



**Test Report** No.: T52010300875TY Date: NOV 02, 2020 Page 1 of 24

HAPPY ARTS&CRAFTS(NINGBO)CO.,LTD HAPE INTERNATIONAL (NINGBO) LTD 9-27 NANHAI ROAD, DAGANG INDUSTRIAL CITY, BEILUN, NINGBO, CHINA PC:315800

The following samples were submitted and identified by/on behalf of the client as:

E3156,EGG CARTON E3157, CUPCAKES E3158, SMOOTHIE BLENDER E3160, FAST FOOD SET E3155, TASTY PROTEINS E3154, COOKING ESSENTIALS

Item No. : E3156, E3157, E3158, E3160, E3155, E3154

Country of Destination : GLOBAL

Client Reference Information : E3156A, E3157A, E3157B, E3158A, E3160A, E3160B,

E3155A, E3155B, E3154A, E3154B

Labeled Age Grading : 3Y+
Requested Age Grading : 3Y+

\*\*\*\*\*\*\*\*\*\*\*\*\*\*

Age Group Assessed by SGS As Per Age : OVER 2 YEARS

Guideline

Age Group Applied in Testing : OVER 2 YEARS Sample Receiving Date : OCT 20, 2020

Testing Period : OCT 20, 2020 TO NOV 02, 2020



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| Test | Requested  | Conclusion |
|------|--|------------|
| 1.   | Per applicant's request, for compliance with the selected requirement(s) of ASTM F963-17 Standard Consumer Safety Specification on Toy Safety. Refer to test result page(s) for details.  (Selected tests item as specified by the applicant, please refer to test result page(s) for details) |            |
|      | ASTM F963-17 Standard Consumer Safety Specification for Toy Safety (except clause 4.3.3)   | PASS       |
| 2.   | Title 16, Code of Federal Regulations, Chapter II - Consumer Products Safety Commission of U.S.A Part 1303 - Ban of Lead - Containing Paint and Certain Consumer Products Bearing Lead - Containing Paint – Lead Content   | PASS       |
| 3.   | Tracking label per Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.  | PASS*      |



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| Test | Requested  | Conclusion |
|------|--|------------|
| 4.   | CPSIA section 101 - Total Lead content   |            |
|      | CPSIA section 101(f) (1) – Lead in paint/similar surface coating material                              | PASS       |
|      | Client's Requirement – Lead in paint/similar surface coating material                                  | PASS       |
|      | CPSIA section 101(a) (2) – Lead in accessible substrate materials (Including Children's Metal Jewelry) | PASS       |
|      | Client's Requirement – Lead in accessible substrate materials (Including Children's Metal Jewelry)     | PASS       |

Test item(s) with "\*" is(are) not accredited by CNAS. Remark:

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

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch Testing Center

Liu Junjie, Tony Section Manager

**CNAS Approved Signatories** 







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## Results:

### **ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION FOR TOY SAFETY**

AS SPECIFIED IN ASTM F963-17 STANDARD CONSUMER SAFETY SPECIFICATION ON TOYS SAFETY

Clauses relevant to the item:

| Clause | Description  | Result   |
|--------|--|--|
| 4      | Safety Requirements  |  |
| 4.1    | Material Quality **  | <u>Pass</u>  |
| 4.2    | Flammability Test  | Pass   |
|        |  | (See Result Page)                                  |
| 4.3    | Toxicology   | <del>.                                      </del> |
| 4.3.2  | Manufacturing and Packaging of Food  | N/A  |
| 4.3.4  | Cosmetics  | <u>N/A</u>   |
| 4.3.5  | Heavy Elements   |  |
|        | 4.3.5.1 Heavy Elements in Paint/Similar Surface Coating Materials                  | Pass   |
|        |  | (See Result Page)                                  |
|        | 4.3.5.2 Heavy Metal in Substrate Materials   | <u>Pass</u>  |
|        |  | (See Result Page)                                  |
| 4.3.6  | Cosmetic, Liquids, Pastes, Putties, Gels, Powders and Item of Avian                | <u>N/A</u>   |
|        | Feather Origin   |  |
| 4.3.7  | Stuffing Materials   | Pass*  |
|        | (* The tests specified in this clause are not in the scope of CNAS accreditation.) |  |
| 4.3.8  | DEHP (DOP)   | N/A  |
| 4.4    | Electrical/Thermal Energy  | N/A  |
| 4.5    | Sound-Producing Toys   | N/A  |
| 4.6.1  | Small Objects  | Pass   |
| 4.6.2  | Mouth-Actuated Toys  | N/A  |
| 4.6.3  | Labelling Requirements   | <u>N/A</u>   |
| 4.7    | Accessible Edges   | <u>Pass</u>  |
| 4.8    | Projections  | <u>N/A</u>   |
| 4.9    | Accessible Points  | Pass Pass  |
| 4.10   | Wires or Rods  | <u>N/A</u>   |
| 4.11   | Nails and Fasteners  | <u>Pass</u>  |
| 4.12   | Plastic Film   | <u>N/A</u>   |
| 4.13.1 | Folding Mechanisms   | <u>N/A</u>   |
| 4.13.2 | Hinge-Line Clearance   | <u>N/A</u>   |
|        |  |  |



