



CLIENT:Carpenters Manufactory LimitedREPORT NO:C80ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:JuneTown, DongGuan City, Guang Dong, ChinaJune

C80131618 June 16, 2016

Attn:	Kelly Xiong
Sample Description:	Ride-on Shape Sorter – Giraffe
Quantity Submitted:	1 piece
Supplier:	Carpenters Manufactory Limited
Buyer:	Not provided
Style/Item No.:	MK01061
P.O. No.:	Not provided
Labeled Age Grading:	12 months+
Destination:	Global
Country of Origin:	China
Date(s) of samples received:	March 7, 2016 (.p.m.) & April 13, 2016& April 18, 2016& May 19, 2016
TEST METHOD & RESULTS:	Please refer to next page(s)
CONCLUSION:	Please refer to page two(2)

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ADDRESS:	Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi	DATE:	June 16, 2016
	Town, DongGuan City, Guang Dong, China		

### **CONCLUSION:**

### USA:

ASTM F963-11 Physical & Mechanical Requirements 16 CFR 1500&1501 Physical & Mechanical Requirements ASTM F963-11 Flammability Requirements 16 CFR 1500.3 (c) (6) (vi) / 16 CFR 1500.44 Flammability Requirements ASTM F963-11 Clause 4.3.5.1 (2) Elements Migration in Surface Coating ASTM F963-11 Clause 4.3.5.2 (2) (b) Elements Migration in Substrate ASTM F963-11 Clause 4.3.5.1 (1) Total Lead in Surface Coating 16 CFR 1303 Total Lead Content Requirements	PASS PASS PASS PASS <sup>#2</sup> PASS <sup>#4</sup> PASS <sup>#3</sup> PASS <sup>#3</sup>
Consumer Product Safety Improvement Act of 2008 Total Lead Content Requirement [Paint or Surface Coating] ASTM F963-11 Clause 4.3.5.2 (2) (a) Total Lead in Substrate	PASS <sup>#3</sup> PASS <sup>#4</sup>
Consumer Product Safety Improvement Act of 2008 Total Lead Content Requirement [Substrate Materials] ASTM F963-11 Clause 4.3.5.2 (2) (c) Soluble Cadmium in Metallic Small Part Consumer Product Safety Improvement Act of 2008 Total Phthalate Requirement	PASS <sup>#4</sup> NOT APPLICABLE <sup>#1</sup> PASS <sup>#2</sup>
CANADA: Canada Toys Regulations SOR/2011-17 Physical and Mechanical Requirements Canada Toys Regulations SOR/2011-17 Flammability Requirements (Cellulose Nitrate and Celluloid) Canada Toys Regulations SOR/2011-17 Heavy Metal Content Requirements Canada Consumer Products Containing Lead (Contact mouth) Regulation Canada Phthalates Regulation SOR/2010-298 Phthalates Content Requirements	PASS PASS PASS <sup>#3</sup> PASS <sup>#3, 4</sup> PASS <sup>#2</sup>
AU: AS/NZS ISO 8124.1:2013 Physical & Mechanical Requirements AS/NZS ISO 8124.2:2009 Flammability Requirements AS/NZS ISO 8124.3:2012 Migration of Certain Elements DEHP requirement per Australia Government	PASS PASS PASS <sup>#2,4</sup> PASS <sup>#2</sup>
EU: EN 71-1:2014 Mechanical & Physical Properties EN 71-2:2011 + A1:2014 Flammability EN 71-3:2013+A1:2014 Migration of Certain Elements Total Cadmium Content and European Reach Regulation Annex XVII Total Phthalate Content European Reach Regulation Annex XVII Azo Dyes Test and European Reach Regulation Annex XVII	PASS PASS PASS <sup>#2,4</sup> PASS <sup>#2</sup> PASS <sup>#2</sup> NOT APPLICABLE <sup>#1</sup>

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#1: There is no component on the submitted test samples under the testing scopes.

#2: As claimed by client, the sample 2, 3, 4, 5, 6, 7, 8, 9 and 10 listed in the report is identical with the one in report C81021583. The test data of sample 2, 3, 4, 5, 6, 7, 8, 9 and 10 in the report was referred from report C81021583 issued on October 20, 2015.

