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Date: July 9, 2025

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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. DIY Wooden toys

Model No.: 808-20-M09,808-20-M10,808-20-M11

Exported to: USA

Manufacturer: Dongguan Nobility Industrial Development Co., Ltd.

Manufacturer address: Room 201, Building 19, No.1, Dongke Road, DongCheng Street, Dongguan city, Guangdong Province, China.

Applicant's specified age 3+ years

group for testing:

Testing Age Grading: For ages over 3 years

Labeled age group: For ages 3+

The following information were confirmed by the laboratory:

Sample Receiving Date: July 3, 2025

Testing Period: From July 3, 2025 to July 9, 2025

Test Results: Please refer to next pages

Test Requested

Please refer to the next page

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

Approved by:



Manager

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Summary of test results

Test Requested		Conclusion
1	Mechanical and Physical Properties Requirements -ASTM F963-23, Standard Consumer Safety Specification for Toy Safety	PASS
2	Flammability of Solids Requirement -ASTM F963-23,A5, Standard Consumer Safety Specification for Toy Safety	PASS
3	Sharp Point , Sharp Edge and Small Parts test- U.S. CFR Title 16 (CPSC Regulations) Part 1500.48,1500.49&1501	PASS
4	16 CFR Part 1500.44, Method for determining extremely flammable and flammable solids	PASS
5	CPSIA Tracking Labels for Children's Products	PASS
6	Total Lead Content in Surface Coating - ASTM F963-23, Section 4.3.5.1(1)	PASS
7	Total Lead Content in Substrate - ASTM F963-23, Section 4.3.5.2(2)(a)	PASS
8	Soluble Heavy Metals Content in Substrate - ASTM F963-23, Section 4.3.5.2(2)(b)	PASS
9	Phthalate Content – ASTM F963-23	PASS
10	Total Lead Content in Surface Coating - United States Code of Federal Regulations (CFR), Title 16, Part 1303	PASS
11	Total Lead Content in Surface Coating - United States Consumer Product Safety Improvement Act (CPSIA) of 2008, Section 101(f)	PASS
12	Total Lead Content in Substrate - United States Consumer Product Safety Improvement Act (CPSIA) Section 101(a)(2)	PASS
13	Phthalates Content in Children's Toys and Childcare Articles – Consumer Product Safety Improvement Act (CPSIA) of 2008, Section 108 / 16 CFR part 1307	PASS
14	Total Cadmium Content - Washington Children's Safe Products Act (CSPA) - RCW 70A.430.020	PASS

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

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Test results:

Tested part(s) description:

Test Item(s)	Description	Location	Remark
I001	Silver metal	Long screw	--
I002	Silver metal	Short screw	--
I003	Silver metal	Hook	--
I004	Brown fiber	Brush	--
I005	Silver white metal	Brush	--
I006	Blue plastic	Brush	--
I007	Transparent plastic	Color box	--
I008	Light blue pigment	Pigment	--
I009	Black pigment	Pigment	--
I010	White pigment	Pigment	--
I011	Green pigment	Pigment	--
I012	Blue pigment	Pigment	--
I013	Yellow pigment	Pigment	--
I014	Red pigment	Pigment	--
I015	Apricot plastic	Head	--
I016	Dark red plastic	Upper body	--
I017	Red plastic	Hands	--
I018	Light red plastic	Legs	--
I019	Natural wood	Wood piece	--
I020	Red/black/white/apricot coating	Surface	--
I021	Red coating	Surface	<10 mg/kg
I022	Black coating	Surface	<10 mg/kg
I023	White coating	Surface	<10 mg/kg
I024	Apricot coating	Surface	<10 mg/kg
I025	SainSmart Jr. DIY Wooden toys	--	--

Note: The received sample(s) contained scrapable surface coating material(s) of less than 10 milligrams by weight on one single sample, therefore such coating material(s) was not subject to the soluble heavy metals analysis of ASTM F963-23, "Standard consumer safety specification on toy safety", Section 4.3.5.1(2).

