



# TEST REPORT

Report No. 010224120044

DATED: 06 JANUARY 2025

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

**Buyer** : /

**Sample Description** : HANDY CARPENTER SET

**Item No.** : 3709

**SKU No.** : /

**Model / Style** : /

**Client Specified Age Grade** : 3Y+

**Manufacturer** : /

**Country of Origin** : THAILAND

**Country of Destination** : /

**Test Sample Received** : RECEIVED 27/12/2024

**Test Period** : FROM 27/12/2024 TO 06/01/2025

| 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+A1:2021 – MIGRATION OF CERTAIN ELEMENTS      | PASS       | -      |

Remark:

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

For technical enquiries or any other concerns,  
please contact:

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**SAMPLE PHOTO**



## 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:** 3709 HANDY CARPENTER SET

### Components

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

- |   |                             |
|---|-----------------------------|
| 1 | SOLID WOOD                  |
| 2 | 5260037 BROWN PLASTIC       |
| 3 | 5293656 GRAY ELASTIC (Flat) |
| 4 | CLEAR COATING ON WOOD       |
| 5 | GRAY COATING ON WOOD        |
| 6 | DARK BLUE COATING ON WOOD   |
| 7 | RED COATING ON WOOD         |

### Report Number

### Date of Issue

- |                |           |
|----------------|-----------|
| 010224060099   | 28-Jun-24 |
| 010224030346   | 5-Apr-24  |
| 010224050053   | 22-May-24 |
| 010224060179   | 16-Jul-24 |
| 010223120129   | 22-Jan-24 |
| 010224010337R1 | 4-Mar-24  |
| 010223120128   | 22-Jan-24 |

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# Report No. 010224120044

DATED: 06 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.

| Test Item(s) | Item / Component Description(s) |
|--------------|---------------------------------|
| 1            | HANDY CARPENTER SET             |

| 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            |
| 5.1    | General requirements                                               | NA            |
| 5.2    | Soft-filled toys and soft-filled parts of a toy                    | NA            |
| 5.3    | Plastic sheeting                                                   | NA            |
| 5.4    | Cords, chain and electrical cables in toys                         | NA            |
| 5.5    | Liquid-filled toys                                                 | NA            |
| 5.6    | Speed limitation of electrically-driven ride-on toys               | NA            |
| 5.7    | Glass and porcelain                                                | NA            |
| 5.8    | Shape and size of certain toys                                     | NA            |
| 5.9    | Toys comprising monofilament fibres                                | NA            |
| 5.10   | Small balls                                                        | NA            |
| 5.11   | Play figures                                                       | NA            |
| 5.12   | Hemispheric-shaped toys                                            | NA            |
| 5.13   | Suction cups                                                       | NA            |
| 5.14   | Straps intended to be worn fully or partially around the neck      | NA            |
| 5.15   | Sledges with cords for pulling                                     | NA            |
| 6      | Packaging                                                          | NA            |
| 7      | Warning, instructions for use                                      | M<br>7.1, 7.2 |

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. 010224120044

DATED: 06 JANUARY 2025

## 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            | 3709 Handy Carpenter Set        |

| 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. 010224120044

DATED: 06 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            | 5260037 BROWN PLASTIC           |
| 3            | 5293656 GRAY ELASTIC (Flat)     |
| 4            | CLEAR COATING ON WOOD           |
| 5            | GRAY COATING ON WOOD            |
| 6            | DARK BLUE COATING ON WOOD       |
| 7            | RED 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         |
| Aluminum (Al)         | mg/kg | 28130             | ND          | ND          | ND          |
| 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               | ND          | 0.11        | ND          |
| 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             | 18.6        | 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          | 2.0         | ND          |
| Organic tin           | mg/kg | 12                | ND          | ND          | ND          |
| Zinc (Zn)             | mg/kg | 46000             | 10.5        | ND          | 869         |
| <b>Conclusion</b>     | -     | -                 | <b>PASS</b> | <b>PASS</b> | <b>PASS</b> |



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## TEST RESULT(S): (Continued)

| Test Item(s)          | Unit  | Permissible Limit | Result |      |      |      |
|-----------------------|-------|-------------------|--------|------|------|------|
|                       |       |                   | 4      | 5    | 6    | 7    |
| Category Type         | -     | III               | III    | III  | III  | III  |
| Aluminum (Al)         | mg/kg | 28130             | ND     | 156  | 2210 | 119  |
| 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   | 5.5  | 8.6  |
| 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               | 0.32   | 0.32 | 0.42 | 0.71 |
| 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             | 14.6   | ND   | ND   | 5.8  |
| 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   | 1.4  | ND   |
| Organic tin           | mg/kg | 12                | ND     | ND   | ND   | ND   |
| Zinc (Zn)             | mg/kg | 46000             | 1890   | ND   | ND   | 6.6  |
| 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.

### Note:

- Test Item(s) was (were) tested according to European Standard EN 71-3: 2019 + A1: 2021, 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.