

## TEST REPORT

<b>Applicant</b>	: Haimeng toy factory								
<b>Address</b>	: East of Rongxin Road, Tuchi Village, Fengxiang Street, Chenghai District, Shantou City, Guangdong Province								
<b>Manufacturer</b>	: Haimeng toy factory								
<b>Address</b>	: East of Rongxin Road, Tuchi Village, Fengxiang Street, Chenghai District, Shantou City, Guangdong Province								
The following samples were submitted and identified on behalf of the clients as:									
<b>Trade Marks</b>	: No data available								
<b>Sample Name</b>	: Quick of eye and deft of hand								
<b>Sample Description</b>	: No data available								
<b>Model No.</b>	: HM-02 HM-05								
<b>Series No.</b>	: No data available								
<b>Batch No.</b>	: 20250901								
<b>ASIN</b>	: No data available								
<b>Labeled Age Grading</b>	: 6+	Appropriate Age Grading for Testing	: 6+	Age group applied in testing	: 6+	Age Group Assessed As per Age Guideline	: 6+		
<b>Customer Statement</b>	: No data available								
<b>Sample Received Date</b>	: Sep.11, 2025								
<b>Testing Period</b>	: Sep.11, 2025 to Sep.19, 2025								
<b>CPSC Lab ID</b>	: 1885								
<b>Test Requested</b>	: Selected test (s) in the selected parts as requested by client.								
<b>Test Results</b>	: For details refer to attached page(s).								
<b>Revised Statement</b>	: N/A								
<b>REMARKS</b>	: The result relates only to the items tested.								

Laboratory Accreditation : IAS Testing Laboratory TL-1329

**Signed for and on behalf of HRL**

Dylan Chow  
Dept Manager




All test reports issued by this laboratory are electronically signed using UKEY digital signatures. Reports with missing or damaged e-signatures shall be deemed invalid..

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IAS is ILAC/IAF Mutual Recognition Arrangement (MRA) Signatory.

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# TEST REPORT

## Summary of Test Results:

Test Requested		Conclusion
A	As specified in title 16, code of federal regulations, chapter II - consumer products safety commission of U.S.A	Pass
	1. 16 CFR 1500.48 Sharp point	Pass
	2. 16 CFR 1500.49 Sharp edge	Pass
	3. 16 CFR 1500.50.51.52.52 Simulating use and abuse of toys	Pass
	4. 16 CFR 1501 Small Objects	N/A
	5. 16 CFR 1500.44 Flammability of Solids	Pass
	6. 16 CFR 1610 Flammability Test of Clothing Textiles	N/A
	7. 16 CFR 1303, Total Lead in Paints and Surface Coatings	N/A
	8. 16 CFR 1307 Determination of Phthalates	Pass
B	ASTM F963-23: Standard Consumer Safety Specification for toy Safety	Pass
	1. Mechanical and physical properties	Pass
	2. Flammability	Pass
	3. Total Lead in Substrate Materials Section 4.3.5.2(2)(a)	Pass
	4. Total Lead in Paints and Surface Coatings Section 4.3.5.1(1)	N/A
	5. Migration of certain elements: Migration of certain elements in Paints and Surface Coatings Section 4.3.5.1(2) & Migration of certain elements in Substrate Materials Section 4.3.5.2	Pass
	6. Phthalates Content Section 4.3.8	Pass
C	Consumer Product Safety Improvement Act of 2008 (CPSIA)	Pass
	1. CPSIA Sec.101.(a) Total Lead in Substrate Materials	Pass
	2. CPSIA Sec.101.(f) Total Lead in Paints and Surface Coatings	N/A
	3. CPSIA Sec.108 Determination of Phthalates	Pass
	4. CPSIA Sec.103 Tracking Labels for Children's Products /15 U.S. Code § 2063(a)(5)	Pass
REMARKS: N/A = Not Applicable		

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(To be continued)

# TEST REPORT

**Test Results:**

**A.As specified in title 16, code of federal regulations, chapter II - consumer products safety commission of U.S.A**

Clause		Description	Result
A.1	16 CFR 1500.48	Technical requirements for determining a sharp point in toys and other articles intended for use by children under 8 years of age.	Pass
A.2	16 CFR 1500.48	Technical requirements for determining a sharp metal or glass edge in toys and other articles intended for use by children under 8 years of age.	Pass
A.3	16 CFR 1500.50.51.52.53	Normal use testing	Pass
		Abuse testing	Pass
		Impact test (53b)	Pass
		Bite test	N/A
		Flexure test	N/A
		Torque test(53e)	Pass
		Tension test(53f)	Pass
		Compression test(53g)	Pass
A.4	16 CFR 1501	Identifying toys and other articles intended for use by children under 3 years of age which present choking, aspiration, or ingestion hazards because of small parts.	N/A

REMARKS:N/A= Not Applicable

**A.5 16 CFR 1500.44 Method for determining extremely flammable and flammable solids**

No.	Samples	Burn rate (in/sec.)	NOTICE
1	Quick of eye and deft of hand	IBE	Pass

Remark:  
 1. DNI = Did not ignite (no time).  
 2. N/A = Not Applicable  
 3. IBE = Ignited but self-extinguished before burn-rate could be determined (no time).  
 4. All styles of the submitted samples (and its accessories) was/were tested, the above result only showed the most severe burn rate of the samples.

