

# Test Report

**Report No.:** NB2025045470

**Date:** May 6, 2025

Page:1/14

**Applicant:** Nobility Inc

**Address:** 251 Little Falls Drive, Wilmington, Delaware, United States, 19808

The following merchandise were submitted and identified by the clients as:

Sample Name: SainSmart Jr. Wooden Train Toys  
Model No.: 808-20-337,808-20-A07,808-20-A06,808-20-A10,808-20-A15,808-20-T12,  
808-20-T10  
Country of Origin: China  
Exported to: Europe  
Trade: SainSmart Jr.  
Applicant's specified age group for testing: 3 Y+  
Testing Age Grading: For ages over 3 years  
Testing Age Grading: 3+ for ages

The following information were confirmed by the laboratory:

Sample Receiving Date: April 27, 2025  
Testing Period: From April 27, 2025 to May 6, 2025  
Test Results: Please refer to next pages

## Summary of test results

Test Requested		Conclusion
1	Mechanical and Physical Properties - EN 71-1: 2014+A1: 2018, Safety of toys	PASS
2	Labeling requirement(Directive 2009/48/EC)-EN 71-1: 2014+A1: 2018	PASS
3	Flammability requirements - EN 71-2: 2020, Safety of toys	PASS
4	Migration of Certain Elements - EN 71-3:2019+A2:2024, Safety of toys	PASS

Remark: Tested part(s) was/were specified by client.

Signed for and on behalf of Guangdong NewBest Testing Service Co., Ltd.

Approved by:



Manager

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with "\*" means they are not accredited by CNAS, "s" means the item of subcontractor, "\*\*" means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province

# Test Report

Report No.: NB2025045470

Date: May 6, 2025

Page:2/14

## Test results:

### Tested part(s) description:

Test Item(s)	Description	Location
I001	White/grey paper board with multicolor coating	Puzzle
I002	Green plastic	Rockery
I003	Red plastic	Roof
I004	White plastic	Warning board
I005	Red plastic	Warning board
I006	Beige plastic	Warning board
I007	Blue/beige/yellow/white coating	Surface of fiberboard
I008	Brown fiberboard	Fiberboard
I009	Green coating	Surface of tree
I010	Light green coating	Surface of tree
I011	Yellow coating	Surface of train
I012	Blue plastic	Wheel
I013	Natural wood	Track

## 1. Mechanical and Physical Properties - EN 71-1: 2014+A1: 2018, Safety of toys

Section	Testing Items	Assessment
4	General requirements	
4.1	Material cleanliness	M
4.2	Assembly	N/A
4.3	Flexible plastic sheeting	N/A
4.4	Toy bags	N/A
4.5	Glass	N/A
4.6	Expanding materials	N/A
4.7	Edges	M
4.8	Points and metallic wires	M
4.9	Protruding parts	M
4.10	Parts moving against each other	N/A
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	N/A
4.12	Balloons	N/A
4.13	Cords of toy kites and other flying toys	N/A

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with "\*" means they are not accredited by CNAS, "s" means the item of subcontractor, "ns" means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province

# Test Report

Report No.: NB2025045470

Date: May 6, 2025

Page:3/14

Section	Testing Items	Assessment
4.14	Enclosures	N/A
4.15	Toys intended to bear the mass of a child	N/A
4.16	Heavy immobile toys	N/A
4.17	Projectiles	N/A
4.18	Aquatic toys and inflatable toys	N/A
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	N/A
4.20	Acoustics	N/A
4.21	Toys containing a non-electrical heat source	N/A
4.22	Small balls	N/A
4.23	Magnets	M
4.24	Yo-yo balls	N/A
4.25	Toys attached to food	N/A
4.26	Toy disguise costumes	N/A
4.27	Flying toys	N/A
5	Toys intended for children under 36 months	N/A
5.1	General requirements	N/A
5.1a	Small parts – as received	N/A
5.1b	Small parts, sharp points, sharp edges – after tests	N/A
5.1c	Cross section <2mm metal points & wires	N/A
5.1d	Large and bulky toys	N/A
5.1e	Glued wooden toys and toys with glued-on plastic decals	N/A
5.1f	The casing of toys	N/A
5.2	Soft-filled toys and soft-filled parts of toy	N/A
5.3	Plastic sheeting	N/A
5.4	Cords, chains and electrical cables in toys	N/A
5.5	Liquid-filled toys	N/A
5.6	Speed limitation of electrically-driven ride-on toys	N/A
5.7	Glass and porcelain	N/A
5.8	Shape and size of certain toys	N/A
5.9	Toys comprising monofilament fibers	N/A
5.10	Small balls	N/A
5.11	Play figures	N/A
5.12	Hemispheric-shaped toys	N/A

