



TEST REPORT

Report No. 010224010210R1

DATED: 23 JANUARY 2025

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

Buyer : /

Sample Description : SOLID DRUM II

Item No. : 6445

SKU No. : /

Model / Style : /

Client Specified Age Grade : 12M+

Manufacturer : /

Country of Origin : THAILAND

Country of Destination : /

Test Sample Received : RECEIVED 12/04/2024

Test Period : FROM 12/04/2024 TO 22/04/2024

**Report was revised and shall supersede Report # 010224010210, dated 22 April 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+A1:2021 – 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:

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Singapore 349245

SAMPLE PHOTO



[illegible]



Report No. 010224010210R1

DATED: 23 JANUARY 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: 6445 SOLID DRUM II

Components

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

- | | |
|---|-----------------------------|
| 1 | SOLID WOOD |
| 2 | PLYWOOD |
| 3 | 5293924 BLACK RUBBER |
| 4 | 5294008 YELLOW RUBBER |
| 5 | CLEAR COATING ON WOOD |
| 6 | YELLOW COATING ON WOOD |
| 7 | BLUE COATING ON WOOD (320C) |
| 8 | ORANGE COATING ON WOOD |

Report Number

| |
|--------------|
| 010223060067 |
| 010223060068 |
| 010223050049 |
| 010223050005 |
| 010223060081 |
| 010223120160 |
| 010224010080 |
| 010223120127 |

Date of Issue

| |
|-----------|
| 20-Jun-23 |
| 20-Jun-23 |
| 26-May-23 |
| 15-May-23 |
| 27-Jun-23 |
| 22-Jan-24 |
| 30-Jan-24 |
| 22-Jan-24 |

GICG - ENABLING TRUST IN A CHANGING WORLD



Report No. 010224010210R1

DATED: 23 JANUARY 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 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



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TEST RESULT(S): (Continued)

Sound-Producing Toys

| Test Item(s) | 6445 Solid Drum II | | |
|---|--------------------|------|--------|
| Clause 4.20.2.9 | Permissible Limit | Unit | Result |
| A-weighted time-averaged emission sound pressure level (L_{pA}) | 85 | dB | 73 |
| C-weighted peak emission sound pressure level (L_{pCpeak}) | 130 | dB | 84 |
| Conclusion | - | - | PASS |

EN 71-2:2020 - Flammability

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

| Test Item(s) | Item / Component Description(s) |
|--------------|---------------------------------|
| 1 | 6445 SOLID DRUM II |

| 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

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. 010224010210R1

DATED: 23 JANUARY 2025

TEST RESULT(S): (Continued)

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

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

| Test Item(s) | Item / Component Description(s) |
|--------------|---------------------------------|
| 1 | SOLID WOOD |
| 2 | PLYWOOD |
| 3 | 5293924 BLACK RUBBER |
| 4 | 5294008 YELLOW RUBBER |
| 5 | CLEAR COATING ON WOOD |
| 6 | YELLOW COATING ON WOOD |
| 7 | BLUE COATING ON WOOD |
| 8 | ORANGE 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 | 4 |
| Category Type | - | III | III | III | III | III |
| Aluminium (Al) | mg/kg | 28130 | ND | ND | ND | ND |
| 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 | 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 | 0.0200 | 0.0200 | ND | ND |
| 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 | ND | ND |
| Tin (Sn) | mg/kg | 180000 | ND | ND | ND | 0.92 |
| Organic tin | mg/kg | 12 | ND | ND | ND | ND |
| Zinc (Zn) | mg/kg | 46000 | ND | ND | 209 | 215 |
| Conclusion | - | - | PASS | PASS | PASS | PASS |



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TEST RESULT(S): (Continued)

| Test Item(s) | Unit | Permissible Limit | Result | | | |
|-----------------------|-------|-------------------|--------|------|------|------|
| | | | 5 | 6 | 7 | 8 |
| Category Type | - | III | III | III | III | III |
| Aluminium (Al) | mg/kg | 28130 | ND | 38.6 | 196 | 114 |
| 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 | 0.48 | 0.30 | 0.31 | 0.18 |
| 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 | 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 | ND | ND | 8.1 |
| Tin (Sn) | mg/kg | 180000 | ND | ND | ND | ND |
| Organic tin | mg/kg | 12 | ND | ND | ND | ND |
| Zinc (Zn) | mg/kg | 46000 | ND | 28.7 | ND | ND |
| 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 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+A1:2021.

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.