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(To be continued)



All test reports issued by this laboratory are electronically signed using UKEY digital signatures. Reports with missing or damaged e-signatures shall be deemed invalid..

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## TEST REPORT

### A.6 16 CFR 1610 Flammability Test of Clothing Textiles

The 16 CFR 1610 standard categorizes the combustion performance of textiles into three levels: Level 1 for general flammability, Level 2 for moderate flammability, and Level 3 for rapid and intense combustion.

No.	Samples	Level requirements	NOTICE
1	Quick of eye and deft of hand	The combustion performance requirements for Level 1 textiles are: the average combustion time of fabric with no fuzz on the surface is greater than or equal to 3.5 seconds, the average combustion time of fuzz fabric is greater than or equal to 7 seconds, and the base fabric has no sparks or melting. The combustion performance requirement for Level 2 textiles is that the average combustion time of the fuzzy fabric is 4 seconds to 7 seconds. The combustion performance requirements for Level 3 textiles are: the average combustion time of fabric with no fuzz on the surface is less than 3.5 seconds, and the average combustion time of fabric with fuzz is less than 4 seconds.	N/A
REMARKS: N/A = Not Applicable			

### A.7 16 CFR 1303, Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E-1003-09.1, analyzed by Inductively Coupled Plasma-Optical Emission Spectrometry (ICP-OES).

Test item	Unit	MDL	Results						Limit
			N/A	N/A	N/A	N/A	N/A	N/A	
Lead Content (Pb)	mg/kg	10	N/A	N/A	N/A	N/A	N/A	N/A	90
Conclusion			N/A	N/A	N/A	N/A	N/A	N/A	N/A

**REMARKS:**

- (1) ND = Not Detected, less than the MDL
- (2) MDL = Method Detected Limit
- (3) mg/kg = ppm = parts per million
- (4) N/A = Not Applicable

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(To be continued)

## TEST REPORT

### A.8 16 CFR 1307 Determination of Phthalates

Test Method: CPSC-CH-C1001-09.4, analyzed by Gas Chromatography with Mass Spectrometry (GC-MS).

Test item	CAS No.	Unit	MDL	Results						Limit
				S1+S2+S3	S4+S5	S6+S17	S7+S8	S9+S10	S11	
Dibutyl phthalate (DBP)	84-74-2	mg/kg	30	ND	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7		30	ND	ND	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	30	ND	ND	ND	ND	ND	ND	1000
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0		100	ND	ND	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	mg/kg	100	ND	ND	ND	ND	ND	ND	1000
Dicyclohexyl phthalate (DCHP)	84-61-7		100	ND	ND	ND	ND	ND	ND	1000
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	100	ND	ND	ND	ND	ND	ND	1000
Di-n-pentyl Phthalates (DPENP)	131-18-0		100	ND	ND	ND	ND	ND	ND	1000
Conclusion				Pass	Pass	Pass	Pass	Pass	Pass	N/A

#### REMARKS:

- (1) ND = Not Detected, less than the MDL
- (2) MDL = Method Detected Limit
- (3) mg/kg = ppm = parts per million
- (4) N/A = Not Applicable

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(To be continued)

## TEST REPORT

Test Method: CPSC-CH-C1001-09.4, analyzed by Gas Chromatography with Mass Spectrometry(GC-MS).

Test item	CAS No.	Unit	MDL	Results						Limit
				S12+S14	S13	S15+S16	N/A	N/A	N/A	
Dibutyl phthalate (DBP)	84-74-2	mg/ kg	30	ND	ND	ND	N/A	N/A	N/A	1000
Benzyl butyl phthalate (BBP)	85-68-7		30	ND	ND	ND	N/A	N/A	N/A	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/ kg	30	ND	ND	ND	N/A	N/A	N/A	1000
Diisononyl Phthalate (DINP))	28553-12-0 68515-48-0		100	ND	ND	ND	N/A	N/A	N/A	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	mg/ kg	100	ND	ND	ND	N/A	N/A	N/A	1000
Dicyclohexyl phthalate (DCHP)	84-61-7		100	ND	ND	ND	N/A	N/A	N/A	1000
Diisobutyl phthalate (DIBP)	84-69-5	mg/ kg	100	ND	ND	ND	N/A	N/A	N/A	1000
Di-n-pentyl Phthalates (DPENP)	131-18-0		100	ND	ND	ND	N/A	N/A	N/A	1000
Conclusion				Pass	Pass	Pass	N/A	N/A	N/A	N/A

**REMARKS:**

- (1)ND = Not Detected, less than the MDL
- (2)MDL= Method Detected Limit
- (3)mg/kg = ppm = parts per million
- (4)N/A = Not Applicable

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(To be continued)