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1. Mechanical and Physical Properties Requirements -ASTM F963-23, Standard Consumer Safety Specification for Toy Safety

Section	Requirement	Result
4	Safety requirements	
4.1	Material Quality	M
4.3	Toxicology	Refer to chemical section
4.3.5	Heavy Elements	M
4.3.5.1	Paint and Similar Surface-Coating Materials	M
4.3.5.2	Toy Substrate Materials	M
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels, Powders, and Items of Avian Feather Origin	N/A
4.3.7	Stuffing Materials	N/A
4.5	Sound-Producing Toys	N/A
4.6	Small Objects	
4.6.1	For children under 36 months	N/A
4.6.2	Mouth-actuated Toys	N/A
4.6.3	For children 36 months and over but under 72 months	M
4.7	Accessible Edges	M
4.8	Projections	N/A
4.9	Accessible Points	M
4.10	Wires and Rods	N/A
4.11	Nails and Fasteners	M
4.12	Plastic Film	M
4.13	Folding Mechanisms and Hinges	N/A
4.14	Cords, Straps and Elastics	N/A
4.15	Stability and Over-Load Requirements	N/A
4.16	Confined Spaces	N/A
4.17	Wheels, Tires, and Axles	N/A
4.18	Holes, Clearances and Accessibility of Mechanisms	M
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A

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Section	Requirement	Result
4.24	Squeeze Toys	N/A
4.25	Battery-Operated Toys	N/A
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.28	Stroller and carriage toys	N/A
4.30	Toy Gun Marking	N/A
4.31	Balloons	N/A
4.32	Certain Toys with Nearly Spherical Ends	N/A
4.33	Marbles	N/A
4.34	Small Balls	N/A
4.35	Pompoms	N/A
4.36	Hemispheric-Shaped Objects	N/A
4.37	Yo Yo Elastic Tether Toys	N/A
4.38	Magnets	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels	N/A
4.40	Expanding Materials	N/A
4.41	Toy chests	N/A
5	Labeling Requirements	M
5.1	Tracking label	M
5.4&5.3	Aquatic Toys	N/A
5.5&5.3	Crib and Playpen Toys	N/A
5.6&5.3	Mobiles	N/A
5.7&5.3	Stroller and Carriage Toys	N/A
5.8&5.3	Toys Intended to be Assembled by an Adult	N/A
5.9&5.3	Simulated Protective Devices	N/A
5.10&5.3	Toys with Functional Sharp Edges or Points	N/A
5.11	Small Objects, Small Balls, Marbles, and Balloons	M
5.12	Art Materials	M
5.13	Electric Toys	N/A
5.14	Battery-operated Toys	N/A
5.14&5.3	Battery operated toys (Toys with non-replaceable batteries)	N/A
5.15	Promotional Materials	M
5.16&5.3	Magnets	N/A

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Section	Requirement	Result
6	Instructional Literature	M
6.1	Definition and Description	M
6.2	Crib and Playpen Toys	N/A
6.3	Mobiles	N/A
6.4&5.3	Toys Intended to be Assembled by and Adult	N/A
6.5	Battery operated toys	N/A
6.6	Battery powered ride-on toys	N/A
6.7	Toys in Contact with Food	N/A
6.8	Toy Chests	N/A
6.9	Electric toy matching tools	N/A
7	Producer's Markings	M
7.1	Name of the producer or the distributor	M
	Address of the producer or the distributor	M
7.2	Battery powered ride on toys	N/A
7.3	Toy chests	N/A
8	Test Methods	
8.5	Normal Use Testing	M
8.5.1	Washable Toys	N/A
8.6	Abuse Testing	M
8.7	Impact Tests	M
8.7.1	Drop Test	M
8.7.2	Tip-over Test for Large, Bulky Toys	N/A
8.7.3	Tumble Test for Wheeled Toys	N/A
8.7.4	Impact Test for Toys that Cover the Face	N/A
8.8	Torque Tests for Removal of Components	M
8.9	Tension Test for Removal of Components	M
8.10	Compression Test	N/A
8.11	Tests for Tire Removal and Snap-in Wheel and Axle Assembly Removal	N/A
8.12	Flexure Test	N/A
8.13	Test Methods for Mouth-actuated Toys and Mouth-actuated Projectile Toys	N/A
8.14	Projectiles	N/A
8.15	Test for Stability of Ride-on Toys or Toy Seats	N/A

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Section	Requirement	Result
8.16	Tension test for pompoms	N/A
8.17	Stalled Motor Test for Battery-operated Toys	N/A
8.18	Tests for Battery-powered Ride-on Toys	N/A
8.19	Test for Toys that Contain Secondary Cells or Batteries	N/A
8.20	Tests for Toys Which Produce Sound	N/A
8.21	Dynamic Strength Test for Wheeled Ride-on Toys	N/A
8.22	Plastic Film Thickness	M
8.23	Test for Loops and Cords	N/A
8.24	Yo Yo Elastic Tether Toy Test Methods	N/A
8.25	Flux Density Measurement	N/A
8.26	Test Methods for Locking Mechanisms or Other Means	N/A
8.27	Tests for Toy Chest Lids and Closures	N/A
8.28	Test for Overload of Ride-On Toys and Toy Seats	N/A
8.29	Stuffing Materials Evaluation	N/A
8.30	Expanding Materials—Test Method	N/A

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

APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the Age Determination Guidelines of the Consumer Product Safety Commission (CPSC); and the ASTM F963-23, "Standard Consumer Safety Specification on Toy Safety". Annex A1

Note : The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.