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with “#” means they are not accredited by CNAS, “s” means the item of subcontractor, “\*” means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province

# Test Report

Report No.: NB2025045470

Date: May 6, 2025

Page:4/14

Section	Testing Items	Assessment
5.13	Suction cups	N/A
5.14	Straps intended to be worn fully or partially around the neck	N/A
5.15	Sledges with cords for pulling	N/A
6	Packaging	M
7	Warnings, markings and instructions for use	
7.1	General	M
7.2	Toys not intended for children under 36 months	M
7.3	Latex balloons	N/A
7.4	Aquatic toys	N/A
7.5	Functional toys	N/A
7.6	Hazardous sharp functional edges and points	N/A
7.7	Projectiles	N/A
7.8	Imitation protective masks and helmets	N/A
7.9	Toy kites	N/A
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	N/A
7.11	Toys intended to be attached to or strung across a cradle, cot, or perambulator	N/A
7.12	Liquids-filled teethingers	N/A
7.13	Percussion caps specifically designed for use in toys	N/A
7.14	Acoustics	N/A
7.15	Toy bicycles	N/A
7.16	Toys intended to bear the mass of a child	N/A
7.17	Toys comprising monofilament fibres	N/A
7.18	Toy scooters	N/A
7.19	Rocking horses and similar toys	N/A
7.20	Magnetic/electrical experimental sets	N/A
7.21	Toys with electrical cables exceeding 300mm in length	N/A
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	N/A
7.23	Toys intended to be attached to a cradle, cot or perambulator	N/A
7.24	Sledges with cords for pulling	N/A
7.25	Flying toys	N/A
7.26	Improvised projectiles	N/A

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with "\*" means they are not accredited by CNAS, "s" means the item of subcontractor, "ns" means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province

# Test Report

Report No.: NB2025045470

Date: May 6, 2025

Page:5/14

**Note:** M = Meet NM = Not meet N/A = Not Applicable NR = Not Requested by the client  
As requested by client, the clause 7 were not evaluation in this report.

The submitted samples were undergone the use and abuse tests in accordance with the EN 71-1: 2014+A1: 2018.

Testing Items	Parameter
Torque test	0.34Nm
Tension test	90N
Drop Test	5×85cm
Impact test	1×1Kg×100mm

**Remark:** Additional information according to the Toy Safety Directives 2009/48/EC requirement.  
These information also appears as a note within the EN71 but are not standard requirements:

## 1. Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompany the toy. In addition, manufacturers shall 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.

## 2. Labeling requirement(Directive 2009/48/EC)-EN 71-1: 2014+A1: 2018

### 2009/48/EC General Labeling Requirement

Requirement	Result
CE Mark	M
Manufacturer/ Importer name and address	M
Product Identification	M

**Note:** M = Meet NM = Not meet N/A = Not Applicable NR = Not Requested by the client

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with "#" means they are not accredited by CNAS, "s" means the item of subcontractor, "\*" means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province

# Test Report

Report No.: NB2025045470

Date: May 6, 2025

Page:6/14

## 3. Flammability requirements - EN 71-2: 2020 Safety of toys

Section	Testing Items	Assessment
4.1	General requirements	M
4.1	Cellulose nitrate	M
4.1	Highly flammable solids	M
4.1	Surface flash on a piled surface	N/A
4.1	Flammable gases,Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	N/A
4.2	Toys to be worn on the head	N/A
4.3	Toy disguise costumes and toys intended to be worn by a child in play	N/A
4.4	Toys intended to be entered by a child	N/A
4.5	Soft-filled toys	N/A

**Note:** M = Meet NM = Not meet N/A = Not Applicable NR = Not Requested by the client

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with "#" means they are not accredited by CNAS, "s" means the item of subcontractor, "\*" means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province

# Test Report

Report No.: NB2025045470

Date: May 6, 2025

Page:7/14

## 4. Migration of Certain Elements - EN 71-3:2019+A2:2024 , Safety of toys

Test Method: EN 71-3:2019+A2:2024

Analyte	Unit	Requirement	MDL	Result				
		Category III		Test Item(s)				
				I001	I002	I003	I004	I005
Aluminium (Al)	mg/kg	28130	5	214	N.D.	N.D.	N.D.	N.D.
Antimony (Sb)	mg/kg	560	5	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	mg/kg	47	5	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	mg/kg	18750	5	N.D.	N.D.	N.D.	N.D.	N.D.
Boron (B)	mg/kg	15000	5	42	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	17	5	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium III (Cr III)	mg/kg	460	0.2	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium VI (Cr VI)	mg/kg	0.053	0.050	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	mg/kg	130	5	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	mg/kg	7700	5	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	mg/kg	23	5	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	mg/kg	15000	5	12	N.D.	N.D.	N.D.	N.D.
Mercury (Hg)	mg/kg	94	5	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	mg/kg	930	5	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium (Se)	mg/kg	460	5	N.D.	N.D.	N.D.	N.D.	N.D.
Strontium (Sr)	mg/kg	56000	5	22	N.D.	N.D.	N.D.	N.D.
Tin (Sn)	mg/kg	180000	5	N.D.	N.D.	N.D.	N.D.	N.D.
Organic tin	mg/kg	12	2.5	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	mg/kg	46000	5	6	N.D.	N.D.	N.D.	N.D.
Conclusion				PASS	PASS	PASS	PASS	PASS