# TEST REPORT

## B.1 ASTM F963-23: Standard Consumer Safety Specification for toy Safety - Mechanical and physical properties

Clause	Description	Result
4	Safety Requirements	Pass
4.1	Material Quality **	Pass
4.3	Toxicology	Pass
4.3.5	Heavy Elements	Pass (see result)
4.3.5.1	Paint and Similar Surface-Coating Materials	NA
4.3.5.2	Toy Substrate Materials	Pass (see result)
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels, Powders, and Items of Avian Feather	N/A
4.3.7	Stuffing Materials	N/A
4.4	Electrical/Thermal Energy	N/A
4.5	Sound-Producing Toys	N/A
4.6	Small objects	N/A
4.6.2	Mouth-actuated Toys	N/A
4.7	Accessible Edges	Pass
4.8	Projections	N/A
4.9	Accessible Points	Pass
4.10	Wires or Rods	N/A
4.11	Nails and Fasteners	Pass
4.12	Plastic Film	N/A
4.13	Folding mechanisms and hinges	N/A
4.14	Cords, Straps and Elastic	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, Clearance & Accessibility of Mechanisms	N/A
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
4.24	Squeeze Toys	N/A
4.25	Battery-Operated Toys	Pass
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

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(To be continued)

## TEST REPORT

### B.1 ASTM F963-23: Standard Consumer Safety Specification for toy Safety - Mechanical and physical properties

Clause	Description	Result
4.29	Art Materials	N/A
4.30	Toy Gun Marking	N/A
4.31	Balloons	N/A
4.32	Certain Toys and Nearly Spherical Ends	N/A
4.33	Marbles	N/A
4.34	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 Chest	N/A
5	Safety Labeling Requirements	Pass
5.1	Federal Labeling	Pass
5.2	Age Grade Labeling	Pass
5.3	Safety Labeling Requirements	Pass
5.4	Aquatic Toys	N/A
5.5	Crib and Playpen Toys	N/A
5.6	Mobiles	N/A
5.7	Stroller and Carriage Toys	N/A
5.8	Toys Intended to be Assembled By an Adult	N/A
5.9	Simulated Protective Devices	N/A
5.1	Toys with Functional Sharp Edges or Points	N/A
5.11	Small Objects, Small Balls, Marbles and Balloons	Pass
5.12	Art Materials	N/A
5.13	Electric Toy	N/A
5.14	Battery-Operated Toys	N/A
5.15	Promotional Materials	N/A
5.16	Magnets	N/A
6	Instructional Literature	Pass
6.1	Definition and Description	Pass
6.2	Crib and Playpen Toys	N/A

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(To be continued)

## TEST REPORT

### B.1 ASTM F963-23: Standard Consumer Safety Specification for toy Safety - Mechanical and physical properties

Clause	Description	Result
6.3	Mobiles	N/A
6.4	Toys Intended to be Assembled By an 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	The instructional material for toys which require a Manufacturer	N/A
	-supplied specialty or custom tool to access the battery(ies) shall direct caregivers to retain the tool for future use, to store it where the child cannot access it, and state that the tool is not a toy.	N/A
7.1	Producers Markings	Pass
7.2	Battery-Powered Ride-On Toys	N/A
7.3	Toy Chests	N/A

REMARKS: N/A = Not Applicable

### B.2 ASTM F963-23: Standard Consumer Safety Specification for toy Safety - Flammability

No.	Samples	Burn rate (in./sec.)	Limit(in./s)	NOTICE
1	Quick of eye and deft of hand	IBE	0.1	Pass

1. DNI = Did not ignite (no time).
2. N/A = Not Applicable
3. IBE = Ignited but self-extinguished before burn-rate could be determined (no time).
4. All styles of the submitted samples (and its accessories) was/were tested, the above result only showed the most severe burn rate of the samples.
5. The burn rate of a composite product ( that is solid/fabric combined) exceeds 0.1 in./s in part due to the presence of a permanently attached fabric, then a secondary test to fabric separately was conducted in accordance the standard.

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(To be continued)

## TEST REPORT

### B.3 ASTM F963-23 Section 4.3.5.2(2)(a) Total Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal), analyzed by Inductively Coupled Plasma-Optical Emission Spectrometry(ICP-OES).

Test item	Unit	MDL	Results						Limit
			S1+S2+S3	S4+S5	S6+S17	S7+S8	S9+S10	S11	
Lead Content (Pb)	mg/kg	10	ND	ND	ND	ND	ND	ND	100
Conclusion			Pass	Pass	Pass	Pass	Pass	Pass	N/A

**REMARKS:**

- (1)ND = Not Detected, less than the MDL
- (2)MDL= Method Detected Limit
- (3)mg/kg = ppm = parts per million
- (4)N/A = Not Applicable

Test item	Unit	MDL	Results						Limit
			S12+S14	S13	S15+S16	S18+S19+S20	S21+S22+S23	N/A	
Lead Content (Pb)	mg/kg	10	ND	ND	ND	ND	ND	N/A	100
Conclusion			Pass	Pass	Pass	Pass	Pass	N/A	N/A

**REMARKS:**

- (1)ND = Not Detected, less than the MDL
- (2)MDL= Method Detected Limit
- (3)mg/kg = ppm = parts per million
- (4)N/A = Not Applicable

### B.4 ASTM F963-23 Section 4.3.5.1(1) Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E-1003-09.1, analyzed by Inductively Coupled Plasma-Optical Emission Spectrometry(ICP-OES).