Note : If the client does not specify an age grade for testing or request Guangdong Newbest Testing Service Co.,Ltd. to determine an appropriate age grade, the labeled age grade will be used for testing.

The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations:

Testing Items	FHSA	Parameter
Drop Test	Section 1500.53(b)	4×3.0 ft
Torque Test	Section 1500.53(e)	4.0 inch ·lbf
Tension Test	Section 1500.53(f)	15 lbf

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2. Flammability of Solids Requirement -ASTM F963-23,A5, Standard Consumer Safety Specification for Toy Safety

Test Method: Federal Hazardous Substances Act (FHSA) 16 CFR 1500.44

Test Item	Result	Requirement	Conclusion
I025	Most rapid burn rate is less than 0.1 in./s	Burn rate should not be greater than 0.1 in/sec.	PASS

- Note:**
- 1.DNI = Did not ignite.
 - 2.IBE = Ignited but self-extinguished before burn-rate could be determined.
 - 3.In accordance with the FHSA 16 CFR 1500.3 (C) (6) (vi), the burning rate should not be greater than 0.1 in/sec.
 - 4.The burn rate of all samples is greater than 0.1 in. /s (2.5 mm/s) but less than 0.15 in. /s (3.75 mm/s), accept and consider further investigation for action to improve performance.
 - 5.All styles of the submitted toy samples (and its accessories) was/were tested, the above result only showed the most severe burn rate of the samples.

3. Sharp Point , Sharp Edge and Small Parts test- U.S. CFR Title 16 (CPSC Regulations) Part 1500.48,1500.49&1501

Part	Requirement	Result
16 CFR 1501	Small Parts	N/A
16 CFR 1500.49	Sharp Edges	M
16 CFR 1500.48	Sharp Points	M

- Note:**
1. M = Meet NM = Not meet N/A = Not Applicable
 2. 16 CFR 1501 Small part test does not apply to toys or articles which are solely intended for use by children 3 years of age or older.

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The submitted samples were undergone the use and abuse tests in accordance with the Federal Hazardous Substances Act (FHSA), Title 16, Code of Federal Regulations:

Testing Items	FHSA	Parameter
Drop Test	Section 1500.53(b)	4×3.0 ft
Torque Test	Section 1500.53(e)	4.0 inch·lbf
Tension Test	Section 1500.53(f)	15 lbf

4. 16 CFR Part 1500.44. Method for determining extremely flammable and flammable solids

Requirement	Test Method Reference	Findings
Burn rate no greater than 0.1 of an inch per second	16 CFR 1500.44	Most rapid burn rate is less than 0.1 in./s

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5. CPSIA Tracking Labels for Children's Products

Test Method: As specified in Consumer Product Safety Improvement Act (CPSIA) of 2008 Section 103

Tracking label on the product

Requirement	Result
Name of the manufacture or the name of the private labeler.	Present
Manufacture location, including the name of the city and country, or the name of other means of coding of city and state.	Present
Date of the production of the product, in a form of Month/ Year or any other coding system.	Present
The cohort information (including the batch, run number, or other identifying characteristic.	Present
Permanent remark	Present

Tracking label on the packaging

Requirement	Result
Name of the manufacture or the name of the private labeler.	Present
Manufacture location, including the name of the city and country, or the name of other means of coding of city and state.	Present
Date of the production of the product, in a form of Month/ Year or any other coding system.	Present
The cohort information (including the batch, run number, or other identifying characteristic.	Present
Permanent remark	Present

Note: The tracking label assessment was based on the submitted samples and the information provided or not provided by the applicant. There is no verification on the validity of such information.

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6. Total Lead Content in Surface Coating - ASTM F963-23, Section 4.3.5.1(1)

Test Method: ASTM F963-23 Section 8.3.1, Analyzed by Inductively Coupled Plasma Optical Emission Spectrometry or Atomic Absorption Spectrometry.