#3: As claimed by client, the sample 2, 3, 4, 5, 6, 7, 8, 9 and 10 listed in the report is identical with the one in report C81021581. The test data of sample 2, 3, 4, 5, 6, 7, 8, 9 and 10 in the report was referred from report C81021581 issued on October 20, 2015.

#4: As claimed by client, the sample 11 and 12 listed in the report is identical with the one in report C81061528. The test data of sample 11 and 12 in the report was referred from report C81061528 issued on November 4, 2015.

For and on behalf of : UL VS Shanghai Limited Shenzhen Branch

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Benson Ye Technical Manager – Toys Department

**Important Notes**: The results only relate to the samples tested.

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Ms. Carol Ke Laboratory manager-Chemical Department

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### TEST RESULTS

1. USA

### 1.1 MECHANICAL AND PHYSICAL TEST

# 1.1.1 AS PER ASTM STANDARD CONSUMER SAFETY SPECFICATION FOR TOYS SAFETY F963-11

The following clauses are identified to be applicable:

Age grading for testing<br/>Samples Quantity: Ages 12 months+<br/>: 1 style(s) x 1 piece(s)<br/>1 piece-- Ride-on Shape Sorter - Giraffe – Stability And Over-Load<br/>Requirements --[Second Submission Sample]

<u>Clause</u>	<u>Test Items</u>	Assessment
4.1	Material(visual check on cleanness)	Р
4.3.7	Stuffing Materials (Visual Check On Contaminations)	Р
4.6	Small Objects	Р
4.7	Accessible Edges	Р
4.8	Projections	Р
4.9	Accessible Points	Р
4.11	Nails And Fasteners	Р
4.14	Cords And Elastics	Р
4.15	Stability And Over-Load Requirements	Р
4.17	Wheels, Tires And Axles	Р
4.18	Holes, Clearance, And Accessibility Of Mechanisms	Р
4.27	Stuffed And Beanbag-Type Toys	Р
5	Safety Labeling Requirements	Р
6	Instructional Literature	Р
7	Producer's Markings	Р

Remark: P = Pass

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### TEST RESULTS

# 1.1.2 AS PER 16 CFR 1500.50, THE HAZARDS OF SHARP POINTS, SHARP EDGE AND SMALL PARTS ARE ASSESSED BOTH BEFORE AND AFTER APPLICABLE USE AND ABUSE \ TESTS:

The following clauses are identified to be applicable:Age grading for testing: Ages 12 months+Samples Quantity: 1 style(s) x 1 piece(s)

	<u>TEST ITEMS</u>	SHARP POINT	SHARP EDGE	SMALL PART
		(1500.48)	(1500.49)	(1501)
	As received	Р	Р	Р
1500.51	Impact Test	Р	Р	Р
1500.53	Torque Test	Р	Р	Р
1500.53	Tension Test	Р	Р	Р
1500.53	Compression	Р	Р	Р
1500.52	Bite Test	Р	Р	Р

Remark: P = Pass

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### TEST RESULTS

### 1.2 FLAMMABILITY TEST

### 1.2.1 AS ASTM STANDARD ON SAFETY OF TOYS F963-11 ANNEX A5:

Samples Quantity:	1 style(s) x 1 piece(s)
Requirement:	Burning rate should not exceed 0.1 inch per second along the major axis.

Results: The sample was tested to be ignited but extinguished.

# 1.2.2 AS PER U.S. CODE OF FEDERAL REGULATIONS TITLE 16 PART 1500.44 FOR RIGID AND PLIABLE SOLIDS DEFINED UNDER 16 CFR 1500.3 SECTION (C) (6) (VI):

Samples Quantity:1 style(s) x 1 piece(s)Requirement:Burning rate should not exceed 0.1 inch per second along the major axis.

Results: The sample was tested to be ignited but extinguished.

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### **TEST RESULTS**

### **1.3 CHEMICAL TESTS:**

### 1.3.1 SOLUBLE ELEMENT MIGRATION IN SURFACE COATING

- Requirement: As per ASTM F963-11 Clause 4.3.5.1 (2) requirement, materials under test shall not exceed below limit.
- Test method: Reference to ASTM F963-11 Clause 8.3, used acid extraction and analyzed by Inductively Coupled Argon Plasma Spectrometry.

