Sample Description** : TIMBER TUMBLE

**Product Code** : 4627

**Age Grade** : 3Y+

**Manufacturer** : /

**Country of Destination** : /

**Country of Origin** : THAILAND

*\*Report was revised as per client request and shall supersede Report# 010221070110, dated 24 Aug, 2021.*

| TEST REQUESTED                                            | CONCLUSION | REMARK |
|-----------------------------------------------------------|------------|--------|
| EN 71-1:2014+A1:2018 – PHYSICAL AND MECHANICAL PROPERTIES | PASS       | -      |
| ISO 8124-8:2016 AGE DETERMINATION GUIDELINES              | DATA       | -      |
| EN 71-2:2020 – FLAMMABILITY                               | PASS       | -      |
| EN 71-3:2019+A1:2021 – MIGRATION OF CERTAIN ELEMENTS      | PASS       | -      |

For technical enquiries or any other concerns, please contact:

GIC TESTING & INSPECTION SERVICES  
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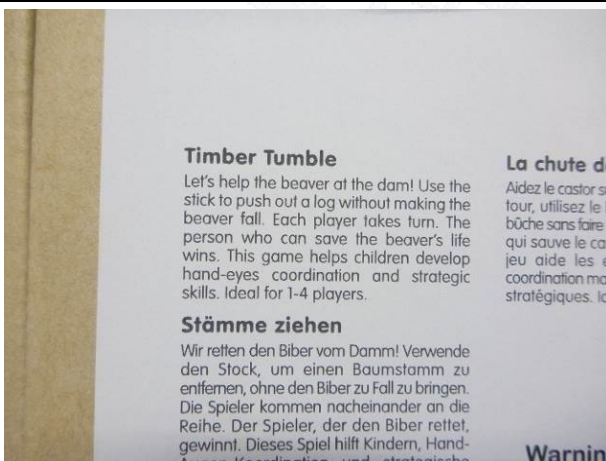
**PREPARED BY:**

**EDMUND YAP**  
**LABORATORY MANAGER**

**APPROVED BY:**

**SUZEN CHONG**  
**SENIOR VICE PRESIDENT**

## SAMPLE PHOTO



## SAMPLE PHOTO



### REMARK:

As per customer request, results for chemical tests listed below were referenced from the corresponding reports, issued no more than 24 months prior to this report.

### Item Description: 4627 TIMBER TUMBLE

#### Components

#### EN 71-3:2019+A1:2021 – Migration of Certain Elements

SOLID WOOD  
PLYWOOD  
CLEAR RUBBER  
BROWN COATING ON WOOD  
GRAY COATING ON WOOD  
LIGHT BROWN COATING ON WOOD  
BLACK COATING ON WOOD  
DARK BROWN COATING ON WOOD

#### Report Number

010221060154  
010221060154  
010221060122  
120070122  
120120082  
120070125  
010121030125  
120070131

#### Date of Issue

01 JUL 2021  
01 JUL 2021  
01 JUL 2021  
24 JUL 2020  
18 DEC 2020  
24 JUL 2020  
26 MAR 2021  
24 JUL 2020



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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.

| Test Item(s) | Item / Component Description(s) |
|--------------|---------------------------------|
| 1            | 4627 TIMBER TUMBLE              |

| Clause | Requirement                                                        | Result |
|--------|--------------------------------------------------------------------|--------|
|        |                                                                    | 1      |
| 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                                          | NA     |
| 4.8 e) | Splinters                                                          | 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 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                                                    | 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

NM = Not Meet

NA = Not Applicable

R = Refer to Comment Section

NR = Not Requested

NT = Not Tested

NP = Not Present

### ISO 8124-8:2016 Age Determination Guidelines

Test Method : Reference to ISO 8124-8:2016.

| Claimed Age Grade | Recommended Age Grade |
|-------------------|-----------------------|
| 3Y+               | 3Y+                   |



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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            | 4627 TIMBER TUMBLE              |

| Subclause | Requirement                   | Result |
|-----------|-------------------------------|--------|
| 4.1       | General requirement           | PASS   |
|           | Celluloid (cellulose nitrate) | NP     |

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+A1:2021 – Migration of Certain Elements

Test Method : Reference to EN 71-3:2019+A1:2021 Analysis by ICP-MS.

| Test Item(s) | Item / Component Description(s) |
|--------------|---------------------------------|
| 1            | SOLID WOOD                      |
| 2            | PLYWOOD                         |
| 3            | CLEAR RUBBER                    |
| 4            | BROWN COATING ON WOOD           |
| 5            | GRAY COATING ON WOOD            |
| 6            | LIGHT BROWN COATING ON WOOD     |
| 7            | BLACK COATING ON WOOD           |
| 8            | DARK BROWN 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)

| -                     | Unit  | Req.   | Result |      |      |      |      |
|-----------------------|-------|--------|--------|------|------|------|------|
| Test Item(s)          | -     | -      | 1      | 2    | 3    | 4    | 5    |
| Category Type         | -     | III    | III    | III  | III  | III  | III  |
| Aluminium (Al)        | mg/kg | 28130  | ND     | ND   | ND   | 30   | ND   |
| 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   | 99   | 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    | 0.04   | 0.03 | ND   | 0.43 | 0.04 |
| 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  | 16     | 15   | 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   | 2    | ND   |
| Organic tin           | mg/kg | 12     | ND     | ND   | ND   | ND   | ND   |
| Zinc (Zn)             | mg/kg | 46000  | ND     | ND   | ND   | ND   | 473  |
| Conclusion            | -     | -      | PASS   | PASS | PASS | PASS | PASS |

| -                     | Unit  | Req.   | Result |      |      |
|-----------------------|-------|--------|--------|------|------|
| Test Item(s)          | -     | -      | 6      | 7    | 8    |
| Category Type         | -     | III    | III    | III  | III  |
| Aluminium (Al)        | mg/kg | 28130  | 43     | 16   | 25   |
| Antimony (Sb)         | mg/kg | 560    | ND     | ND   | ND   |
| Arsenic (As)          | mg/kg | 47     | ND     | ND   | 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    | 0.45   | 0.20 | 0.20 |
| 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     | 1.17 | 1.5  |
| Manganese (Mn)        | mg/kg | 15000  | 18     | ND   | 30   |
| 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   |
| Conclusion            | -     | -      | 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 Tin and 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 = 10.0 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.



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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.