Limit	90 mg/kg	
Test Item(s)	Result (mg/kg)	Conclusion
I020	43	PASS

Note: N.D.= Not Detected(<MDL)
 mg/kg = milligram per kilogram = ppm = part per million
 MDL= Detection Limit (mg/kg): 10

7. Total Lead Content in Substrate - ASTM F963-23, Section 4.3.5.2(2)(a)

Test Method: ASTM F963-23 Section 8.3.1, Analyzed by Inductively Coupled Plasma Optical Emission Spectrometry or Atomic Absorption Spectrometry.

Limit	100 mg/kg	
Test Item(s)	Result (mg/kg)	Conclusion
I001+I002+I003	N.D.	PASS
I004+I006+I007	N.D.	PASS
I008+I009+I010	14	PASS

Note: N.D.= Not Detected(<MDL)
 mg/kg = milligram per kilogram = ppm = part per million
 MDL= Detection Limit (mg/kg): 10
 Results shown are of the total weight of mixed samples.

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8. Soluble Heavy Metals Content in Substrate - ASTM F963-23, Section 4.3.5.2(2)(b)

Test Method: ASTM F963-23, Section 8.3.5 (Excluding 8.3.5.5(3)), Analyzed by Inductively Coupled Plasma Optical Emission Spectrometry.

Analyte	Result (mg/kg)			Limit (mg/kg)
	Test Item(s)			
	I006	I014	I015	
Soluble Arsenic (As)	N.D.	N.D.	N.D.	25
Soluble Barium (Ba)	N.D.	N.D.	N.D.	1000
Soluble Cadmium (Cd)	N.D.	N.D.	N.D.	75
Soluble Chromium (Cr)	N.D.	N.D.	N.D.	60
Soluble Mercury (Hg)	N.D.	N.D.	N.D.	60
Soluble Lead (Pb)	N.D.	N.D.	N.D.	90
Soluble Antimony (Sb)	N.D.	N.D.	N.D.	60
Soluble Selenium (Se)	N.D.	N.D.	N.D.	500
Conclusion	PASS	PASS	PASS	--

Analyte	Result (mg/kg)		Limit (mg/kg)
	Test Item(s)		
	I018	I019	
Soluble Arsenic (As)	N.D.	N.D.	25
Soluble Barium (Ba)	N.D.	N.D.	1000
Soluble Cadmium (Cd)	N.D.	N.D.	75
Soluble Chromium (Cr)	N.D.	N.D.	60
Soluble Mercury (Hg)	N.D.	N.D.	60
Soluble Lead (Pb)	N.D.	N.D.	90
Soluble Antimony (Sb)	N.D.	N.D.	60
Soluble Selenium (Se)	N.D.	N.D.	500
Conclusion	PASS	PASS	--

Note: N.D.= Not Detected(<MDL)
 mg/kg = milligram per kilogram = ppm = part per million
 MDL= Detection Limit (mg/kg): 5

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9. Phthalate Content – ASTM F963-23

Test Method: CPSC-CH-C1001-09.4, Analyzed by Gas Chromatography-Mass Spectrometer.

Analyte	Requirement (%, w/w)	Result (%, w/w)	
		Test Item(s)	
		I011+I012+I013	I015+I016+I017
Di-(2-ethylhexyl) phthalate (DEHP)	0.1	N.D.	N.D.
Dibutyl phthalate (DBP)	0.1	N.D.	N.D.
Benzylbutyl phthalate (BBP)	0.1	N.D.	N.D.
Di-iso-butyl phthalate (DINP)	0.1	N.D.	N.D.
Di-iso-butyl phthalate (DIBP)	0.1	N.D.	N.D.
Di-n-pentyl phthalate (DPENP/DnPP)	0.1	N.D.	N.D.
Di-n-hexyl phthalate (DHEXP/DnHP)	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	0.1	N.D.	N.D.
Conclusion	--	PASS	PASS

Note: N.D. = Not detected(<MDL)

MDL= Detection Limit: 0.005%

mg/kg = milligram per kilogram = ppm = part per million

10000 mg/kg = 1 %

Results shown are of the total weight of mixed samples.

10. Total Lead Content in Surface Coating - United States Code of Federal Regulations (CFR), Title 16, Part 1303

Test Method: CPSC-CH-E1003-09.1, Analyzed by Inductively Coupled Plasma Optical Emission Spectrometry or Atomic Absorption Spectrometry.