Test item	Unit	MDL	Results						Limit
			N/A	N/A	N/A	N/A	N/A	N/A	
Lead Content (Pb)	mg/kg	10	N/A	N/A	N/A	N/A	N/A	N/A	90
Conclusion			N/A	N/A	N/A	N/A	N/A	N/A	N/A

**REMARKS:**

- (1)ND = Not Detected, less than the MDL
- (2)MDL= Method Detected Limit
- (3)mg/kg = ppm = parts per million
- (4)N/A = Not Applicable

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(To be continued)

## TEST REPORT

### B.5.1-ASTM F963-23: Migration of certain elements

- Migration of Certain Elements in Surface Coatings & Substrate Materials Section 4.3.5

Test Item	Lead Pb	Antimony Sb	Arsenic As	Barium Ba	Cadmium Cd	Chromium Cr	Mercury Hg	Selenium Se
Maximum Limit (mg/kg)	Non- Modeling clay materials							
	90	60	25	1000	75	60	60	500
	Modeling clays							
	90	60	25	250	50	25	25	500
MDL (mg/kg)	5	5	2.5	5	5	5	5	5
Test Method/ Instrument	ASTM F963-23/ ICP-OES							

### B.5.2 Migration of certain elements: Migration of certain elements in Paints and Surface Coatings Section

#### 4.3.5.1(2) & Migration of certain elements in Substrate Materials Section 4.3.5.2

Test method: Sample was extracted with acid and toxic elements content were determined by inductively coupled argon plasma

Test Item	Unit	MDL	Results						Limit $\Delta$
			S1	S2	S3	S4	S5	S6	
Soluble Lead (Pb)	mg/kg	5	ND	ND	ND	ND	ND	ND	90/90
Soluble Antimony (Sb)	mg/kg	5	ND	ND	ND	ND	ND	ND	60/60
Soluble Arsenic (As)	mg/kg	2.5	ND	ND	ND	ND	ND	ND	25/25
Soluble Barium (Ba)	mg/kg	5	ND	ND	ND	ND	ND	ND	1000/250
Soluble Cadmium (Cd)	mg/kg	5	ND	ND	ND	ND	ND	ND	75/50
Soluble Chromium (Cr)	mg/kg	5	ND	ND	ND	ND	ND	ND	60/25
Soluble Mercury (Hg)	mg/kg	5	ND	ND	ND	ND	ND	ND	60/25
Soluble Selenium (Se)	mg/kg	5	ND	ND	ND	ND	ND	ND	500/500
Conclusion			Pass	Pass	Pass	Pass	Pass	Pass	N/A

**REMARKS:**

(1) ND = Not Detected, less than the MDL

(2) MDL = Method Detected Limit

(3) mg/kg = ppm = parts per million

(4) N/A = Not Applicable

(5) Limit $\Delta$  = Non- Modeling clay / Modeling clay

(6) For accessible glass, metal, and ceramic toys or parts of toys, the migration testing requirements are only applied if they are small parts (that is, they fit completely within the test fixture specified at 16 CFR 1501).

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(To be continued)

## TEST REPORT

Test Item	Unit	MDL	Results						Limit $\Delta$
			S7	S8	S9	S10	S11	S12	
Soluble Lead (Pb)	mg/kg	5	ND	ND	ND	ND	ND	ND	90/90
Soluble Antimony (Sb)	mg/kg	5	ND	ND	ND	ND	ND	ND	60/60
Soluble Arsenic (As)	mg/kg	2.5	ND	ND	ND	ND	ND	ND	25/25
Soluble Barium (Ba)	mg/kg	5	ND	ND	ND	ND	ND	ND	1000/250
Soluble Cadmium (Cd)	mg/kg	5	ND	ND	ND	ND	ND	ND	75/50
Soluble Chromium (Cr)	mg/kg	5	ND	ND	ND	ND	ND	ND	60/25
Soluble Mercury (Hg)	mg/kg	5	ND	ND	ND	ND	ND	ND	60/25
Soluble Selenium (Se)	mg/kg	5	ND	ND	ND	ND	ND	ND	500/500
Conclusion			Pass	Pass	Pass	Pass	Pass	Pass	N/A

**REMARKS:**

- (1) ND = Not Detected, less than the MDL
- (2) MDL = Method Detected Limit
- (3) mg/kg = ppm = parts per million
- (4) N/A = Not Applicable
- (5) Limit $\Delta$  = Non- Modeling clay / Modeling clay
- (6) For accessible glass, metal, and ceramic toys or parts of toys, the migration testing requirements are only applied if they are small parts (that is, they fit completely within the test fixture specified at 16 CFR 1501).