Results:								
Elements	Antimony	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
Limits	< 60	< 25	< 1000	< 75	< 60	< 90	< 60	< 500
Sample 2	< 6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Sample 3	< 6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Sample 4	< 6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Sample 5	< 6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Sample 6	< 6.0	<2.5	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Sample 7	< 6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 8	< 6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	<6.0	<6.0
Sample 9	< 6.0	<2.5	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0	< 6.0
Sample 10	< 6.0	<2.5	< 6.0	< 6.0	< 6.0	< 6.0	<6.0	< 6.0

### Remark:

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1. All concentrations expressed in milligrams per kilogram

2. "<" means "less than"

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### **TEST RESULTS**

### 1.3.2 SOLUBLE ELEMENT MIGRATION IN SUBSTRATES

- Requirement: As per ASTM F963-11 Clause 4.3.5.2 (2) (b) requirement, materials under test shall not exceed below limit.
- Test method: Reference to ASTM F963-11 Clause 8.3, used acid extraction and analyzed by Inductively Coupled Argon Plasma Spectrometry.

Results:								
Elements	Antimony	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
Limits	< 60	< 25	< 1000	< 75	< 60	< 90	< 60	< 500
Sample 11	<6.0	<2.5	16.5	< 6.0	<6.0	< 6.0	< 6.0	< 6.0
Sample 12	< 6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 13	< 6.0	<2.5	28.5	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 14	< 6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 15	< 6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 16	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 17	< 6.0	<2.5	< 6.0	< 6.0	<6.0	< 6.0	<6.0	<6.0
Sample 18	<6.0	<2.5	< 6.0	<6.0	<6.0	< 6.0	<6.0	<6.0

Remark:

1.

-

- 1. All concentrations expressed in milligrams per kilogram
- 2. "<" means "less than"

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### TEST RESULTS

## 1.3.3 TOTAL LEAD CONTENT TEST: COATING

Requirement: As per ASTM F963-11 Clause 4.3.5.1 (1) requirement, lead content in the materials under test shall not exceed of 90ppm.

Test method: CPSC-CH-E1003-09.1 Standard operating procedure for determining Lead (Pb) in paint

Results :

Total Lead	<u>Sample 2</u>	<u>Sample 3</u>	<u>Sample 4</u>	<u>Sample 5</u>	<u>Sample 6</u>
	14.6	<10.0	14.4	17.6	<10.0
Total Lead	<u>Sample 7</u> <10.0	<u>Sample 8</u> <10.0	<u>Sample 9</u> <10.0	<u>Sample 10</u> <10.0	

All concentrations expressed in milligrams per kilogram "<" means "less than"

## 1.3.4 TOTAL LEAD CONTENT TEST:

Criteria: The submitted samples must meet the Total Lead Limit of 90ppm as stated in 16 CFR 1303

Test method: CPSC-CH-E1003-09.1 Standard operating procedure for determining Lead (Pb) in paint

Results:

Total Lead	<u>Sample 2</u>	<u>Sample 3</u>	<u>Sample 4</u>	<u>Sample 5</u>	<u>Sample 6</u>
	14.6	<10.0	14.4	17.6	<10.0
Total Lead	<u>Sample 7</u> <10.0	<u>Sample 8</u> <10.0	<u>Sample 9</u> <10.0	Sample 10 <10.0	

All concentrations expressed in milligrams per kilogram "<" means "less than"

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### TEST RESULTS

## 1.3.5 TOTAL LEAD CONTENT TEST: COATING

Requirement : The submitted samples must meet the Total Lead Limit of 90ppm as per Consumer Product Safety Improvement Act of 2008

Test method: CPSC-CH-E1003-09.1 Standard operating procedure for determining Lead (Pb) in paint

**Results:** 

Total Lead	<u>Sample 2</u>	<u>Sample 3</u>	<u>Sample 4</u>	<u>Sample 5</u>	<u>Sample 6</u>
	14.6	<10.0	14.4	17.6	<10.0
Total Lead	<u>Sample 7</u> <10.0	<u>Sample 8</u> <10.0	<u>Sample 9</u> <10.0	<u>Sample 10</u> <10.0	

All concentrations expressed in milligrams per kilogram "<" means "less than"