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with "#" means they are not accredited by CNAS, "s" means the item of subcontractor, "\*" means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province

# Test Report

Report No.: NB2025045470

Date: May 6, 2025

Page:8/14

Analyte	Unit	Requirement	MDL	Result				
		Category III		Test Item(s)				
				I006	I007	I008	I009	I010
Aluminium (Al)	mg/kg	28130	5	N.D.	123	153	213	44
Antimony (Sb)	mg/kg	560	5	N.D.	N.D.	N.D.	N.D.	N.D.
Arsenic (As)	mg/kg	47	5	N.D.	N.D.	N.D.	N.D.	N.D.
Barium (Ba)	mg/kg	18750	5	N.D.	47	12	11	30
Boron (B)	mg/kg	15000	5	N.D.	N.D.	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	17	5	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium III (Cr III)	mg/kg	460	0.2	N.D.	N.D.	N.D.	N.D.	N.D.
Chromium VI (Cr VI)	mg/kg	0.053	0.050	N.D.	N.D.	N.D.	N.D.	N.D.
Cobalt (Co)	mg/kg	130	5	N.D.	N.D.	N.D.	N.D.	N.D.
Copper (Cu)	mg/kg	7700	5	N.D.	N.D.	N.D.	N.D.	N.D.
Lead (Pb)	mg/kg	23	5	N.D.	N.D.	N.D.	N.D.	N.D.
Manganese (Mn)	mg/kg	15000	5	N.D.	N.D.	126	24	13
Mercury (Hg)	mg/kg	94	5	N.D.	N.D.	N.D.	N.D.	N.D.
Nickel (Ni)	mg/kg	930	5	N.D.	N.D.	N.D.	N.D.	N.D.
Selenium (Se)	mg/kg	460	5	N.D.	N.D.	N.D.	N.D.	N.D.
Strontium (Sr)	mg/kg	56000	5	N.D.	6	N.D.	N.D.	N.D.
Tin (Sn)	mg/kg	180000	5	N.D.	N.D.	N.D.	N.D.	N.D.
Organic tin	mg/kg	12	2.5	N.D.	N.D.	N.D.	N.D.	N.D.
Zinc (Zn)	mg/kg	46000	5	N.D.	N.D.	8	34	25
Conclusion				PASS	PASS	PASS	PASS	PASS

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with “#” means they are not accredited by CNAS, “s” means the item of subcontractor, “\*” means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province



# Test Report

Report No.: NB2025045470

Date: May 6, 2025

Page:9/14

Analyte	Unit	Requirement	MDL	Result		
		Category III		Test Item(s)		
				I011	I012	I013
Aluminium (Al)	mg/kg	28130	5	135	N.D.	N.D.
Antimony (Sb)	mg/kg	560	5	N.D.	N.D.	N.D.
Arsenic (As)	mg/kg	47	5	N.D.	N.D.	N.D.
Barium (Ba)	mg/kg	18750	5	7	N.D.	10
Boron (B)	mg/kg	15000	5	N.D.	N.D.	N.D.
Cadmium (Cd)	mg/kg	17	5	N.D.	N.D.	N.D.
Chromium III (Cr III)	mg/kg	460	0.2	N.D.	N.D.	N.D.
Chromium VI (Cr VI)	mg/kg	0.053	0.050	N.D.	N.D.	N.D.
Cobalt (Co)	mg/kg	130	5	N.D.	N.D.	N.D.
Copper (Cu)	mg/kg	7700	5	N.D.	N.D.	N.D.
Lead (Pb)	mg/kg	23	5	N.D.	N.D.	N.D.
Manganese (Mn)	mg/kg	15000	5	N.D.	N.D.	125
Mercury (Hg)	mg/kg	94	5	N.D.	N.D.	N.D.
Nickel (Ni)	mg/kg	930	5	N.D.	N.D.	N.D.
Selenium (Se)	mg/kg	460	5	N.D.	N.D.	N.D.
Strontium (Sr)	mg/kg	56000	5	N.D.	N.D.	N.D.
Tin (Sn)	mg/kg	180000	5	N.D.	N.D.	N.D.
Organic tin	mg/kg	12	2.5	N.D.	N.D.	N.D.
Zinc (Zn)	mg/kg	46000	5	41	N.D.	10
Conclusion				PASS	PASS	PASS

Note: N.D.= Not Detected(<MDL)  
mg/kg = milligram per kilogram = ppm = part per million  
MDL= Detection Limit

Remark: Organic tin test were conducted when soluble tin were determinated. 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+A2:2024. Result(s) of organic tin was (were) calculated by assuming the soluble tin content was wholly contributed from tributyltin (TBT) cation.

