

HAPE INTERNATIONAL (NINGBO) LTD
 HAPPY ARTS&CRAFTS (NINGBO) CO., LTD
 9-27NANHAI ROAD, DAGANG INDUSTRIAL CITY, BEILUN, NINGBO, CHINA

Sample Description : JUNGLE PEG PUZZLE/ EMERGENCY PEG PUZZLE/
 CONSTRUCTION PEG PUZZLE/ FARMYARD PEG
 PUZZLE/ FARM ANIMAL PUZZLE & PLAY

Sample Quantity : 30 SETS

Style / Item No. : E1405/ E1406/ E1407/ E1408/ E1454

Country of Origin : CHINA

Country of Destination : GLOBAL

Labeled Age Grading : 24M+

Requested Age Grading : 24M+

ASIN No.: : B074N3TBMG/ B071G8B7ZT/ B071G8BP5F/
 B072MNJ7ZX/ B071JVBMKS

Client Reference Information : E1405A/ E1406A/ E1407A/ E1408A/ E1454A

Age Group Assessed as Per Age Guideline : 12+MONTHS

Age Group Applied in Testing : 12+MONTHS

Sample Receiving Date : SEP 07, 2021

Further Information Date : SEP 13, 2021

Testing Period : SEP 07, 2021 TO SEP 26, 2021

| <u>Test Requested</u> | <u>Result</u> |
|---|-------------------|
| EN 71-1: 2014+A1: 2018 – Safety of toys – Part 1: Mechanical and Physical Properties | <u>Pass</u> |
| Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to Informative Annex A.26 and A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC-Safety of toys | <u>See Result</u> |
| EN 71-2: 2011+A1: 2014 – Safety of toys – Part 2: Flammability | <u>Pass</u> |
| EN 71-2:2020 – Safety of toys – Part 2: Flammability | <u>Pass</u> |
| EN 71-3:2019+A1:2021– Migration of certain elements (Category III:for scrapped-off toy material) | <u>Pass</u> |
| Directive 2009/48/EC and its amendment Commission Directive (EU) 2019/1922 | <u>Pass</u> |
| EN71-3: 2019 – Migration of certain elements (Category III:for scrapped-off toy material) | |

***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****



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Signed for and on behalf of
SGS-CSTC Standards Technical Services (Shanghai) Co., Ltd.

Jessie Zhou



Jessie Zhou
Authorized Signatory



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Results:

EN 71-1: 2014+A1: 2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

AS SPECIFIED IN EN 71-1: 2014+A1: 2018 – SAFETY OF TOYS – PART 1: MECHANICAL AND PHYSICAL PROPERTIES

Clauses relevant to the item:

| <u>Clause</u> | <u>Description</u> | <u>Result</u> |
|---------------|--|---------------|
| 4 | General requirements | |
| 4.1 | Material cleanliness | <u>Pass</u> |
| 4.7 | Edges | <u>Pass</u> |
| 4.8 | Points and metallic wires | <u>Pass</u> |
| 4.9 | Protruding parts | <u>Pass</u> |
| 5 | Toys intended for children under 36 months | |
| 5.1 | General requirements: | |
| 5.1a | Small part requirement on toys & removable components (Test method 8.2) | <u>Pass</u> |
| 5.1b | Torque test (Test method 8.3) | <u>Pass</u> |
| | Tension test (Test method 8.4) | <u>Pass</u> |
| | Drop test (Test method 8.5) | <u>Pass</u> |
| | Impact test (Test method 8.7) | <u>Pass</u> |
| | Compression test (Test method 8.8) | <u>Pass</u> |
| | Sharp edge (Test method 8.11) | <u>Pass</u> |
| | Sharp point (Test method 8.12) | <u>Pass</u> |
| 5.1e | Glued wooden toys and toys with glued on plastic decals | <u>Pass</u> |

LABELING REQUIREMENT (WASHING/CLEANING INSTRUCTION, CE MARK, IMPORTER / MANUFACTURER NAME AND ADDRESS, PRODUCT IDENTIFICATION) ACCORDING TO THE DIRECTIVE 2009/48/EC – SAFETY OF TOYS

Summary table:

Item No: E1405/E1406/E1407/E1408

| | Observation Result | Location |
|-------------------------------|--------------------|---------------|
| Washing/Cleaning instruction | Not applicable | / |
| CE Mark | Present | Toy/Packaging |
| Importer's Name & Address | Present | Toy/Packaging |
| Manufacturer's Name & Address | Present | Toy/Packaging |
| Product ID | Present | Toy/Packaging |



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Item No: E1454

| | Observation Result | Location |
|-------------------------------|--------------------|-----------|
| Washing/Cleaning instruction | Not applicable | / |
| CE Mark | Present | Packaging |
| Importer's Name & Address | Present | Packaging |
| Manufacturer's Name & Address | Present | Packaging |
| Product ID | Present | Packaging |

Note:

1. According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned. According to the GUIDANCE DOCUMENT ON THE APPLICATION OF DIRECTIVE 2009/48/EC ON THE SAFETY OF TOYS, manufacturer shall not label "surface washing" on textile toys which, under the TSD, need to be soak washable.
2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
3. Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
4. Manufacturers must ensure that their toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

EN 71-2: 2011+A1: 2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2: 2011+A1: 2014 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

| Clause | Description | Result |
|--------|----------------------|--------|
| 4.1 | General requirements | Pass |

EN 71-2:2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY

AS SPECIFIED IN EN 71-2:2020 – SAFETY OF TOYS – PART 2: FLAMMABILITY

Clauses relevant to the item:

| Clause | Description | Result |
|--------|----------------------|--------|
| 4.1 | General requirements | Pass |

N.B. : - Only applicable clauses were shown.



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Test Part Description :

| Specimen No. | SGS Sample ID | Description |
|--------------|------------------|---------------------------------------|
| SN1 | SHA21-205686.001 | Natural color plywood |
| SN2 | SHA21-205686.002 | Cream PC handle |
| SN3 | SHA21-205686.003 | Colorful coating on plywood (E1405) |
| SN4 | SHA21-205686.004 | Colorful coating on plywood (E1406) |
| SN5 | SHA21-205686.005 | Colorful coating on plywood (E1407) |
| SN6 | SHA21-205686.006 | Colorful coating on plywood (E1408) |
| SN7 | SHA21-205686.007 | Colorful coating on plywood (E1454) |

Remarks :

- (1) 1 mg/kg = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

EN 71-3:2019+A1:2021– Migration of certain elements (Category III:for scrapped-off toy material)

Test Method : With reference to EN 71-3:2019+A1:2021, analysis was performed by ICP-OES, IC-UV or LC-ICP-MS.

| Test Item(s) | Limit | Unit | MDL | 001 | 002 | 003 |
|---------------------------------|-------|-------|-------|-----|-----|-----|
| Soluble Chromium (VI) (Cr VI) | 0.053 | mg/kg | 0.025 | ND | ND | ND |
| Soluble Lead (Pb) | 23 | mg/kg | 5 | ND | ND | ND |
| Soluble Antimony (Sb) | 560 | mg/kg | 10 | ND | ND | ND |
| Soluble Arsenic (As) | 47 | mg/kg | 10 | ND | ND | ND |
| Soluble Barium (Ba) | 18750 | mg/kg | 50 | ND | ND | ND |
| Soluble Cadmium (Cd) | 17 | mg/kg | 5 | ND | ND | ND |
| Soluble Chromium (III) (Cr III) | 460 | mg/kg | 5 | ND | ND | ND |
| Soluble Mercury (Hg) | 94 | mg/kg | 10 | ND | ND | ND |
| Soluble Selenium (Se) | 460 | mg/kg | 10 | ND | ND | ND |
| Soluble Boron (B) | 15000 | mg/kg | 50 | ND | ND | ND |
| Soluble Cobalt (Co) | 130 | mg/kg | 10 | ND | ND | ND |
| Soluble Manganese (Mn) | 15000 | mg/kg | 50 | ND | ND | ND |
| Soluble Strontium (Sr) | 56000 | mg/kg | 50 | ND | ND | ND |
| Soluble Zinc (Zn) | 46000 | mg/kg | 50 | ND | ND | 274 |
| Soluble Copper (Cu) | 7700 | mg/kg | 50 | ND | ND | ND |
| Soluble Aluminum (Al) | 28130 | mg/kg | 50 | ND | ND | 935 |