Test Item	Unit	MDL	Results						Limit $\Delta$
			S13	S14	S15	S16	S17	S18	
Soluble Lead (Pb)	mg/kg	5	ND	ND	ND	ND	ND	ND	90/90
Soluble Antimony (Sb)	mg/kg	5	ND	ND	ND	ND	ND	ND	60/60
Soluble Arsenic (As)	mg/kg	2.5	ND	ND	ND	ND	ND	ND	25/25
Soluble Barium (Ba)	mg/kg	5	ND	ND	ND	ND	ND	ND	1000/250
Soluble Cadmium (Cd)	mg/kg	5	ND	ND	ND	ND	ND	ND	75/50
Soluble Chromium (Cr)	mg/kg	5	ND	ND	ND	ND	ND	ND	60/25
Soluble Mercury (Hg)	mg/kg	5	ND	ND	ND	ND	ND	ND	60/25
Soluble Selenium (Se)	mg/kg	5	ND	ND	ND	ND	ND	ND	500/500
Conclusion			Pass	Pass	Pass	Pass	Pass	Pass	N/A

**REMARKS:**

- (1) ND = Not Detected, less than the MDL
- (2) MDL = Method Detected Limit
- (3) mg/kg = ppm = parts per million
- (4) N/A = Not Applicable
- (5) Limit $\Delta$  = Non- Modeling clay / Modeling clay
- (6) For accessible glass, metal, and ceramic toys or parts of toys, the migration testing requirements are only applied if they are small parts (that is, they fit completely within the test fixture specified at 16 CFR 1501).

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(To be continued)

## TEST REPORT

Test Item	Unit	MDL	Results						Limit $\Delta$
			S19	S20	S21	S22	S23	N/A	
Soluble Lead (Pb)	mg/kg	5	ND	ND	ND	ND	ND	N/A	90/90
Soluble Antimony (Sb)	mg/kg	5	ND	ND	ND	ND	ND	N/A	60/60
Soluble Arsenic (As)	mg/kg	2.5	ND	ND	ND	ND	ND	N/A	25/25
Soluble Barium (Ba)	mg/kg	5	ND	ND	ND	ND	ND	N/A	1000/250
Soluble Cadmium (Cd)	mg/kg	5	ND	ND	ND	ND	ND	N/A	75/50
Soluble Chromium (Cr)	mg/kg	5	ND	ND	ND	ND	ND	N/A	60/25
Soluble Mercury (Hg)	mg/kg	5	ND	ND	ND	ND	ND	N/A	60/25
Soluble Selenium (Se)	mg/kg	5	ND	ND	ND	ND	ND	N/A	500/500
Conclusion			Pass	Pass	Pass	Pass	Pass	N/A	N/A

**REMARKS:**

- (1) ND = Not Detected, less than the MDL
- (2) MDL = Method Detected Limit
- (3) mg/kg = ppm = parts per million
- (4) N/A = Not Applicable
- (5) Limit $\Delta$  = Non- Modeling clay / Modeling clay
- (6) For accessible glass, metal, and ceramic toys or parts of toys, the migration testing requirements are only applied if they are small parts (that is, they fit completely within the test fixture specified at 16 CFR 1501).

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(To be continued)

## TEST REPORT

### B.6 ASTM F963-23 Section 4.3.8 Phthalates Content

Test Method: CPSC-CH-C1001-09.4, analyzed by Gas Chromatography with Mass Spectrometry (GC-MS).

Test item	CAS No.	Unit	MDL	Results						Limit
				S1+S2+S3	S4+S5	S6+S17	S7+S8	S9+S10	S11	Limit
Dibutyl phthalate (DBP)	84-74-2	mg/kg	30	ND	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	30	ND	ND	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	30	ND	ND	ND	ND	ND	ND	1000
Diisononyl Phthalate (DINP))	28553-12-0 68515-48-0	mg/kg	100	ND	ND	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	mg/kg	100	ND	ND	ND	ND	ND	ND	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	100	ND	ND	ND	ND	ND	ND	1000
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	100	ND	ND	ND	ND	ND	ND	1000
Di-n-pentyl Phthalates (DPENP)	131-18-0	mg/kg	100	ND	ND	ND	ND	ND	ND	1000
Conclusion				Pass	Pass	Pass	Pass	Pass	Pass	N/A

**REMARKS:**

- (1) ND = Not Detected, less than the MDL
- (2) MDL = Method Detected Limit
- (3) mg/kg = ppm = parts per million
- (4) N/A = Not Applicable

\*\*\*\*\*

(To be continued)

## TEST REPORT

Test item	CAS No.	Unit	MDL	Results						Limit
				S12+S14	S13	S15+S16	N/A	N/A	N/A	Limit
Dibutyl phthalate (DBP)	84-74-2	mg/kg	30	ND	ND	ND	N/A	N/A	N/A	1000
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	30	ND	ND	ND	N/A	N/A	N/A	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	30	ND	ND	ND	N/A	N/A	N/A	1000
Diisononyl Phthalate (DINP))	28553-12-0 68515-48-0	mg/kg	100	ND	ND	ND	N/A	N/A	N/A	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	mg/kg	100	ND	ND	ND	N/A	N/A	N/A	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	100	ND	ND	ND	N/A	N/A	N/A	1000
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	100	ND	ND	ND	N/A	N/A	N/A	1000
Di-n-pentyl Phthalates (DPENP)	131-18-0	mg/kg	100	ND	ND	ND	N/A	N/A	N/A	1000
Conclusion				Pass	Pass	Pass	N/A	N/A	N/A	N/A

REMARKS:

- (1)ND = Not Detected, less than the MDL
- (2)MDL= Method Detected Limit
- (3)mg/kg = ppm = parts per million
- (4)N/A = Not Applicable

\*\*\*\*\*

(To be continued)

## TEST REPORT

### C.1 CPSIA Sec.101.(a) Total Lead in Substrate Materials

Test Method: CPSC-CH-E1001-08.3 (Metal), CPSC-CH-E1002-08.3 (Non-Metal), analyzed by Inductively Coupled Plasma-Optical Emission Spectrometry(ICP-OES).