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| Clause 4.14 4.15 4.16 4.17 4.18 4.19 | Description Cords, Straps and Elastic Stability and Over-Load Requirements Confined Spaces Wheels, Tires, and Axles Holes, Clearance & Accessibility of Mechanisms Simulated Protective Devices | Result<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>Pass<br>N/A |
|--------------------------------------|---|--|
| 4.19                                 | Pacifiers   | <u>N/A</u>   |
| 4.21                                 | Projectile Toys   | N/A  |
| 4.22                                 | Teethers and Teething Toys  | N/A  |
| 4.23                                 | Rattles   | N/A  |
| 4.24                                 | Squeeze Toys  | N/A  |
| 4.25                                 | Battery-Operated Toys   | <u>N/A</u>   |
| 4.26                                 | Toys Intended to be Attached to a Crib or Playpen   | N/A  |
| 4.27                                 | Stuffed and Beanbag-Type Toys   | <u>Pass</u>  |
| 4.28                                 | Stroller and Carriage Toys  | N/A  |
| 4.29                                 | Art Materials   | <u>N/A</u>   |
| 4.30                                 | Toy Gun Marking   | <u>N/A</u>   |
| 4.31                                 | Balloons  | <u>N/A</u>   |
| 4.32                                 | Certain Toys and Nearly Spherical Ends  | <u>N/A</u>   |
| 4.33                                 | Marbles   | <u>N/A</u>   |
| 4.34                                 | Balls   | <u>N/A</u>   |
| 4.35                                 | Pompoms   | <u>N/A</u>   |
| 4.36                                 | Hemispheric-Shaped Objects  | <u>N/A</u>   |
| 4.37                                 | Yo Yo Elastic Tether Toys   | <u>N/A</u>   |
| 4.38                                 | Magnets   | <u>Pass</u>  |
| 4.39                                 | Jaw Entrapment in Handles and Steering Wheels   | <u>N/A</u>   |
| 4.40                                 | Expanding Materials   | <u>N/A</u>   |
| 4.41                                 | Toy Chest   | N/A  |
| 5                                    | Safety Labeling Requirements  |  |
| 5.2                                  | Age Grading Labeling  | Pass   |
| 5.3                                  | Safety Labeling Requirements  | N/A  |
| 5.4                                  | AquaticToys   | N/A  |
| 5.5                                  | Crib & Playpen Toys   | N/A  |
| 5.6                                  | Mobile  | N/A  |
| 5.7                                  | Stroller and Carriage Toys  | <u>N/A</u>   |
| 5.8                                  | Toys Intended to be Assembled by an Adult   | N/A  |
| 5.9                                  | Simulated Protective Devices  | <u>N/A</u>   |
| 5.10                                 | Toys with Functional Sharp Edges and Sharp Points   | <u>N/A</u>   |



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| <u>Clause</u> 5.11 5.12 5.13 5.14 5.15 5.16 5.17 | Description Small Objects, Small Balls, Marbles, and Balloons Toy Caps Art Materials Electric Toys Battery-Operated Toys Promotional Materials Magnets | Result<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>N/A<br>Pass<br>N/A |
|--|--|---|
| 6  | Instructional Literature   |   |
| 6.2<br>6.3<br>6.4                                | Crib & Playpen Toys  Mobiles  Toys Intended to be Assembled by an Adult  | <u>N/A</u><br><u>N/A</u><br>N/A                                 |
| 6.5  | Toys Intended to be Assembled by an Adult Battery-Operated Toys  | <u>N/A</u>  |
| 6.6  | Battery Powered Ride-on Toys   | N/A   |
| 6.7  | Toys in Contact with Food  | <u>Pass</u>   |
| 6.8  | Toy Chests   | N/A   |
| 7  | Producer's Markings  |   |
| 7.1  | Producer's Markings  | <u>Pass</u>   |
| 7.2  | Battery-Powered Ride-on Toys   | N/A   |
| 7.3  | Toy Chests   | <u>N/A</u>  |
| 8.5  | Normal Use Testing   | <u>Pass</u>   |
| 8.7  | Impact Test  | <u>Pass</u>   |
| 8.8  | Torque Test  | <u>Pass</u>   |
| 8.9  | Tension Test   | <u>Pass</u>   |
| 8.10   | Compression Test   | <u>Pass</u>   |
| 8.12   | Flexure Test   | N/A   |
| 8.16   | Tension Test for Pompoms   | <u>N/A</u>  |

N/A = Not Applicable

\*\* Visual Examination



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## Result Page:

Flammability Test (Clause 4.2)

Flammability Test on Solid

Sample
E3156,EGG CARTON
E3157, CUPCAKES
E3158, SMOOTHIE BLENDER
E3160, FAST FOOD SET
E3155, TASTY PROTEINS
E3154, COOKING ESSENTIALS

Burning Rate (inch/sec) 0.1\*

\*Burning rate has been rounded to the nearest one tenth of an inch per second.

Requirement: A toy / component is considered a "flammable solid" if it ignites and burns with a self-sustaining flame at a rate greater than 0.10 in/sec along its major axis.





