



**CENTRE OF TESTING SERVICE  
INTERNATIONAL**

**OPERATE ACCORDING TO ISO/IEC 17025**

# **TOY SAFETY TEST REPORT**

**TEST REPORT NUMBER : CGZ3180926-00749-TO**



**CTS (Ningbo) Testing Service Technology Co., Ltd.**

Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo,  
Zhejiang, China.

Report No.: CGZ3180926-00749-TO

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Date: 30 Oct. 2018

**TEST REPORT**

Applicant:	MOONJAR LLC
Address:	Magic & Miracles PO Box 6842 Incline Village, Nevada 89450
Samples:	MOONJAR MONEYBOX
Sample Description:	MOONJAR MONEYBOX
Item No.:	9724282
Brand Name:	Moonjar
Sample Quantity:	2 Sets
Date of Sample Received:	26 Sep. 2018
Test Address:	<b>CTS (Ningbo) Testing Service Technology Co., Ltd.</b> Fl.1 & 8 West, Bldg. B, No. 66, Qingyi Rd., Hi-Tech Zone, Ningbo, Zhejiang, China (ASTM F963 (Physical & Mechanical Test / Flammability Test) were tested by CTS (Guangzhou) Testing Service Technology Co., Ltd. )
Testing Period:	26 Sep. 2018 – 30 Oct. 2018
Test Requested:	ASTM F963-17 -Physical & Mechanical Test -Flammability Test -Heavy Elements in Paint / Similar Surface Coating Materials -Heavy Metal in Substrate Materials  Consumer Product Safety Improvement Act (CPSIA) of 2008 (H.R. 4040) . -the Lead content in paint / similar surface coating material -the Lead content in accessible substrate materials  U.S. Consumer Product Safety Commission (CPSC)'s Final Rule on prohibiting specified phthalates in children's toys and child care articles (16 CFR 1307) on 27 October 2017. -the phthalates content in the submitted sample
Labeled Age Grading:	For ages 3 years and up
Test Age Grading:	For ages 3 years and up
Test Method:	As specified in the above standards
Test Results:	See the attachment in detail

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**TEST REPORT**

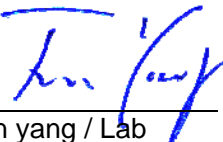
Written by:

Kate zhang / File  
administrators

Reviewed by:

Jun sheng / Technique  
principal

Approved by:

Jun yang / Lab  
managerDate: **30 Oct. 2018**Date: **30 Oct. 2018**Date: **30 Oct. 2018**

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## TEST REPORT

### Test Results:

#### (1) As Specified in ASTM F963-17

ASTM F963			
Clause	Requirement – Test	Result – Remark	Verdict
<b>4</b>	<b>Safety Requirements</b>		—
4.1	Material Quality	---	P
4.2	Flammability	---	P
4.3	Toxicology	---	—
4.3.1	Hazardous Substances	---	N
4.3.2	Manufacturing and Packaging of Food	---	N
4.3.3	Indirect Food Additives	---	N
4.3.4	Cosmetics	---	N
4.3.5	Heavy Elements		—
4.3.5.1	Paint and Similar Surface-Coating Materials	---	P
4.3.5.2	Toy Substrate Materials	---	P
4.3.6	Cosmetics, Liquids, Pastes, Putties, Gels, Powders, and Items of Avian Feather Origin	---	N
4.3.7	Stuffing Materials	---	N
4.3.8	DEHP (DOP)	---	N
4.4	Electrical / Thermal Energy	---	N
4.5	Sound-Producing Toys	---	N
4.5.1	Requirements—When tested in accordance with 8.20, toys that are designed to emit sound shall conform to the following requirements:		—
4.5.1.1	The A-weighted equivalent sound pressure level, LAeq, produced by close to the ear toys shall not exceed 65dB.	---	N
4.5.1.2	The maximum A –weighted sound pressure level, LAFmax, produced by the translational motion of floor or table top toys where the motion is imparted on the toy by the child (see 8.20.1.5 for a greater description) shall not exceed 85dB.	---	N
4.5.1.3	The A-weighted equivalent sound pressure level, LAeq, produced by all other toys shall not exceed 85dB.	---	N
4.5.1.4	The C-weighted peak sound pressure level, LCpeak, produced by close to the ear toys shall not exceed 110dB.	---	N