Test item	Unit	MDL	Results						Limit
			S1+S2+S3	S4+S5	S6+S17	S7+S8	S9+S10	S11	
Lead Content (Pb)	mg/kg	10	ND	ND	ND	ND	ND	ND	100
Conclusion			Pass	Pass	Pass	Pass	Pass	Pass	N/A

**REMARKS:**

- (1)ND = Not Detected, less than the MDL
- (2)MDL= Method Detected Limit
- (3)mg/kg = ppm = parts per million
- (4)N/A = Not Applicable

Test item	Unit	MDL	Results						Limit
			S12+S14	S13	S15+S16	S18+S19+S20	S21+S22+S23	N/A	
Lead Content (Pb)	mg/kg	10	ND	ND	ND	ND	ND	N/A	100
Conclusion			Pass	Pass	Pass	Pass	Pass	N/A	N/A

**REMARKS:**

- (1)ND = Not Detected, less than the MDL
- (2)MDL= Method Detected Limit
- (3)mg/kg = ppm = parts per million
- (4)N/A = Not Applicable

### C.2 CPSIA Section 101.(f), Total Lead in Paints and Surface Coatings

Test Method: CPSC-CH-E-1003-09.1, analyzed by Inductively Coupled Plasma-Optical Emission Spectrometry(ICP-OES).

Test item	Unit	MDL	Results						Limit
			N/A	N/A	N/A	N/A	N/A	N/A	
Lead Content (Pb)	mg/kg	10	N/A	N/A	N/A	N/A	N/A	N/A	90
Conclusion			N/A	N/A	N/A	N/A	N/A	N/A	N/A

**REMARKS:**

- (1)ND = Not Detected, less than the MDL
- (2)MDL= Method Detected Limit
- (3)mg/kg = ppm = parts per million
- (4)N/A = Not Applicable

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(To be continued)

## TEST REPORT

### C.3 CPSIA Section 108, Determination of Phthalates

Test Method: CPSC-CH-C1001-09.4, analyzed by Gas Chromatography with Mass Spectrometry (GC-MS).

Test item	CAS No.	Unit	MDL	Results						Limit
				S1+S2+S3	S4+S5	S6+S17	S7+S8	S9+S10	S11	
Dibutyl phthalate (DBP)	84-74-2	mg/kg	30	ND	ND	ND	ND	ND	ND	1000
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	30	ND	ND	ND	ND	ND	ND	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	30	ND	ND	ND	ND	ND	ND	1000
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	ND	ND	ND	ND	ND	ND	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	mg/kg	100	ND	ND	ND	ND	ND	ND	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	100	ND	ND	ND	ND	ND	ND	1000
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	100	ND	ND	ND	ND	ND	ND	1000
Di-n-pentyl Phthalates (DPENP)	131-18-0	mg/kg	100	ND	ND	ND	ND	ND	ND	1000
Conclusion				Pass	Pass	Pass	Pass	Pass	Pass	NA

#### REMARKS:

(1) ND = Not Detected, less than the MDL

(2) MDL = Method Detected Limit

(3) mg/kg = ppm = parts per million

(4) N/A = Not Applicable

"+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had been taken in account in the conclusion of this report

\*\*\*\*\*

(To be continued)

## TEST REPORT

Test item	CAS No.	Unit	MDL	Results						Limit
				S12+S14	S13	S15+S16	N/A	N/A	N/A	
Dibutyl phthalate (DBP)	84-74-2	mg/kg	30	ND	ND	ND	N/A	N/A	N/A	1000
Benzyl butyl phthalate (BBP)	85-68-7	mg/kg	30	ND	ND	ND	N/A	N/A	N/A	1000
Di-(2-ethylhexyl) phthalate (DEHP)	117-81-7	mg/kg	30	ND	ND	ND	N/A	N/A	N/A	1000
Diisononyl Phthalate (DINP)	28553-12-0 68515-48-0	mg/kg	100	ND	ND	ND	N/A	N/A	N/A	1000
Di-n-hexyl phthalate (DHEXP / DnHP)	84-75-3	mg/kg	100	ND	ND	ND	N/A	N/A	N/A	1000
Dicyclohexyl phthalate (DCHP)	84-61-7	mg/kg	100	ND	ND	ND	N/A	N/A	N/A	1000
Diisobutyl phthalate (DIBP)	84-69-5	mg/kg	100	ND	ND	ND	N/A	N/A	N/A	1000
Di-n-pentyl Phthalates (DPENP)	131-18-0	mg/kg	100	ND	ND	ND	N/A	N/A	N/A	1000
Conclusion				Pass	Pass	Pass	N/A	N/A	N/A	NA

**REMARKS:**

(1) ND = Not Detected, less than the MDL

(2) MDL = Method Detected Limit

(3) mg/kg = ppm = parts per million

(4) N/A = Not Applicable

"+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had been taken in account in the conclusion of this report

\*\*\*\*\*

(To be continued)