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Test Report

No.: SHHL2109048830TY

Date: SEP 26, 2021

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| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>001</u> | <u>002</u> | <u>003</u> |
|----------------------|--------------|-------------|------------|------------|------------|------------|
| Soluble Nickel (Ni) | 930 | mg/kg | 10 | ND | ND | ND |
| Soluble Tin (Sn) | 180000 | mg/kg | 3 | ND | ND | ND |
| Soluble Organic Tin* | 12 | mg/kg | - | ND | ND | ND |

| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>004</u> | <u>005</u> | <u>006</u> |
|---------------------------------|--------------|-------------|------------|------------|------------|------------|
| Soluble Chromium (VI) (Cr VI) | 0.053 | mg/kg | 0.025 | ND | ND | ND |
| Soluble Lead (Pb) | 23 | mg/kg | 5 | ND | ND | ND |
| Soluble Antimony (Sb) | 560 | mg/kg | 10 | ND | ND | ND |
| Soluble Arsenic (As) | 47 | mg/kg | 10 | ND | ND | ND |
| Soluble Barium (Ba) | 18750 | mg/kg | 50 | ND | ND | ND |
| Soluble Cadmium (Cd) | 17 | mg/kg | 5 | ND | ND | ND |
| Soluble Chromium (III) (Cr III) | 460 | mg/kg | 5 | ND | ND | ND |
| Soluble Mercury (Hg) | 94 | mg/kg | 10 | ND | ND | ND |
| Soluble Selenium (Se) | 460 | mg/kg | 10 | ND | ND | ND |
| Soluble Boron (B) | 15000 | mg/kg | 50 | ND | ND | ND |
| Soluble Cobalt (Co) | 130 | mg/kg | 10 | ND | ND | ND |
| Soluble Manganese (Mn) | 15000 | mg/kg | 50 | ND | ND | ND |
| Soluble Strontium (Sr) | 56000 | mg/kg | 50 | ND | ND | ND |
| Soluble Zinc (Zn) | 46000 | mg/kg | 50 | 495 | 92 | 321 |
| Soluble Copper (Cu) | 7700 | mg/kg | 50 | ND | ND | ND |
| Soluble Aluminum (Al) | 28130 | mg/kg | 50 | 1764 | 566 | 1332 |
| Soluble Nickel (Ni) | 930 | mg/kg | 10 | ND | ND | ND |
| Soluble Tin (Sn) | 180000 | mg/kg | 3 | ND | ND | ND |
| Soluble Organic Tin* | 12 | mg/kg | - | ND | ND | ND |



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| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>007</u> |
|---------------------------------|--------------|-------------|------------|------------|
| Soluble Chromium (VI) (Cr VI) | 0.053 | mg/kg | 0.025 | ND |
| Soluble Lead (Pb) | 23 | mg/kg | 5 | ND |
| Soluble Antimony (Sb) | 560 | mg/kg | 10 | ND |
| Soluble Arsenic (As) | 47 | mg/kg | 10 | ND |
| Soluble Barium (Ba) | 18750 | mg/kg | 50 | ND |
| Soluble Cadmium (Cd) | 17 | mg/kg | 5 | ND |
| Soluble Chromium (III) (Cr III) | 460 | mg/kg | 5 | ND |
| Soluble Mercury (Hg) | 94 | mg/kg | 10 | ND |
| Soluble Selenium (Se) | 460 | mg/kg | 10 | ND |
| Soluble Boron (B) | 15000 | mg/kg | 50 | ND |
| Soluble Cobalt (Co) | 130 | mg/kg | 10 | ND |
| Soluble Manganese (Mn) | 15000 | mg/kg | 50 | ND |
| Soluble Strontium (Sr) | 56000 | mg/kg | 50 | ND |
| Soluble Zinc (Zn) | 46000 | mg/kg | 50 | ND |
| Soluble Copper (Cu) | 7700 | mg/kg | 50 | ND |
| Soluble Aluminum (Al) | 28130 | mg/kg | 50 | 2270 |
| Soluble Nickel (Ni) | 930 | mg/kg | 10 | ND |
| Soluble Tin (Sn) | 180000 | mg/kg | 3 | ND |
| Soluble Organic Tin* | 12 | mg/kg | - | ND |

Notes :

- (1) Mass of trace amount of sample 002 is 62.3mg, sample 003 is 42.7mg, sample 004 is 97.0mg, sample 005 is 46.4mg, sample 006 is 53.5mg, sample 007 is 55.0mg.
- (2) *Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019+A1:2021.