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## ASTM F963-17, Clause 4.3.5.1 – Heavy Elements in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1

Method: With reference to ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

### **Total Lead Content**

| Test Item(s)   |   |    |    |  |  |  |  |
|--|---|----|----|--|--|--|--|
| MDL (ppm)  |   |    |    |  |  |  |  |
| Total Limit (ppm)  |   |    |    |  |  |  |  |
| Specimen Description Alias Tracing No. No.   |   |    |    |  |  |  |  |
| 1. White coating on wood (Egg) w/ Dull brown coating on wood (Logo)  | 2 | 1  | ND |  |  |  |  |
| 2. Light blue coating on wood (Cake) w/ bright dark brown, fuchsia coating on wood (Cake)  | 2 | 2  | ND |  |  |  |  |
| 3. Multi-color coating on wood (Cake) + Red coating on wood (Cake) + Light beige coating on wood (Cake)  | 2 | 3  | ND |  |  |  |  |
| 4. Dark pink coating on wood (Cake) w/ Dark green coating on wood (Leaf) + Orange coating on wood (Cake)                                       | 2 | 4  | ND |  |  |  |  |
| 5. Green coating on wood (Leaf) + Pink coating on wood (Cake) + Brown coating on wood (Cake)   | 2 | 5  | ND |  |  |  |  |
| 6. Army green coating on wood (Fruit) + Yellow-green coating on wood (Fruit) + Dark orange coating on wood (Fruit)                             | 2 | 6  | ND |  |  |  |  |
| 7. Multi-color coating on paper board & paper card (Tray, box) w/ black coating on paper label (Sticker)                                       | 2 | 7  | ND |  |  |  |  |
| Transparent lacquer coating on wood (Blender base) w/ cream coating on wood (Bread)  | 2 | 8  | ND |  |  |  |  |
| Dark brown coating on wood (Steak) + Brick-red coating on wood (Sausage) + Yellow coating on wood (Lemon)                                      | 2 | 9  | ND |  |  |  |  |
| 10. Brown-yellow coating on wood (Bread) w/ Light brown coating on wood (Bread) + Chocolate coating on wood (Ice)                              | 2 | 10 | ND |  |  |  |  |
| 11. White coating on felt (Onion) + White w/ black coating on fabric (Sewn-in label)   | 2 | 11 | ND |  |  |  |  |
| 12. Dark red coating on wood (Meat) w/ pink, white, dark blue coating (Fish)   | 2 | 12 | ND |  |  |  |  |
| 13. Purple coating on wood (Onion) w/ Bright red (Radish) coating on wood  | 2 | 13 | ND |  |  |  |  |
| 14. Transparent lacquer coating w/ light brown coating on wood (Potato) + Transparent lacquer coating w/ cream-yellow coating on wood (Potato) | 2 | 14 | ND |  |  |  |  |



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## Soluble Heavy Metal Content

| Test Item(s) |           |         |               | Pb                                 | Sb  | As      | Ва                | Cd     | Cr        | Hg  | Se  |
|--------------|-----------|---------|---------------|------------------------------------|-----|---------|-------------------|--------|-----------|-----|-----|
| MDL (ppm)    |           |         |               | 5                                  | 5   | 2.5     | 10                | 5      | 5         | 5   | 10  |
| Migration L  | imit (ppn | n)      |               | 90                                 | 60  | 25      | 1000              | 75     | 60        | 60  | 500 |
| Specimen     | Alias     | Tracing | Mass of trace | Adjusted Migration Result(s) (ppm) |     |         |                   |        |           |     |     |
| No.          | No.       | No.     | amount (mg)   |                                    | Adj | ustea I | <i>i</i> ligratio | n Resu | iit(s) (p | pm) |     |
| 1            | 1         | 2       | /             | ND                                 | ND  | ND      | 221               | ND     | ND        | ND  | ND  |
| 2            | 1         | 3       | /             | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 3            | 1         | 6       | /             | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 4            | 1         | 7       | 22.4          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 5            | 1         | 8       | /             | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 6            | 1         | 13      | 13.6          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 7            | 1         | 14      | 28.6          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 8            | 1         | 20      | 49.9          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 9            | 1         | 21      | /             | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 10           | 1         | 22      | /             | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 11           | 1         | 23      | 14.8          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 12           | 1         | 27      | /             | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 13           | 1         | 30      | 81.0          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 14           | 1         | 36      | 37.1          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 15           | 1         | 37      | 27.0          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 16           | 1         | 38      | 31.2          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 17           | 1         | 39      | /             | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 18           | 1         | 40      | 15.0          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 19           | 1         | 43      | 82.0          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 20           | 1         | 44      | /             | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 21           | 1         | 49      | 30.5          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 22           | 1         | 50      | 70.6          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 23           | 1         | 51      | 34.0          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 24           | 1         | 60      | /             | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 25           | 1         | 61      | /             | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 26           | 1         | 62      | 16.5          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 27           | 1         | 74      | 32.9          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |
| 28           | 1         | 75      | 31.5          | ND                                 | ND  | ND      | ND                | ND     | ND        | ND  | ND  |



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#### Specimen Description:

- 1. Multi-color coating on paper board & paper card (Tray, box)
- 2. White coating on wood (Egg)
- 3. Light blue coating on wood (Cake)
- 4. Multi-color coating on wood (Cake)
- 5. Dark pink coating on wood (Cake)
- 6. Dark green coating on wood (Leaf)
- 7. Yellow-green coating on wood (Fruit)
- 8. Dark brown coating on wood (Steak)
- 9. Brick-red coating on wood (Sausage)
- 10. Brown-yellow coating on wood (Bread)
- 11. Light brown coating on wood (Bread)
- 12. White coating on felt (Onion)
- 13. White w/ black coating on fabric (Sewn-in label)
- 14. Red coating on wood (Cake)
- 15. Orange coating on wood (Cake)
- 16. Green coating on wood (Leaf)
- 17. Pink coating on wood (Cake)
- 18. Brown coating on wood (Cake)
- 19. Dark orange coating on wood (Fruit)
- 20. Transparent lacquer coating on wood (Blender base)
- 21. Yellow coating on wood (Lemon)
- 22. Chocolate coating on wood (Ice)
- 23. Dark red coating on wood (Meat)
- 24. Purple coating on wood (Onion)
- 25. Transparent lacquer coating w/ light brown coating on wood (Potato)
- 26. Transparent lacquer coating w/ cream-yellow coating on wood (Potato)
- 27. Light beige coating on wood (Cake)
- 28. Army green coating on wood (Fruit)



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Note: - ppm = parts per million

- 1% = 10000 mg/kg = 10000 ppm = 10000 µg/g
- MDL = Method Detection Limit
- ND = Not Detected (lower than MDL)
- Migration results of eight elements shown are of the adjusted analytical results
- For Soluble Heavy Metal Content & Total Lead Content in composite: The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- The result(s) is (are) calculated using the minimum specimen weight for composite test.
- For Soluble Heavy Metal Content: Result(s) of specimen No.14-No.16, No.21, No.22 is(are) extracted from report No. T51910302056TY
- Result(s) of specimen No.17, No.20 & No.23 is(are) extracted from report No. T51910312525TY
- Result(s) of specimen No.18 is(are) extracted from report No. T52010241718TY
- Result(s) of specimen No.25 is(are) extracted from report No. T51910311650TY
- Result(s) of specimen No.24 is(are) extracted from report No. T52010210158TY
   Result(s) of specimen No.26 & No.27 is(are) extracted from report No. T52010250439TC

Remark: As received, below test portion(s) is(are) less than 10 mg, therefore such component(s) was(were) not tested for certain migration elements, as specified in ASTM F963-17 Clause 8.3.3.6 (2) – Selection of Test Portions

Dull brown coating on wood (Logo), fuchsia, bright dark brown (Cake), cream (Bread), bright red (Radish) coating on wood, pink, white, dark blue coating (Fish), black coating on paper label (Sticker)





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## ASTM F963-17, Clause 4.3.5.2 – Heavy Elements in Substrate Materials

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3

Method (metal materials): With reference to CPSC-CH-E1001-08.3

Method: With reference to ASTM F963-17 Clause 8.3

Analysis was performed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES)

### **Total Lead Content**

| Test Item(s)   |     |     |       |  |  |  |  |
|--|-----|-----|-------|--|--|--|--|
| MDL (ppm)  |     |     |       |  |  |  |  |
| Total Limit (ppm)  |     |     |       |  |  |  |  |
| Specimen Description Alias Tracing   |     |     |       |  |  |  |  |
|  | No. | No. | (ppm) |  |  |  |  |
| Silvery metal big screw (Lid)  | 3   | 1   | ND    |  |  |  |  |
| 2. Silvery metal screw (Base)  | 3   | 2   | ND    |  |  |  |  |
| 3. Brown hardboard + Cream plywood (Blender base)  | 4   | 1   | ND    |  |  |  |  |
| 4. White plastic (Egg) (HDPE) + Blue plastic (Cake plate) (ABS) + Brown plastic (Cake plate) (ABS)   | 4   | 2   | ND    |  |  |  |  |
| 5. Red plastic (Cake plate) (ABS) + Pink plastic (Cake plate) (ABS) + White soft plastic (Cake) (Silicone)   | 4   | 3   | ND    |  |  |  |  |
| 6. Yellow soft plastic (Cake) (Silicone) + Transparent plastic (Blender) (ABS)   | 4   | 4   | ND    |  |  |  |  |
| 7. White plastic (Blender) (ABS) + White plastic (Clip) (POM) + Red plastic (Cup) (PP)   | 4   | 5   | ND    |  |  |  |  |
| 8. White paper label (Sticker) + Blue plastic (Fish) (ABS) + Pink plastic (Fish)   | 4   | 6   | ND    |  |  |  |  |
| 9. Silvery plastic (Knife) (ABS) + Black plastic (Knife handle) (HDPE) + Transparent dry glue  | 4   | 7   | ND    |  |  |  |  |
| 10. Silvery plastic (Tool) (HDPE) + Light silvery plastic (Tool) (PP)  | 4   | 8   | ND    |  |  |  |  |
| 11. Dark green soft plastic (Tomato) (EVA) + White rubber core (Elastic cord)  | 4   | 9   | 17    |  |  |  |  |
| 12. White felt w/ yellow printing (Egg) + White felt w/ green, yellow printing (Leaf) + White felt w/ yellow, orange printing (Lemon)                                      | 4   | 10  | ND    |  |  |  |  |
| 13. White felt w/ green, red, pale green printing (Watermelon) + White felt w/ red, dark green printing (Strawberry)   | 4   | 11  | ND    |  |  |  |  |
| 14. White plush w/ brown printing (Bread) + White felt w/ red, light red printing (Bacon) + White tricot w/ green, light green printing w/ green fabric thread (Vegetable) | 4   | 12  | ND    |  |  |  |  |