## TEST REPORT

### C.4 CPSIA Sec.103 Tracking Labels for Children's Products/15 U.S. Code § 2063(a)(5)

Description	Result
a) Is the product intended for children under 12 years? If no, the section is not applicable.	Pass
b) Is the product under the exemption of marking on children's product?	N/A
1.Product is too small to be marked.	N/A
2.Products stay with or be contained in their original packaging.	N/A
3.Product is sold through a bulk vending machine.	N/A
4.Physical mark would weaken or damage the product or impair its utility.	N/A
5.Product surface would be impossible to mark permanently.	N/A
6.Aesthetics of the product would be ruined by a mark.	N/A
c) Is the product and packaging or only packaging (for product exempted from the marking) marked below information?	Pass
Name of the manufacturer or the name of the private labeler.	Pass
Manufacturer or private labeler location, including the name of the country, and the name or other means of coding of city and state.	Pass
3) Date of production of the product, in a form of MM/YY or any other coding system.	Pass
4) Cohort information (including the batch, run number, or another identifying characteristic).	Pass
d) Is the label permanent after below permanency testing?	Pass
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.	

### Tracking labels for children's products

Product Label	
Sample Name	Quick of eye and deft of hand
Sample Description	No data available
Model No.	HM-02 HM-05
Trade marks	No data available
Manufacturer	Haimeng toy factory
Address	East of Rongxin Road, Tuchi Village, Fengxiang Street, Chenghai District, Shantou City, Guangdong Province
Age grading	6+
ASIN	No data available
Batch No.	20250901
Production date	2025.09.01
Address of production	East of Rongxin Road, Tuchi Village, Fengxiang Street, Chenghai District, Shantou City, Guangdong Province
	WARNING:CHOKING HAZARD -Small Parts.Not for children under 3 years.
NOTICE:N/A	

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(To be continued)

# TEST REPORT

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details.

Sample Information:

**Description&Photo of the submitted sample :**

Coating samples			Substrate samples		
Description		ID.	ID.	Description	
			S1	Yellow	Plastic
			S2	Yellow	Plastic
			S3	Orange	Plastic
			S4	Blue	Plastic
			S5	Yellow	Plastic
			S6	Blue	Sponge

Remark:

1.The tested parts were designated by client.

**Description&Photo of the submitted sample :**

Coating samples			Substrate samples		
Description		ID.	ID.	Description	
			S7	White	Plastic
			S8	Transparent	Plastic
			S23	Silver	Metal

Remark:

1.The tested parts were designated by client.

\*\*\*\*\*

(To be continued)

# TEST REPORT

**Description & Photo of the submitted sample :**

Coating samples			Substrate samples		
Description	ID.		ID.	Description	
			S9	White	Soft rubber
			S10	White	Soft rubber
			S11	Yellow	Nylon
			S12	Black	Plastic
			S13	White	Paper
			S19	Silver	Metal

Remark:

1. The tested parts were designated by client.

Coating samples			Substrate samples		
Description	ID.		ID.	Description	
			S20	Silver	Metal
			S21	Silver	Metal
			S22	Silver	Metal

Remark:

1. The tested parts were designated by client.

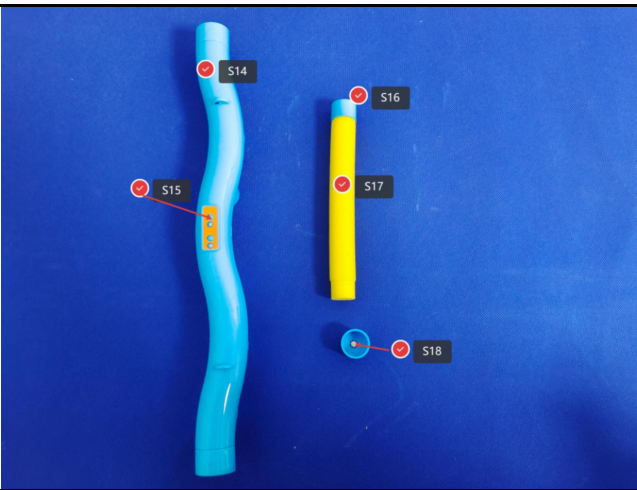
\*\*\*\*\*

(To be continued)

# TEST REPORT

**Description & Photo of the submitted sample :**

Coating samples			Substrate samples		
Description	ID.		ID.	Description	
	C		S14	Blue	Plastic
			S15	Blue	Plastic
			S16	Blue	Plastic
			S17	Yellow	Sponge
			S18	Silver	Metal