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ASTM F963			
Clause	Requirement – Test	Result – Remark	Verdict
4.5.1.5	The C-weighted peak sound pressure level, LCpeak, produced by any type of toy excluding toys using explosive action (for example, percussion caps) shall not exceed 115dB.	---	N
4.5.1.6	The C-weighted peak sound pressure level, LCpeak, produced by a toy using percussion caps or other explosive action shall not exceed 125dB.	---	N
4.6	Small Objects	---	N
4.6.1	Toys that are intended for children under 36 months of age are subject to the requirements of 16 CFR 1501.	---	N
4.6.2	Mouth-Actuated Toys	---	N
4.6.3	Toys and games that are intended for use by children who are at least three years old (36months) but less than six years of age (72months) are subject to the requirements of 16 CFR 1500.19.	---	P
4.7	Accessible Edges	---	P
4.7.1	Potentially hazardous sharp metal and glass edges are defined in 16 CFR 1500.49.	---	N
4.7.2	Toys containing potentially hazardous edges that are a necessary part of the function of a toy shall carry cautionary labeling as specified in 5.10 Toys containing potentially hazardous edges that are a necessary part of the function of a toy shall carry cautionary labeling as specified in 5.10 if the toy is intended for use by children from 48 to 96 months.	---	N
4.7.3	Metal Toys	---	N
4.7.4	Molded Toys	---	P
4.7.5	Exposed Bolts or Threaded Rods	---	N
4.8	Projections	---	P
4.9	Accessible Points	---	P
4.9.1	Potentially hazardous sharp points are defined by 16 CFR 1500.48.	---	N
4.9.2	Toys in which an accessible, potentially hazardous sharp point is a necessary function of the toy, such as a needle in a sewing kit, shall carry cautionary labeling as specified in 5.10.	---	N
4.9.3	Wood	---	N
4.10	Wires or Rods	---	N
4.11	Nails and Fasteners	---	N

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## TEST REPORT

ASTM F963			
Clause	Requirement – Test	Result – Remark	Verdict
4.12	Plastic Film	---	N
4.13	Folding Mechanisms and Hinges	---	N
4.14	Cords, Straps, and Elastics	---	N
4.15	Stability and Over-Load Requirements	---	N
4.16	Confined Spaces	---	N
4.17	Wheels, Tires, and Axles	---	N
4.18	Holes, Clearance, and Accessibility of Mechanisms	---	N
4.19	Simulated Protective Devices (such as helmets, hats, and goggles)	---	N
4.20	Pacifiers	---	N
4.21	Projectile Toys	---	N
4.22	Teethers and Teething Toys	---	N
4.23	Rattles	---	N
4.24	Squeeze Toys	---	N
4.25	Battery-Operated Toys	---	N
4.26	Toys Intended to be Attached to a Crib or Playpen	---	N
4.27	Stuffed and Beanbag-Type Toys	---	N
4.28	Stroller and Carriage Toys	---	N
4.29	Art Materials	---	N
4.30	Toy Gun Marking	---	N
4.31	Balloons	---	N
4.32	Certain Toys with Nearly Spherical Ends	---	N
4.33	Marbles	---	N
4.34	Balls	---	N
4.35	Pompoms	---	N
4.36	Hemispheric-Shaped Objects	---	N
4.37	Yo Yo Elastic Tether Toys	---	N
4.38	Magnets	---	N
4.39	Jaw Entrapment in Handles and Steering Wheels	---	N
4.40	Expanding Materials	---	N

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ASTM F963			
Clause	Requirement – Test	Result – Remark	Verdict
4.41	Toy Chests	---	N
5	Labeling Requirements	---	P
6	Instructional Literature	---	P
7	Producer's Markings	---	P

Abbreviation : P = Pass ; N = Not Applicable

Note: All TEST RESULTS ARE ONLY VALID FOR THE SAMPLES BEING TESTED.