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with "\*" means they are not accredited by CNAS, "s" means the item of subcontractor, "\*\*" means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province

# Test Report

Report No.: NB2025045470

Date: May 6, 2025

Page:10/14

Disclaimer Measurement Uncertainty:

Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as PASS nor as FAIL.

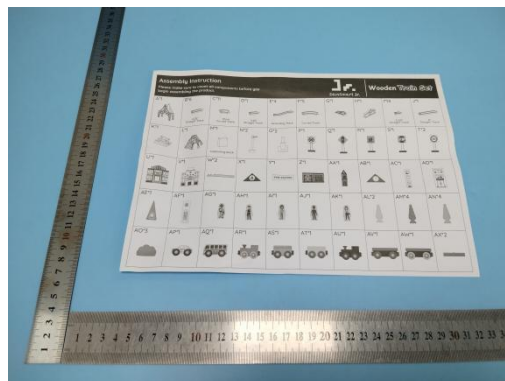
This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with "#" means they are not accredited by CNAS, "s" means the item of subcontractor, "\*" means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province

## Samples photograph



NB2025045470



NB2025045470



NB2025045470



NB2025045470



NB2025045470



NB2025045470

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with “#” means they are not accredited by CNAS, “s” means the item of subcontractor, “\*” means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province



NB2025045470



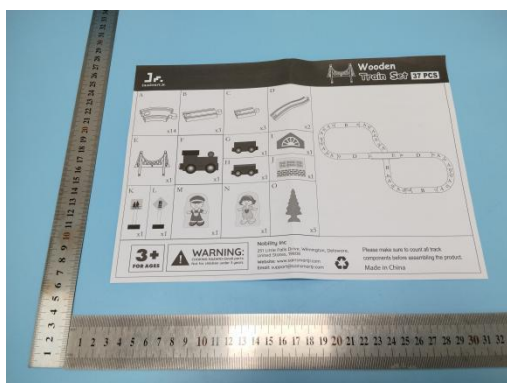
NB2025045470



NB2025045470



NB2025045470



NB2025045470



NB2025045470

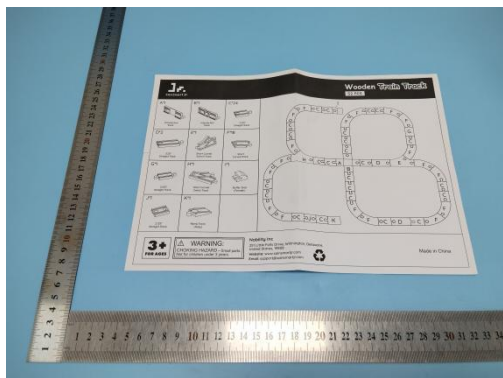
This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with “#” means they are not accredited by CNAS, “s” means the item of subcontractor, “\*” means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province

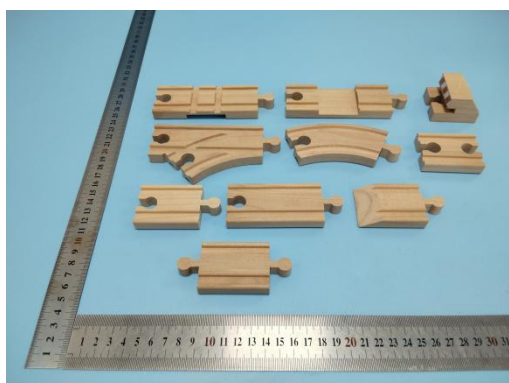




NB2025045470



NB2025045470



NB2025045470



NB2025045470



NB2025045470



NB2025045470

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with “#” means they are not accredited by CNAS, “s” means the item of subcontractor, “\*” means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province



NB2025045470



NB2025045470

NBTS authenticate the photograph on original report only

\*\*\* End of Report \*\*\*

This report cannot be reproduced partly, without prior written permission of Laboratory. Any unauthorized alteration, forgery or falsification of the content of this document is unlawful. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Items marked with “#” means they are not accredited by CNAS, “s” means the item of subcontractor, “\*” means test items was/were not in CMA scope and the result cannot be as social justice proof data.

Room 201, Room 401, Building 11, No.38 Dongke Road, Dongcheng Street, Dongguan City, Guangdong Province