**Remark:**

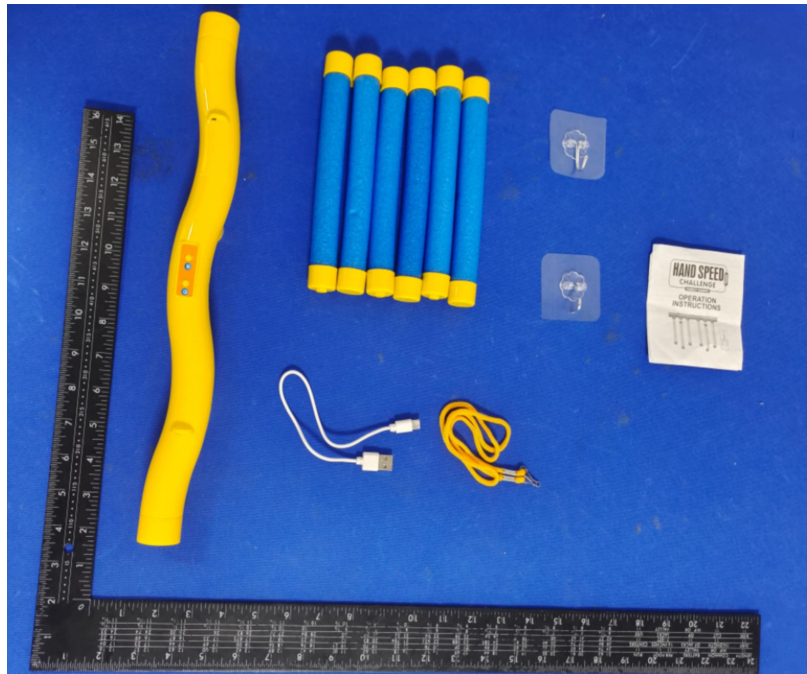
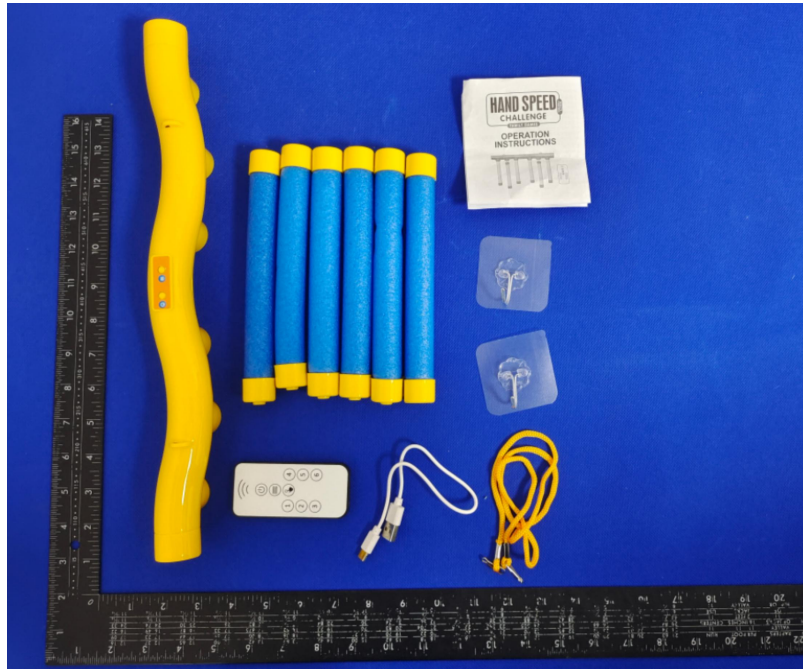
1. The tested parts were designated by client.

\*\*\*\*\*

(To be continued)

# TEST REPORT

**Test product photos :**

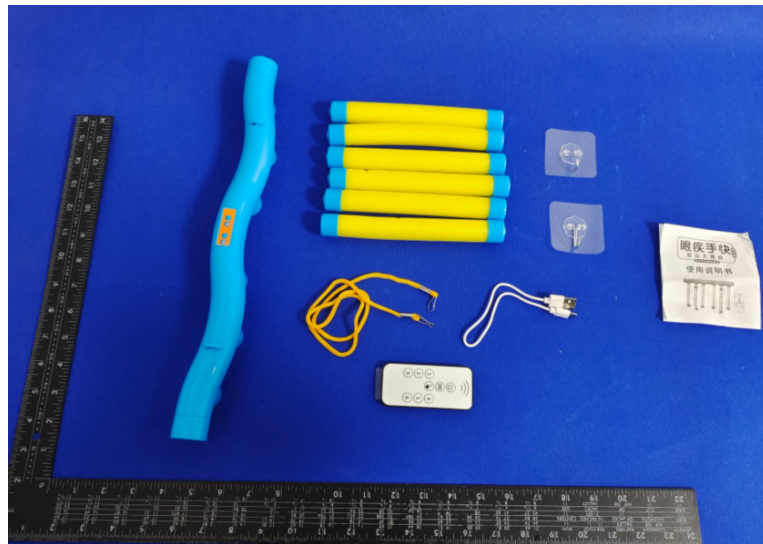


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(To be continued)

# TEST REPORT

**Test product photos :**



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(To be continued)

# TEST REPORT

**Test product photos :**



\*\*\*\*\*

(To be continued)

# TEST REPORT

**Test product photos :**



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(End of report)

## TEST REPORT

### STATEMENT

1. This report is considered invalid without approved signature, Detection special seal or Report seal;
2. The sample(s) and sample information was/were provided by the client who should be responsible for the authenticity which HRL hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. In case of any discrepancy between the English version and Chinese version of the testing reports (if generated), the Chinese version shall prevail.
5. When the report without qualification seal, the testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.
6. Unless otherwise specified, refer to ILAC-G8:09/2019 and use the binary decision rule of simple acceptance ( $W=0$ ) for conformity assessment.
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