## TEST REPORT

### (2) 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 - Standard Operating Procedure for Determining Heavy Metal in Paint and Other Similar Surface Coatings

Sample Description		Result (mg/kg)	Maximum Allowable Limit (mg/kg)
		Lead (Pb)	
No.1*	Red paint / Green paint (mixed)	N.D.	90
No.2*	Blue paint / White paint (mixed)	N.D.	90

- Note :
1. The method detect limit is 2 mg/kg
  2. N.D. = not detected (<MDL)
  - 3.\*The samples was/were analyzed as mixing sample in one testing as applicant's request. The above results was/were only given as the informality value.
  4. The tested part of the sample was specified by client.

Method: With reference to ASTM F963-17 Clause 8.3

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

Element	Pb	Cd	Cr	Hg	Se	As	Ba	Sb	Mass of trace Amount
Maximum Limit (mg/kg)	90	75	60	60	500	25	1000	60	
Sample Description	Result (mg/kg)								(gram)
No.3	Red paint	<5	<5	<5	<5	<3	23	<5	/
No.4	Green paint	<5	<5	<5	<5	<3	10	<5	/
No.5	Blue paint	<5	<5	<5	<5	<3	23	<5	/
No.6	White paint	<5	<5	<5	<5	<3	<5	<5	/

- Note :
1. Pb = Lead, Cd = Cadmium, Cr= Chromium, Hg= Mercury  
Se = Selenium, As = Arsenic, Ba = Barium, Sb = Antimony
  2. <= less than
  3. The tested part of the sample was specified by client.



## TEST REPORT

### (3) ASTM F963-17, Clause 4.3.5.2 – Heavy Metal in Substrate Materials

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

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

Sample Description	Result (mg/kg)	Maximum Allowable Limit (mg/kg)
	Lead (Pb)	
No.7* Green plastic cover and Red plastic cover (mixed)	N.D.	100
No.8* Blue plastic cover and Yellow rubber band (mixed)	N.D.	100
No.9 Silvery retro-tin base	N.D.	100

Note

1. The method detect limit is 2 mg/kg
2. N.D. = not detected (<MDL)
- 3.\*The samples was/were analyzed as mixing sample in one testing as applicant's request. The above results was/were only given as the informality value.
4. The tested part of the sample was specified by client.

Method: With reference to ASTM F963-17 Clause 8.3

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

Element	Pb	Cd	Cr	Hg	Se	As	Ba	Sb	Mass of trace Amount
Maximum Limit (mg/kg)	90	75	60	60	500	25	1000	60	
Sample Description	Result (mg/kg)								(gram)
No.10 Green plastic cover	<5	<5	<5	<5	<5	<3	<5	<5	/
No.11 Red plastic cover	<5	<5	<5	<5	<5	<3	<5	<5	/
No.12 Blue plastic cover	<5	<5	<5	<5	<5	<3	<5	<5	/
No.13 Yellow rubber band	<5	<5	<5	<5	<5	<3	<5	<5	/

Note

1. Pb = Lead, Cd = Cadmium, Cr= Chromium, Hg= Mercury  
Se = Selenium, As = Arsenic, Ba = Barium, Sb = Antimony
2. <= less than
3. The tested part of the sample was specified by client.

**TEST REPORT**

**(4) Consumer Product Safety Improvement Act (CPSIA) of 2008 (H.R. 4040) & U.S. Consumer Product Safety Commission (CPSC)'s Final Rule on prohibiting specified phthalates in children's toys and child care articles (16 CFR 1307) on 27 October 2017.**

**4.1 Test Requested**

- 1) As specified by applicant, to determine the Lead content in paint / similar surface coating material in accordance with Consumer Product Safety Improvement Act (CPSIA) of 2008 (H.R. 4040) .
- 2) As specified by applicant, to determine the Lead content in accessible substrate materials in accordance with Consumer Product Safety Improvement Act (CPSIA) of 2008 (H.R. 4040) .
- 3) As specified by applicant, to determine phthalates content in the submitted sample in accordance with U.S. Consumer Product Safety Commission (CPSC)'s Final Rule on prohibiting specified phthalates in children's toys and child care articles (16 CFR 1307) on 27 October 2017.