## 1.3.6 TOTAL LEAD CONTENT TEST: SUBSTRATE

Requirement:	As per ASTM F963-11 Clause 4.3.5.2 (2) (a) requirement, lead content in the materials under test shall not exceed of 100ppm.					
Test method:	CPSC-CH-E1001-8.3 Standard operating procedure for determining total Lead (Pb) in metal; CPSC-CH-E1002-8.3 Standard operating procedure for determining total Lead (Pb) in non-metal					
Results:						
Total Lead	<u>Sample 1</u> <10.0	<u>Sample 12</u> <10.0	Sample 13/14/15 <10.0	<u>Sample 16/17</u> <10.0	<u>Sample 19</u> <10.0	
Total Lead	<u>Sample 20</u> <10.0	<u>Sample 21</u> <10.0				
All concentrations expressed in milligrams per kilogram						

"<" means "less than"

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### TEST RESULTS

### 1.3.7 TOTAL LEAD CONTENT TEST: SUBSTRATE

Requirement: The submitted samples must meet the Total Lead Limit of 100ppm as per Consumer Product Safety Improvement Act of 2008

Test method: CPSC-CH-E1001-8.3 Standard operating procedure for determining total Lead (Pb) in metal children's product (including children's metal jewelry); CPSC-CH-E1002-8.3 Standard operating procedure for determining total Lead (Pb) in non-metal children's products.

**Results:** 

Total Lead	<u>Sample 1</u>	<u>Sample 12</u>	<u>Sample 13/14/15</u>	Sample 16/17	<u>Sample 19</u>
	<10.0	<10.0	<10.0	<10.0	<10.0
Total Lead	<u>Sample 20</u> <10.0	<u>Sample 21</u> <10.0			

All concentrations expressed in milligrams per kilogram "<" means "less than"

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### **TEST RESULTS**

### 1.3.8 TOTAL PHTHALATE TEST

Requirement	:	DEHP, DBP or BBP content shall not be more than 0.1% by weight in toys and childcare article. DINP, DIDP or DNOP content shall not be more than 0.1% by weight in toys and childcare article which can be placed in the mouth by children.
Test Method	:	CPSC-CH-C1001-09.3, Standard operating procedure for determination of phthalates.

Results

:

Sample ID	Plasticiser Values (w/w)						
	DBP	BBP	DEHP	DNOP	DINP	DIDP	
Sample 2	ND	ND	ND	ND	ND	ND	
Sample 3	ND	ND	ND	ND	ND	ND	
Sample 4	ND	ND	ND	ND	ND	ND	
Sample 5	ND	ND	ND	ND	ND	ND	
Sample 6	ND	ND	ND	ND	ND	ND	
Sample 7	ND	ND	ND	ND	ND	ND	
Sample 8	ND	ND	ND	ND	ND	ND	
Sample 9	ND	ND	ND	ND	ND	ND	
Sample 10	ND	ND	ND	ND	ND	ND	
Sample 13/14/17	ND	ND	ND	ND	ND	ND	

1) Detection Limit for each phthalate = 0.005%Remarks: 2) ND= not detected Key DBP = Di-butyl phthalate DEHP = Di (2-Ethylhexyl) phthalate : = Benzyl butyl phthalate = Di-"isonomy" phthalate BBP DINP = Di-"isodecyl" phthalate = Di -n-octal phthalate DIDP DNOP

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### TEST RESULTS

2. CANADA

### 2.1 MECHANICAL AND PHYSICAL TEST

### AS PER CANADA TOYS REGULATIONS, SOR/2011-17

The following clauses are identified to be applicable:

Age grading for testing<br/>Samples Quantity: Ages 12 months+<br/>: 1 style(s) x 1 piece(s)<br/>1 piece-- Ride-on Shape Sorter - Giraffe – Toys Which Are Stationary<br/>And Intended To Bear The Weight Of A Child --[Second Submission<br/>Sample]

<u>Clause</u>	<u>Test Items</u>	Assessment
7	Small parts	Р
8	Exposed Metal Edges	Р
9	Ends	Р
10	Exposed Plastic Parts	Р
11	Exposed Wooden Surfaces, Edges And Corners	Р
13	Fasteners	Р
18	Toys Which Are Stationary And Intended To Bear The Weight Of A Child	Р
29	Stuffing materials	Р
(A)	Clean And Free From Vermin	Р
(B)	Free From Hard And Sharp Foreign Matter	Р
36	Plant seeds-Stuffing material	Р