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1443, for email: CN. Doccheck@sgs.com



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## Soluble Heavy Metal Content

| Test Item(s)                                    | Test Item(s) |          |               | Pb | Sb    | As     | Ва        | Cd       | Cr        | Hg    | Se  |
|---|--------------|----------|---------------|----|-------|--------|-----------|----------|-----------|-------|-----|
| MDL (ppm)                                       |              |          |               |    | 5     | 2.5    | 10        | 5        | 5         | 5     | 10  |
| Migration Limit (ppm) Other Than Modeling Clays |              |          |               |    | 60    | 25     | 1000      | 75       | 60        | 60    | 500 |
| Migration Li                                    | mit (ppr     | n) Model | ling Clays    | 90 | 60    | 25     | 250       | 50       | 25        | 25    | 500 |
| Specimen  | Alias        | Tracing  | Mass of trace |    | ۸ ما: | otod I | /liarotio | n Door   | 14/0) /10 | \     |     |
| No.   | No.          | No.      | amount (mg)   |    | Auj   | ustear | Migratio  | iii Kesu | iit(s) (b | piii) |     |
| 1   | 1            | 1        | 32.8          | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 2   | 1            | 4        | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 3   | 1            | 5        | /             | ND | 14    | ND     | ND        | ND       | ND        | ND    | ND  |
| 4   | 1            | 9        | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 5   | 1            | 10       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 6   | 1            | 11       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 7   | 1            | 12       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 8   | 1            | 15       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 9   | 1            | 16       | /             | ND | 9     | ND     | ND        | ND       | ND        | ND    | ND  |
| 10  | 1            | 17       | /             | ND | 10    | ND     | ND        | ND       | ND        | ND    | ND  |
| 11  | 1            | 18       | /             | ND | 12    | ND     | ND        | ND       | ND        | ND    | ND  |
| 12  | 1            | 19       | /             | ND | 16    | ND     | ND        | ND       | ND        | ND    | ND  |
| 13  | 1            | 24       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 14  | 1            | 25       | /             | ND | 35    | ND     | ND        | ND       | ND        | ND    | ND  |
| 15  | 1            | 26       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 16  | 1            | 28       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 17  | 1            | 29       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 18  | 1            | 31       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 19  | 1            | 32       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 20  | 1            | 33       | /             | 7  | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 21  | 1            | 34       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 22  | 1            | 35       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 23  | 1            | 42       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 24  | 1            | 45       | 1             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 25  | 1            | 46       | 1             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 26  | 1            | 47       | 1             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 27  | 1            | 48       | 1             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 28  | 1            | 52       | 1             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 29  | 1            | 53       | 1             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 30  | 1            | 54       | 1             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 31  | 1            | 55       | 1             | ND | 11    | ND     | ND        | ND       | ND        | ND    | ND  |
| 32  | 1            | 56       | 1             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 33  | 1            | 57       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |
| 34  | 1            | 58       | /             | ND | ND    | ND     | ND        | ND       | ND        | ND    | ND  |



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| Test Item(s)                                    |          |          |               | Pb Sb As Ba Cd Cr Hg S |     |         |           |         | Se        |       |     |
|---|----------|----------|---------------|------------------------|-----|---------|-----------|---------|-----------|-------|-----|
| MDL (ppm)                                       |          |          |               | 5                      | 5   | 2.5     | 10        | 5       | 5         | 5     | 10  |
| Migration Limit (ppm) Other Than Modeling Clays |          |          |               | 90                     | 60  | 25      | 1000      | 75      | 60        | 60    | 500 |
| Migration Li                                    | mit (ppr | n) Model | ling Clays    | 90                     | 60  | 25      | 250       | 50      | 25        | 25    | 500 |
| Specimen  | Alias    | Tracing  | Mass of trace |                        | ۷۹۰ | ustad N | /ligratio | n Bosu  | lt/c) /ni | nm)   |     |
| No.   | No.      | No.      | amount (mg)   |                        | Auj | usteu i | nigratio  | II Kesu | ii(ə) (þ  | oiii) |     |
| 35  | 1        | 59       | 53.1          | ND                     | ND  | ND      | ND        | ND      | ND        | ND    | ND  |
| 36  | 1        | 63       | /             | ND                     | ND  | ND      | ND        | ND      | ND        | ND    | ND  |
| 37  | 1        | 64       | /             | ND                     | ND  | ND      | ND        | ND      | ND        | ND    | ND  |
| 38  | 1        | 65       | /             | ND                     | ND  | ND      | ND        | ND      | ND        | ND    | ND  |
| 39  | 1        | 66       | /             | ND                     | 6   | ND      | ND        | ND      | ND        | ND    | ND  |
| 40  | 1        | 67       | 39.5          | ND                     | ND  | ND      | ND        | ND      | ND        | ND    | ND  |
| 41  | 1        | 68       | /             | ND                     | ND  | ND      | ND        | ND      | ND        | ND    | ND  |
| 42  | 1        | 69       | 53.1          | ND                     | ND  | ND      | ND        | ND      | ND        | ND    | ND  |
| 43  | 1        | 70       | /             | ND                     | ND  | ND      | ND        | ND      | ND        | ND    | ND  |
| 44  | 1        | 71       | /             | ND                     | ND  | ND      | ND        | ND      | ND        | ND    | ND  |
| 45  | 1        | 72       | /             | ND                     | ND  | ND      | ND        | ND      | ND        | ND    | ND  |
| 46  | 1        | 41       | /             | ND                     | ND  | ND      | ND        | ND      | ND        | ND    | ND  |