Limit	90 mg/kg	
Test Item(s)	Result (mg/kg)	Conclusion
I020	43	PASS

Note: N.D.= Not Detected(<MDL)

mg/kg = milligram per kilogram = ppm = part per million

MDL= Detection Limit (mg/kg): 10

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11. Total Lead Content in Surface Coating - United States Consumer Product Safety Improvement Act (CPSIA) of 2008, Section 101(f)

Test Method: CPSC-CH-E1003-09.1, Analyzed by Inductively Coupled Plasma Optical Emission Spectrometry or Atomic Absorption Spectrometry.

Limit	90 mg/kg	
Test Item(s)	Result (mg/kg)	Conclusion
I020	43	PASS

Note: N.D.= Not Detected(<MDL)
mg/kg = milligram per kilogram = ppm = part per million
MDL= Detection Limit (mg/kg): 10

12. Total Lead Content in Substrate - United States Consumer Product Safety Improvement Act (CPSIA) Section 101(a)(2)

Test Method: CPSC-CH-E1001-08.3 or CPSC-CH-E1002-08.3 , Analyzed by Inductively Coupled Plasma Optical Emission Spectrometry or Atomic Absorption Spectrometry.

Limit	100 mg/kg	
Test Item(s)	Result (mg/kg)	Conclusion
I001+I002+I003	N.D.	PASS
I004+I006+I007	N.D.	PASS
I008+I009+I010	14	PASS

Note: N.D.= Not Detected(<MDL)
mg/kg = milligram per kilogram = ppm = part per million
MDL= Detection Limit (mg/kg): 10
Results shown are of the total weight of mixed samples.

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13. Phthalates Content in Children's Toys and Childcare Articles – Consumer Product Safety Improvement Act (CPSIA) of 2008, Section 108 / 16 CFR part 1307

Test Method: CPSC-CH-C1001-09.4, Analyzed by Gas Chromatography-Mass Spectrometer.

Analyte	Requirement (%, w/w)	Result (%, w/w)	
		Test Item(s)	
		I011+I012+I013	I015+I016+I017
Di-(2-ethylhexyl) phthalate (DEHP)	0.1	N.D.	N.D.
Dibutyl phthalate (DBP)	0.1	N.D.	N.D.
Benzylbutyl phthalate (BBP)	0.1	N.D.	N.D.
Di-iso-butyl phthalate (DINP)	0.1	N.D.	N.D.
Di-iso-butyl phthalate (DIBP)	0.1	N.D.	N.D.
Di-n-pentyl phthalate (DPENP/DnPP)	0.1	N.D.	N.D.
Di-n-hexyl phthalate (DHEXP/DnHP)	0.1	N.D.	N.D.
Dicyclohexyl phthalate (DCHP)	0.1	N.D.	N.D.
Conclusion	--	PASS	PASS

Note: N.D. = Not detected(<MDL) MDL= Detection Limit: 0.005%
 mg/kg = milligram per kilogram = ppm = part per million
 10000 mg/kg = 1 %
 Results shown are of the total weight of mixed samples.

14. Total Cadmium Content - Washington Children's Safe Products Act (CSPA) - RCW 70A.430.020#

Test Method: With reference to CPSC-CH-E1002-08.3 or CPSC-CH-E1003-09.1, Analyzed by Inductively Coupled Plasma Optical Emission Spectrometry or Atomic Absorption Spectrometry.

Limit	40 mg/kg	
Test Item(s)	Result (mg/kg)	Conclusion
I004+I006+I007	N.D.	PASS
I005	N.D.	PASS
I008+I009+I010	N.D.	PASS

Note: N.D.= Not Detected(<MDL)
 mg/kg = milligram per kilogram = ppm = part per million
 MDL= Detection Limit (mg/kg): 10
 Results shown are of the total weight of mixed samples.

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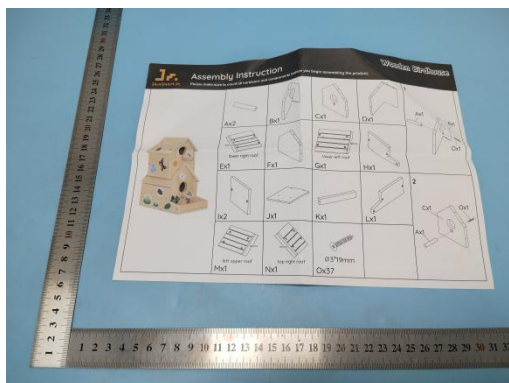
Disclaimer Measurement Uncertainty:

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.

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Samples photograph



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NBTS authenticate the photograph on original report only

*** End of Report ***

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