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Directive 2009/48/EC and its amendment Commission Directive (EU) 2019/1922 - EN71-3: 2019 – Migration of certain elements (Category III:for scrapped-off toy material)

Test Method : With reference to EN 71-3:2019, analysis was performed by ICP-OES, IC-UV or LC-ICP-MS.

| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>001</u> | <u>002</u> | <u>003</u> |
|---------------------------------|--------------|-------------|------------|------------|------------|------------|
| Soluble Chromium (VI) (Cr VI) | 0.053 | mg/kg | 0.025 | ND | ND | ND |
| Soluble Lead (Pb) | 23 | mg/kg | 5 | ND | ND | ND |
| Soluble Antimony (Sb) | 560 | mg/kg | 10 | ND | ND | ND |
| Soluble Arsenic (As) | 47 | mg/kg | 10 | ND | ND | ND |
| Soluble Barium (Ba) | 18750 | mg/kg | 50 | ND | ND | ND |
| Soluble Cadmium (Cd) | 17 | mg/kg | 5 | ND | ND | ND |
| Soluble Chromium (III) (Cr III) | 460 | mg/kg | 5 | ND | ND | ND |
| Soluble Mercury (Hg) | 94 | mg/kg | 10 | ND | ND | ND |
| Soluble Selenium (Se) | 460 | mg/kg | 10 | ND | ND | ND |
| Soluble Boron (B) | 15000 | mg/kg | 50 | ND | ND | ND |
| Soluble Cobalt (Co) | 130 | mg/kg | 10 | ND | ND | ND |
| Soluble Manganese (Mn) | 15000 | mg/kg | 50 | ND | ND | ND |
| Soluble Strontium (Sr) | 56000 | mg/kg | 50 | ND | ND | ND |
| Soluble Zinc (Zn) | 46000 | mg/kg | 50 | ND | ND | 274 |
| Soluble Copper (Cu) | 7700 | mg/kg | 50 | ND | ND | ND |
| Soluble Aluminum (Al) | 28130 | mg/kg | 50 | ND | ND | 935 |
| Soluble Nickel (Ni) | 930 | mg/kg | 10 | ND | ND | ND |
| Soluble Tin (Sn) | 180000 | mg/kg | 3 | ND | ND | ND |
| Soluble Organic Tin* | 12 | mg/kg | - | ND | ND | ND |



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| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>004</u> | <u>005</u> | <u>006</u> |
|---------------------------------|--------------|-------------|------------|------------|------------|------------|
| Soluble Chromium (VI) (Cr VI) | 0.053 | mg/kg | 0.025 | ND | ND | ND |
| Soluble Lead (Pb) | 23 | mg/kg | 5 | ND | ND | ND |
| Soluble Antimony (Sb) | 560 | mg/kg | 10 | ND | ND | ND |
| Soluble Arsenic (As) | 47 | mg/kg | 10 | ND | ND | ND |
| Soluble Barium (Ba) | 18750 | mg/kg | 50 | ND | ND | ND |
| Soluble Cadmium (Cd) | 17 | mg/kg | 5 | ND | ND | ND |
| Soluble Chromium (III) (Cr III) | 460 | mg/kg | 5 | ND | ND | ND |
| Soluble Mercury (Hg) | 94 | mg/kg | 10 | ND | ND | ND |
| Soluble Selenium (Se) | 460 | mg/kg | 10 | ND | ND | ND |
| Soluble Boron (B) | 15000 | mg/kg | 50 | ND | ND | ND |
| Soluble Cobalt (Co) | 130 | mg/kg | 10 | ND | ND | ND |
| Soluble Manganese (Mn) | 15000 | mg/kg | 50 | ND | ND | ND |
| Soluble Strontium (Sr) | 56000 | mg/kg | 50 | ND | ND | ND |
| Soluble Zinc (Zn) | 46000 | mg/kg | 50 | 495 | 92 | 321 |
| Soluble Copper (Cu) | 7700 | mg/kg | 50 | ND | ND | ND |
| Soluble Aluminum (Al) | 28130 | mg/kg | 50 | 1764 | 566 | 1332 |
| Soluble Nickel (Ni) | 930 | mg/kg | 10 | ND | ND | ND |
| Soluble Tin (Sn) | 180000 | mg/kg | 3 | ND | ND | ND |
| Soluble Organic Tin* | 12 | mg/kg | - | ND | ND | ND |