### **Specimen Description:**

- 1. White paper label (Sticker)
- 2. White plastic (Egg) (HDPE)
- 3. White felt w/ yellow printing (Egg)
- 4. Brown plastic (Cake plate) (ABS)
- 5. Pink plastic (Cake plate) (ABS)
- 6. White soft plastic (Cake) (Silicone)
- 7. Yellow soft plastic (Cake) (Silicone)
- 8. White plastic (Clip) (POM)
- 9. White felt w/ green, yellow printing (Leaf)
- 10. White felt w/ yellow, orange printing (Lemon)
- 11. White felt w/ green, red, pale green printing (Watermelon)
- 12. White felt w/ red, dark green printing (Strawberry)
- 13. Yellow felt (Potato chip)
- 14. White plush w/ brown printing (Bread)
- 15. Purple felt (Onion)



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#### Specimen Description:

- 16. White tricot w/ green, light green printing w/ green fabric thread (Vegetable)
- 17. White fabric (Sewn-in label)
- 18. Dark yellow felt (Cheese)
- 19. Blue plastic (Fish) (ABS)
- 20. Dark red hook and loop fastener
- 21. Light purple hook and loop fastener (Onion)
- 22. Brown hardboard
- 23. Red plastic (Cake plate) (ABS)
- 24. Cream plywood (Blender base)
- 25. Transparent plastic (Blender) (ABS)
- 26. White plastic (Blender) (ABS)
- 27. Red plastic (Cup) (PP)
- 28. Pink plastic (Fish)
- 29. Silvery plastic (Knife) (ABS)
- 30. Black plastic (Knife handle) (HDPE)
- 31. White felt w/ red, light red printing (Bacon)
- 32. Light yellow felt (Lemon)
- 33. Light brown plush (Drumstick)
- 34. Light brown felt (Drumstick)
- 35. Transparent dry glue
- 36. Silvery plastic (Tool) (HDPE)
- 37. Light silvery plastic (Tool) (PP)
- 38. Dark green soft plastic (Tomato) (EVA)
- 39. Light green felt (Leaf)
- 40. Green woven cord (Elastic cord)
- 41. White rubber core (Elastic cord)
- 42. Red hook and loop fastener (Tomato)
- 43. White hook and loop fastener (Radish)
- 44. Yellow hook and loop fastener (Cheese)



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## Specimen Description:

45. Orange hook and loop fastener (Carrot)

46. Blue plastic (Cake plate) (ABS)

Note: - ppm = parts per million

- $1\% = 10000 \text{ mg/kg} = 10000 \text{ ppm} = 10000 \mu\text{g/g}$
- ND = Not Detected (lower than MDL)
- MDL = Method Detection Limit
- Migration results of eight elements shown are of the adjusted analytical results
- For Soluble Heavy Metal Content & Total Lead Content in composite: The decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.
- The result(s) is (are) calculated using the minimum specimen weight for composite test.
- For Soluble Heavy Metal Content: Result(s) of specimen No.22, No.23 & No.27, No.46 is(are) extracted from report No. T51910311650TY
- Result(s) of specimen No.24 is(are) extracted from report No. T51910302056TY
- Result(s) of specimen No.25, No.28, No.29, No.31-No.34, No.36, No.37, No.39, No.40, No.42, No.44 & No.45 is(are) extracted from report No. T52010250439TC
- Result(s) of specimen No.26 is(are) extracted from report No. T52010271859TY
- Result(s) of specimen No.30, No.38 & No.43 is(are) extracted from report No. T52010290871TY
- Result(s) of specimen No.35 is(are) extracted from report No. T52010241739TY
- Result(s) of specimen No.41 is(are) extracted from report No. T52010241718TY





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## CPSC 16 CFR 1303 - Lead in Paint/Similar Surface Coating Materials

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

| Test Item(s)   | Lead (Pb)    |             |                    |
|--|--------------|-------------|--------------------|
| Permissible Limit (ppm)  | 90           |             |                    |
| Specimen Description   | Alias<br>No. | Tracing No. | Result(s)<br>(ppm) |
| White coating on wood (Egg) w/ Dull brown coating on wood (Logo)   | 5            | 1           | ND                 |
| Light blue coating on wood (Cake) w/ bright dark brown, fuchsia coating on wood (Cake)   | 5            | 2           | ND                 |
| Multi-color coating on wood (Cake) + Red coating on wood (Cake) + Light beige coating on wood (Cake)   | 5            | 3           | ND                 |
| 4. Dark pink coating on wood (Cake) w/ Dark green coating on wood (Leaf) + Orange coating on wood (Cake)                                       | 5            | 4           | ND                 |
| 5. Green coating on wood (Leaf) + Pink coating on wood (Cake) + Brown coating on wood (Cake)   | 5            | 5           | ND                 |
| 6. Army green coating on wood (Fruit) + Yellow-green coating on wood (Fruit) + Dark orange coating on wood (Fruit)                             | 5            | 6           | ND                 |
| 7. Multi-color coating on paper board & paper card (Tray, box) w/ black coating on paper label (Sticker)                                       | 5            | 7           | ND                 |
| 8. Transparent lacquer coating on wood (Blender base) w/ cream coating on wood (Bread)   | 5            | 8           | ND                 |
| Dark brown coating on wood (Steak) + Brick-red coating on wood (Sausage) + Yellow coating on wood (Lemon)                                      | 5            | 9           | ND                 |
| 10. Brown-yellow coating on wood (Bread) w/ Light brown coating on wood (Bread) + Chocolate coating on wood (Ice)                              | 5            | 10          | ND                 |
| 11. White coating on felt (Onion) + White w/ black coating on fabric (Sewn-in label)   | 5            | 11          | ND                 |
| 12. Dark red coating on wood (Meat) w/ pink, white, dark blue coating (Fish)   | 5            | 12          | ND                 |
| 13. Purple coating on wood (Onion) w/ Bright red (Radish) coating on wood  | 5            | 13          | ND                 |
| 14. Transparent lacquer coating w/ light brown coating on wood (Potato) + Transparent lacquer coating w/ cream-yellow coating on wood (Potato) | 5            | 14          | ND                 |



