

GUANGDONG WONDER TESTING INTERNATIONAL CO., LTD.

TEST REPORT

Report No.: WDX22100741ENR1-1 Applicant: NINGBO DIRECT EDUCATION RESOURCES MANUFACTURING CO.,LTD Address: Room 1509#, Titan Building, No.535 Tiantong south road, Yinzhou district, NingBo Date: Nov. 04, 2022

GUANGDONG WONDER TESTING INTERNATIONAL CO., LTD.

Floor 6, No.14,Gaoxin Road, Huadu District, Guangzhou City,Guangdong Province, China, 510820E-mail: wd@wdwonder.comTel: 86-020-8689 0001Fax: 86-020-8689 6998Website: http://www.wdwonder.com

VNC



Report No.: WDX22100741ENR1-1 Nov. 04, 2022 Page: 1 / 7 Date: NINGBO DIRECT EDUCATION RESOURCES MANUFACTURING CO., LTD **Applicant:** Address: Room 1509#, Titan Building, No.535 Tiantong south road, Yinzhou district, NingBo The following merchandise was (were) submitted and identified by client as: Sample Name: Wooden Dough Stampers Wooden Rolling pins Wooden Egg Cups Number of Sample: 8pcs AP/597/WPCS Style of Sample: AP/330/WRP AP/782/WSC **Applicant's Specified** 2+ **Testing Age Group: Tested Age Grading:** 2+ Sample Received Date: Oct. 24, 2022 **Completed Date:** Nov. 03, 2022

Test Result(s): Please refer to next page(s).

Test Requested and Conclusion(s):

| No | o. Test Sample(s) | Standard(s) and Requirement(s) | Conclusion(s) | Signed by |
|----|---------------------------------------|---|---------------|-----------|
| 1 | Submitted sample | EN 71-1:2014+A1:2018 - Physical and Mechanical Properties (See the next page for specific sections) | PASS | 8 42 |
| 2 | Submitted sample | EN 71-2:2020 - Flammability | PASS | Juna Way |
| З | Tested materials of submitted samples | EN 71-3:2019+A1:2021 - Migration of certain elements (Category III) | PASS | Andy zhu |

Floor 6, No.14, Gaoxin Road, Huadu District, Guangzhou City, Guangdong Province, China, 510820 E-mail: wd@wdwonder.com Tel: 86-020-8689 0001 Fax: 86-020-8689 6998 Website: http://www.wdwonder.com

VVOI



Date:

Report No.: WDX22100741ENR1-1 Nov. 04, 2022

Page: 2 / 7

N/N

VVOI

| | R | Conclusion(s) | | | |
|------------|--|---------------|--|--|--|
| Section(s) | Test Item(s) | 4 | | | |
| 4 | Safety requirements | PASS | | | |
| 4.1 | Material quality | PASS | | | |
| 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 | PASS | | | |
| 4.8 | Points and Metallic Wires | PASS | | | |
| 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 | Cords of Toy Kites and Other Flying Toys | NA | | | |
| 4.14 | Enclosures | NA | | | |
| 4.15 | Toys intended to bear the mass of a child | NA | | | |
| 4.16 | Heavy immobile toys | NA NA | | | |
| 4.17 | Projectiles | NA | | | |
| 4.18 | Aquatic Toys And Inflatable Toys | NA | | | |
| 4.19 | Percussion caps specifically designed for use in toys and toys using 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 | | | |
| 4.26 | Toy Disguise Costumes | NA | | | |
| 4.27 | Flying toys | NA | | | |
| 5 | Toys intended for children under 36 months (Washing/ Cleaning instruction) | PASS | | | |
| 5.1 | General Requirements | PASS | | | |
| 5.2 | Soft-filled Toys And Soft-filled Parts of a Toy NA | | | | |



Report No.: WDX22100741ENR1-1

Date:

Nov. 04, 2022

Page: 3 / 7

VVC

| Section(s) | Test Item(s) | Conclusion(s) | | | | |
|------------|---|---------------|--|--|--|--|
| Section(S) | rest item(s) | 4 | | | | |
| 5.3 | Plastic Sheeting | NA | | | | |
| 5.4 | Cords, chains and electrical cables in toys | NA | | | | |
| 5.5 | Liquid-Filled Toys | | | | | |
| 5.6 | Speed limitation of electrically driven ride-on toys | | | | | |
| 5.7 | Glass and Porcelain | | | | | |
| 5.8 | Shape and Size of certain Toys | | | | | |
| 5.9 | Toys comprising Monofilament Fibres | | | | | |
| 5.10 | Small balls | | | | | |
| 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 | NR* | | | | |
| 7 | Warnings, markings and Instructions for use | NA | | | | |
| 7.1 | General | | | | | |
| 7.2 | Toys not intended for children under 36 months | | | | | |
| 7.3 | Latex balloons | | | | | |
| 7.4 | Aquatic Toys | | | | | |
| 7.5 | Functional Toys | NA | | | | |
| 7.6 | Hazardous sharp Functional Edges and Points | NA | | | | |
| 7.7 | Projectiles | NA | | | | |
| 7.8 | Imitation protective masks and helmets | NA | | | | |
| 7.9 | Toy Kites | | | | | |
| 7.10 | Roller skates, inline skates, skateboards and certain other ride-on toys | | | | | |
| 7.11 | Toys intended to be attached to or strung across a cradle, cot, or perambulator | | | | | |
| 7.12 | Liquid-filled teethers | NA | | | | |
| 7.13 | Percussion caps specifically designed for use in toys | | | | | |
| 7.14 | Acoustics | NA | | | | |
| 7.15 | Toy bicycles | 2 NA | | | | |
| 7.16 | Toys intended to bear the mass of a child | NA | | | | |
| 7.17 | Toys comprising monofilament fibres | NA | | | | |
| 7.18 | Toy scooters | NA | | | | |



Report No.: WDX22100741ENR1-1 Date:

Nov. 04, 2022

Page: 4 / 7

WO

| Section(s) | Test Item(s) | Conclusion(s) | |
|------------|---|---------------|--|
| | 2 | 4 | |
| 7.19 | Rocking horses and similar toys | NA | |
| 7.20 | Magnetic/ electrical experimental sets | NA | |
| 7.21 | Toys with electrical cables exceeding 300 mm in length | NA | |
| 7.22 | Toys with cords or chains intended for children of 18 months and over | NA | |
| 1.22 | but under 36 months | | |
| 7.23 | Toys intended to be attached to a cradle, cot or perambulator | NA | |
| 7.24 | Sledges with cords for pulling | NA | |
| 7.25 | Flying toys | NA | |
| 7.26 | Improvised projectiles | NA | |

Note: The test age group of the sample is specified by client.

Use and Abuse Tests

| Section(s) | Test Item(s) | Test Parameter(s) |
|------------|--------------|-------------------|
| 8.3 | Torque test | 0.34N.m 10s |
| 8.4 | Tension test | 90N 10s |
| 8.5 | Drop test | 5×850mm |

Test Result(s):

| 0 | | Assessment(s) | |
|------------|---|---------------|--|
| Section(s) | Test Item(s) | 4 | |
| 4.1 | General requirements | 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 | |

GUANGDONG WONDER TESTING INTERNATIONAL CO., LTD.



Date:

Report No.: WDX22100741ENR1-1

Nov. 04, 2022

Page: 5 / 7

VVOI

Test Result(s):

EN 71-3:2019+A1:2021 - Migration of Certain Elements (Category III)

<u>Method:</u> General elements, with reference to EN 71-3:2019+A1:2021, analyzed by ICP-OES /ICP-MS;

Chromium(VI), with reference to EN 71-3:2019+A1:2021, analyzed by LC-ICP-MS;

Organic tin, with reference to EN 71-3:2019+A1:2021, analyzed by GC-MS.