**4.2 Test Method**

Please refer to the following page(s)

## TEST REPORT

### 4.3 Results

#### 4.3.1 Lead in paint/similar surface coating material

Method (paint materials): CPSC Test Method: CPSC-CH-E1003-09.1 'Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings'.

	Sample Description	Result (mg/kg)	Maximum Allowable Limit (mg/kg)
		Lead (Pb)	
No.1*	Red paint / Green paint (mixed)	N.D.	90
No.2*	Blue paint / White paint (mixed)	N.D.	90

- Note :
1. Specimens, which requested to determine Lead content, have been dissolved completely.
  2. N.D. = not detected (<MDL)
  3. The method detect limit is 2 mg/kg
  - 4.\*The samples was/were analyzed as mixing sample in one testing as applicant's request. The above results was/were only given as the informality value.
  5. The tested part of the sample was specified by client.

#### 4.3.2 Lead in accessible substrate materials

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

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

	Sample Description	Result (mg/kg)	Maximum Allowable Limit (mg/kg)
		Lead (Pb)	
No.7*	Green plastic cover and Red plastic cover (mixed)	N.D.	100
No.8*	Blue plastic cover and Yellow rubber band (mixed)	N.D.	100
No.9	Silvery retro-tin base	N.D.	100

- Note :
1. Specimens, which requested to determine Lead content, have been dissolved completely.
  2. N.D. = not detected (<MDL)
  3. The method detect limit is 2 mg/kg
  - 4.\*The samples was/were analyzed as mixing sample in one testing as applicant's request. The above results was/were only given as the informality value.

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5. The tested part of the sample was specified by client.

**4.3.3 DEHP, DBP, BBP, DINP, DIBP, DCHP, DPENP(DnPP), DHEXP( DnHP) Content**

With reference to CPSC-CH-C1001-09.4 (2018): Solvent extraction, followed by analysis using Gas Chromatography-Mass Spectrometry.

Sample Description		Result (%)				Maximum Allowable Limit (%)
		DEHP	DBP	BBP	DINP	
No.1*	Red paint / Green paint (mixed)	N.D.	N.D.	N.D.	N.D.	0.1
No.2*	Blue paint / White paint (mixed)	N.D.	N.D.	N.D.	N.D.	0.1
No.7*	Green plastic cover and Red plastic cover (mixed)	N.D.	N.D.	N.D.	N.D.	0.1
No.8*	Blue plastic cover and Yellow rubber band (mixed)	N.D.	N.D.	N.D.	N.D.	0.1

Sample Description		Result (%)				Maximum Allowable Limit (%)
		DIBP	DCHP	DPENP (DnPP)	DHEXP ( DnHP)	
No.1*	Red paint / Green paint (mixed)	N.D.	N.D.	N.D.	N.D.	0.1
No.2*	Blue paint / White paint (mixed)	N.D.	N.D.	N.D.	N.D.	0.1
No.7*	Green plastic cover and Red plastic cover (mixed)	N.D.	N.D.	N.D.	N.D.	0.1
No.8*	Blue plastic cover and Yellow rubber band (mixed)	N.D.	N.D.	N.D.	N.D.	0.1

Note

- : 1. N.D. = not detected (<MDL)
- 2.\*The samples was/were analyzed as mixing sample in one testing as applicant's request. The above results was/were only given as the informality value.
3. The tested part of the sample was specified by client.
4. The method detect limit for each Phthalates are:

Method Detect Limit		
Phthalates	DEHP (Di- (2-ethylhexyl)phthalate)	0.005%
	DBP (Dibutyl phthalate)	0.005%
	BBP (Benzyl butyl phthalate)	0.005%
	DINP (Di-isononyl phthalate)	0.005%
	Diisobutyl phthalate (DIBP)	0.005%
	Dicyclohexyl phthalate (DCHP)	0.005%
	Di-n-pentyl phthalate (DPENP or DnPP)	0.005%
	Di-n-hexyl phthalate (DHEXP or DnHP)	0.005%

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**TEST REPORT****APPENDIX****PHOTO OF THE SUBMITTED SAMPLE(S)****Packaging****External view**

## TEST REPORT



### Marking

-----end of report-----