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Note: - ppm = parts per million

- ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit = 10 ppm

-1% = 10000 mg/kg = 10000 ppm

For composite test: The result(s) is (are) calculated using the minimum specimen weight and the
decision rule has prescribed in the regulation or standard, conformity reporting will base on the
standard.

# As specified in Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 tracking labels for children's products.

- Tracking label found on the packaging:

1) Name: Hape

2) Location: Made in China P2022401564 NBCN 09/2020; 2022400963 NBCN 06/2020;

P1922400588 NBCN 07/2019; P1922401098 NBCN 09/2019; P1922401131

NBCN 08/2019; P2022401512 NBCN 09/2020

3) Date: P2022401564 NBCN 09/2020; 2022400963 NBCN 06/2020; P1922400588

NBCN 07/2019; P1922401098 NBCN 09/2019; P1922401131 NBCN

08/2019; P2022401512 NBCN 09/2020

4) Cohort information: P2022401564 NBCN 09/2020; 2022400963 NBCN 06/2020; P1922400588

NBCN 07/2019; P1922401098 NBCN 09/2019; P1922401131 NBCN

08/2019; P2022401512 NBCN 09/2020

- Tracking label found on the product:

1) Name: Hape

2) Location: NBCN 09/2020; NBCN 07/2019; NBCN 0819; P1922401098 NBCN 09/2019

P2022401512 NBCN 09/2020; P1922401131 NBCN 08/2019

3) Date: NBCN 09/2020; NBCN 07/2019; NBCN 0819; P1922401098 NBCN 09/2019

P2022401512 NBCN 09/2020; P1922401131 NBCN 08/2019

4) Cohort information: NBCN 09/2020; NBCN 07/2019; NBCN 0819; P1922401098 NBCN 09/2019

P2022401512 NBCN 09/2020; P1922401131 NBCN 08/2019

Note: The tracking label assessment was based on the submitted samples and the information provided by the applicant. There was no verification on the validity of such information.



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\*\*Attention:To check the authenticity of testing in pages for the certificate of certificate and certificate uses the except of the subsenticity of testing in pages contact use at telephone (86-755) 830



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## **CPSIA - Lead in Paint/Similar Surface Coating Materials**

Method: With reference to CPSC-CH-E1003-09.1 - Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings

| Test Item(s)   | Lead (Pb)          |    |    |
|--|--------------------|----|----|
| Permissible Limit (ppm)  | 90                 |    |    |
| Client's Limit (ppm)   | 40                 |    |    |
| Specimen Description   | Result(s)<br>(ppm) |    |    |
| White coating on wood (Egg) w/ Dull brown coating on wood (Logo)   | 7                  | 1  | ND |
| 2. Light blue coating on wood (Cake) w/ bright dark brown, fuchsia coating on wood (Cake)  | 7                  | 2  | ND |
| Multi-color coating on wood (Cake) + Red coating on wood (Cake) + Light beige coating on wood (Cake)   | 7                  | 3  | ND |
| 4. Dark pink coating on wood (Cake) w/ Dark green coating on wood (Leaf) + Orange coating on wood (Cake)                                       | 7                  | 4  | ND |
| 5. Green coating on wood (Leaf) + Pink coating on wood (Cake) + Brown coating on wood (Cake)   | 7                  | 5  | ND |
| <ol><li>Army green coating on wood (Fruit) + Yellow-green coating on<br/>wood (Fruit) + Dark orange coating on wood (Fruit)</li></ol>          | 7                  | 6  | ND |
| 7. Multi-color coating on paper board & paper card (Tray, box) w/ black coating on paper label (Sticker)                                       | 7                  | 7  | ND |
| 8. Transparent lacquer coating on wood (Blender base) w/ cream coating on wood (Bread)   | 7                  | 8  | ND |
| Dark brown coating on wood (Steak) + Brick-red coating on wood (Sausage) + Yellow coating on wood (Lemon)                                      | 7                  | 9  | ND |
| <ol> <li>Brown-yellow coating on wood (Bread) w/ Light brown coating<br/>on wood (Bread) + Chocolate coating on wood (Ice)</li> </ol>          | 7                  | 10 | ND |
| 11. White coating on felt (Onion) + White w/ black coating on fabric (Sewn-in label)   | 7                  | 11 | ND |
| <ol><li>Dark red coating on wood (Meat) w/ pink, white, dark blue<br/>coating (Fish)</li></ol>   | 7                  | 12 | ND |
| 13. Purple coating on wood (Onion) w/ Bright red (Radish) coating on wood  | 7                  | 13 | ND |
| 14. Transparent lacquer coating w/ light brown coating on wood (Potato) + Transparent lacquer coating w/ cream-yellow coating on wood (Potato) | 7                  | 14 | ND |