| - | | | | Re | esult(s)(mg/kg) | |
|----------|----------------------------|---------------|------------------|------|-----------------|------|
| les | st Element(s) | RL(mg/kg) | Limit(s) (mg/kg) | 1 | 2 | 3 |
| | Lead (Pb) | 0.2 | 23 | ND | 0.2 | ND |
| Ar | ntimony (Sb) | 2 | 560 | ND | ND | ND |
| A | Arsenic (As) | 0.5 | 47 | ND | ND | ND |
| E | Barium (Ba) | 50 | 18750 | ND | ND | ND |
| Se | elenium (Se) | 5 | 460 | ND | ND | ND |
| Ca | admium (Cd) | 0.2 | 17 | ND | ND | ND |
| M | lercury (Hg) | 1 | 94 | ND | ND | ND |
| C | Chromium # | 0.2 | | ND | ND | ND |
| Ch | nromium(III) ^{#1} | 0.2 | 460 | ND | ND | ND |
| Cł | hromium(VI) | 0.005 | 0.053 | ND | ND | ND |
| <u> </u> | Nickel (Ni) | 10 | 930 | ND | ND | ND |
| | Tin (Sn) | 0.2 | 180000 | ND | 0.2 | ND |
| С | Drganic tin ^{#2} | 0.2 | 12 | ND | ND | ND |
| Alu | uminum (AI) ^{#3} | 50 | 28130 | ND | ND | ND |
| С | Copper (Cu) | 50 | 7700 | ND | ND | ND |
| (| Cobalt (Co) | 2 | 130 | ND | ND | ND |
| | Boron (B) | 50 | 15000 | ND | ND | ND |
| Mar | nganese (Mn) | 50 | 15000 | ND | 218 | ND |
| St | trontium (Sr) | 50 | 56000 | ND | ND | ND |
| | Zinc (Zn) | 50 | 46000 | ND | ND | ND |
| Dr | | Conclusion(s) | | PASS | PASS | PASS |

GUANGDONG WONDER TESTING INTERNATIONAL CO., LTD.



Date:

Report No.: WDX22100741ENR1-1

Nov. 04, 2022

Page: 6 / 7

- **Note:** 1. "#" = If the migration of total Chromium is below the maximum limit for Chromium (VI), it can be inferred that the material complies with the requirements for both Chromium(III) and Chromium(VI).
 - 2. "#1" = In particular Chromium (III) is calculated by subtracting the Chromium (VI) concentration from the total chromium concentration.
 - 3. "#2" = The migration of organic tin is expressed as tributyltin.
 - 4. "#3" = The migration limits for Aluminum have been amended by Commission Directive (EU) 2019/1922. The new limit values (2250 mg/kg, 560 mg/kg and 28130 mg/kg, respectively) apply from 2021-05-20. Before this date the limit values 5625 mg/kg, 1406 mg/kg and 70000 mg/kg, respectively, apply.
- Remark :

mg/kg = milligram per kilogram(ppm).

- 2. ND = Not Detected (< RL).
- 3. RL = Report Limit.
- 4. NA = Not Applicable.
- 5. NR = Not Requested.
- 6. "*" = Per client's requirement, the clause was not evaluated.
- 7. "--" = Not Regulated.
- 8. As per client's request, only the appointed points and items have been tested.
- 9. WDX22100741EN is replaced by this report.

Test Material List

| Material No. | Description(s) | Location(s) |
|--------------|--------------------|-------------|
| 1 | Beige wood | Body |
| 2 | Creamy white wood | Body |
| 3 | Natural color wood | Body |
| 4 | Wooden toy series | Overall |

GUANGDONG WONDER TESTING INTERNATIONAL CO., LTD.



Report No.: WDX22100741ENR1-1

Date: No

Nov. 04, 2022

Page: 7 / 7

vvor

Photo(s) of Sample(s):





Report Remark

- 1. The company guarantees the scientificity, impartiality and accuracy, is responsible for test data, and keeps confidential for the samples and technical data provided.
- 2. The information of the samples submitted for inspection is provided by applicant, and the company is not responsible for its authenticity or integrity.
- 3. The results shown in this report refer only to the sample(s) submitted.
- 4. This report is invalid without signature of approver, is invalid if not affixed with Authorized Stamp of Test and Paging Seal. The data/results in reports without an CMA stamp ,all or part of items of this report are not in the accredited scope of CMA cannot be as domestic social impartiality proof data. It can only used for research and development, teaching, internal quality control, and only for internal reference.
- 5. Any unauthorized reproduced in part, Any way of piracy, alteration forgery of this report is unlawful.
- 6. If there are any questions about the report, please contact us.
- Any dispute of this report must be raised to the center within 10 workdays since the date of receipt, or it will not be accepted.
- 8. For samples with unstable performance, re-inspection will not be accepted.

CONTACT US

Company Name: GUANGDONG WONDER TESTING INTERNATIONAL CO., LTD. Contact Address: Floor 6, No.14, Gaoxin Road, Huadu District, Guangzhou City, Guangdong Province, China

Tel: Fax: Post Code: Website: 86-020-8689 0001 86-020-8689 6998

510820

http://www.wdwonder.com



GUANGDONG WONDER TESTING INTERNATIONAL CO., LTD.