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| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>007</u> |
|---------------------------------|--------------|-------------|------------|------------|
| Soluble Chromium (VI) (Cr VI) | 0.053 | mg/kg | 0.025 | ND |
| Soluble Lead (Pb) | 23 | mg/kg | 5 | ND |
| Soluble Antimony (Sb) | 560 | mg/kg | 10 | ND |
| Soluble Arsenic (As) | 47 | mg/kg | 10 | ND |
| Soluble Barium (Ba) | 18750 | mg/kg | 50 | ND |
| Soluble Cadmium (Cd) | 17 | mg/kg | 5 | ND |
| Soluble Chromium (III) (Cr III) | 460 | mg/kg | 5 | ND |
| Soluble Mercury (Hg) | 94 | mg/kg | 10 | ND |
| Soluble Selenium (Se) | 460 | mg/kg | 10 | ND |
| Soluble Boron (B) | 15000 | mg/kg | 50 | ND |
| Soluble Cobalt (Co) | 130 | mg/kg | 10 | ND |
| Soluble Manganese (Mn) | 15000 | mg/kg | 50 | ND |
| Soluble Strontium (Sr) | 56000 | mg/kg | 50 | ND |
| Soluble Zinc (Zn) | 46000 | mg/kg | 50 | ND |
| Soluble Copper (Cu) | 7700 | mg/kg | 50 | ND |
| Soluble Aluminum (Al) | 28130 | mg/kg | 50 | 2270 |
| Soluble Nickel (Ni) | 930 | mg/kg | 10 | ND |
| Soluble Tin (Sn) | 180000 | mg/kg | 3 | ND |



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| <u>Test Item(s)</u> | <u>Limit</u> | <u>Unit</u> | <u>MDL</u> | <u>007</u> |
|----------------------|--------------|-------------|------------|------------|
| Soluble Organic Tin* | 12 | mg/kg | - | ND |

Notes :

- (1)According to the Commission Implementing Decision (EU) 2021/867 of 28 May 2021, published in the OJEU. The EN 71-3:2019 is adopted as the harmonised standard for toys drafted in support of Directive 2009/48/EC.
- (2)Mass of trace amount of sample 002 is 62.3mg, sample 003 is 42.7mg, sample 004 is 97.0mg, sample 005 is 46.4mg, sample 006 is 53.5mg, sample 007 is 55.0mg.
- (3)*Confirmation test of soluble organic tin is not required in case of soluble tin, after conversion, does not exceed the soluble organic tin requirement as specified in EN 71-3:2019.

Remark:

The test results 001 are taken from report SHA21-138456.002
 The test results 002 are taken from report SHA21-205023.013.

Remark:

1. Since the data and / or information above division line of front page is provided by the applicant, the relevant results or conclusions of this report are only made for these data and / or information, SGS shall not be responsible for the authenticity and integrity of such data and information and the validity of the results and / or conclusions arising therefrom. Testing results only apply to the sample as received.
2. The declaration of conformity is based on non-binary acceptance decision rules with guard band, and the guard band length parameter is 0. When the measured value falls in the guard band limit, the declaration of conformity is "Conditional PASS" or "Conditional FAIL".



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Sample Photo:



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E1406 (B071G8B7ZT)



E1406 (B071G8B7ZT)



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