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Note: ppm = parts per million

ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit = 10 ppm

1% = 10000 mg/kg = 10000 ppm

For composite test: The result(s) is (are) calculated using the minimum specimen weight and the decision rule has prescribed in the regulation or standard, conformity reporting will base on the standard.





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### **CPSIA - Lead in Accessible Substrate Materials**

Method (non-metallic materials): With reference to CPSC-CH-E1002-08.3 - Standard Operation Procedure for Determining Total Lead (Pb) in Non-Metal Children Product

Method (metal materials): With reference to CPSC-CH-E1001-08.3 - Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry)

| Test Item(s)   |              |             | Lead (Pb)          |
|--|--------------|-------------|--------------------|
| Permissible Limit **(ppm)  |              |             | 100                |
| Client's Limit (ppm)   |              |             | 40                 |
| Specimen Description   | Alias<br>No. | Tracing No. | Result(s)<br>(ppm) |
| Brown hardboard + Cream plywood (Blender base)   | 6            | 1           | ND                 |
| 2. White plastic (Egg) (HDPE) + Blue plastic (Cake plate) (ABS) + Brown plastic (Cake plate) (ABS)   | 6            | 2           | ND                 |
| 3. Red plastic (Cake plate) (ABS) + Pink plastic (Cake plate) (ABS) + White soft plastic (Cake) (Silicone)   | 6            | 3           | ND                 |
| 4. Yellow soft plastic (Cake) (Silicone) + Transparent plastic (Blender) (ABS)   | 6            | 4           | ND                 |
| 5. White plastic (Blender) (ABS) + White plastic (Clip) (POM) + Red plastic (Cup) (PP)   | 6            | 5           | ND                 |
| 6. White paper label (Sticker) + Blue plastic (Fish) (ABS) + Pink plastic (Fish)   | 6            | 6           | ND                 |
| 7. Silvery plastic (Knife) (ABS) + Black plastic (Knife handle) (HDPE) + Transparent dry glue  | 6            | 7           | ND                 |
| 8. Silvery plastic (Tool) (HDPE) + Light silvery plastic (Tool) (PP)   | 6            | 8           | ND                 |
| Dark green soft plastic (Tomato) (EVA) + White rubber core (Elastic cord)  | 6            | 9           | 17                 |
| 10. White felt w/ yellow printing (Egg) + White felt w/ green, yellow printing (Leaf) + White felt w/ yellow, orange printing (Lemon)                                      | 6            | 10          | ND                 |
| 11. White felt w/ green, red, pale green printing (Watermelon) + White felt w/ red, dark green printing (Strawberry)   | 6            | 11          | ND                 |
| 12. White plush w/ brown printing (Bread) + White felt w/ red, light red printing (Bacon) + White tricot w/ green, light green printing w/ green fabric thread (Vegetable) | 6            | 12          | ND                 |
| 13. Silvery metal big screw (Lid)  | 8            | 1           | ND                 |
| 14. Silvery metal screw (Base)   | 8            | 2           | ND                 |

<sup>\*\*</sup> Permissible Limit applies to a children's product manufactured after 14 August 2011 (Public Law 110-314 (Consumer Product Safety Improvement Act of 2008) and its Amendments Public Law 112-28)



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Note: - ppm = parts per million

- ND = Not Detected (lower than MDL)

- MDL = Method Detection Limit = 10 ppm

-1% = 10000 mg/kg = 10000 ppm

For composite test: The result(s) is (are) calculated using the minimum specimen weight and the
decision rule has prescribed in the regulation or standard, conformity reporting will base on the
standard.

#### 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 statement of conformity has considered the decision rule based on the Guarded acceptance (8.3.2 of ISO/IEC GUIDE 98-4:2012). When the measured value falls within the guard band, only the test data and measurement uncertainty will be reported. The guard band is equal to the expanded measurement uncertainty with a 95% coverage probability(k=2), w = U<sub>95</sub>. The Probability of False Accept and the Probability of False Reject of the decision rule are 2.5%.

For Upper Tolerance Limit (T<sub>U</sub>):

Pass - when the measurement result is below  $T_{U}\text{-}U_{95}$ 

Fail - when the measurement result is above  $T_U + U_{95}$ 

Inconclusive - when the measurement result is falling in guard band [T<sub>U</sub>-U<sub>95</sub>, T<sub>U</sub>+U<sub>95</sub>]

For Lower Tolerance Limit (T<sub>L</sub>):

Pass - when the measurement result is above TL+U95

Fail - when the measurement result is below  $T_L\text{-}U_{95}$ 

Inconclusive - when the measurement result is falling in guard band [T<sub>L</sub>-U<sub>95</sub>, T<sub>L</sub>+U<sub>95</sub>]



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