Remark: P = Pass

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CLIENT: Carpenters Manufactory Limited **REPORT NO:** ADDRESS: Huang Jin Ji Industrial Zone, Shang Jie Village, QiShi DATE: Town, DongGuan City, Guang Dong, China

C80131618 June 16, 2016

### TEST RESULTS

### FLAMMABILITY TEST 2.2

### AS PER CANADA TOYS REGULATIONS SOR/2011-17 SECTION 21 (CELLULOSE NITRATE AND CELLULOID)

- Celluloid (cellulose nitrate) and materials with the same behaviour in fire **Requirement:** (except when used in varnish or paint) shall not be used in the manufacture of toys.
- **Results:** The submitted sample(s) complied with this requirement.

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### **TEST RESULTS**

### 2.3 CHEMICAL TESTS:

### 2.3.1 HEAVY METAL CONTENT TEST :CANADA TOYS REGULATION SOR/2011-17

Requirement : Surface coating applied to Toys shall comply with heavy metal requirement as below table.

**Results:** 

100001000							
	Total	Total	Soluble	Soluble	Soluble	Soluble	Soluble
Elements	Lead	Mercury	Antimony	Arsenic	Barium	Cadmium	Selenium
Limits	< 90	None	< 1000	< 1000	< 1000	< 1000	< 1000
Sample 2	14.6	**N/D	<50.0	<50.0	<50.0	< 50.0	< 50.0
Sample 3	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 4	14.4	**N/D	<50.0	<50.0	<50.0	<50.0	< 50.0
Sample 5	17.6	**N/D	<50.0	<50.0	<50.0	<50.0	< 50.0
Sample 6	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	< 50.0
Sample 7	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	< 50.0
Sample 8	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	< 50.0
Sample 9	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0
Sample 10	<10.0	**N/D	<50.0	<50.0	<50.0	<50.0	<50.0

All concentrations expressed in milligrams per kilogram "<" means "less than" "N/D" means "None Detected" \*\*Detection Limit is 10.0 milligrams per kilogram.

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### **TEST RESULTS**

### 2.3.2 LEAD CONTENT IN PRODUCTS CONTACT WITH MOUTH

- Criteria: The submitted sample shall meet Canada Consumer products containing lead (contact with mouth) regulation and shall not contain total lead content greater than 90 mg/Kg,
- Method: Reference to Canada Product safety reference manual, Book 5, Part B, Method C-02.3 Determination for total lead in polyvinyl by closed-vessel microwave digestion and following by Atomic Absorption Spectrometry (AAS) analysis.

**Results:** 

Total Lead	<u>Sample 1</u>	<u>Sample 2</u>	<u>Sample 3</u>	<u>Sample 4</u>	<u>Sample 5</u>
	<10.0	14.6	<10.0	14.4	17.6
Total Lead	<u>Sample 6</u>	<u>Sample 7</u>	<u>Sample 8</u>	<u>Sample 9</u>	Sample 10
	<10.0	<10.0	<10.0	<10.0	<10.0
Total Lead	Sample 11	<u>Sample 12</u>	<u>Sample 13/14/15</u>	Sample 16/17	Sample 18
	<10.0	<10.0	<10.0	<10.0	<10.0
Total Lead	<u>Sample 19</u> <10.0	<u>Sample 20</u> <10.0	<u>Sample 21</u> <10.0		

All concentrations expressed in milligrams per kilogram "<" means "less than"

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### **TEST RESULTS**

# 2.3.3 TOTAL PHTHALATE TEST: CLIENT'S REQUIREMENT WITH REFERENCE TO CANADA PHTHALATES REGULATION SOR/2010-298

Requirement : The vinyl in a toy or childcare article must contain not more than 1,000 mg/kg of DEHP, DBP, or BBP. The vinyl in any part of a toy or childcare article that can, in a reasonably foreseeable manner, be placed in the mouth of a child under four years of age must contain not more than 1,000 mg/kg of DINP, DIDP, or DNOP.

Method	:	C-34
Results	:	

Sample ID		Plasticiser Values (w/w)				
	DBP	BBP	DEHP	DNOP	DINP	DIDP
Sample 2	ND	ND	ND	ND	ND	ND
Sample 3	ND	ND	ND	ND	ND	ND
Sample 4	ND	ND	ND	ND	ND	ND
Sample 5	ND	ND	ND	ND	ND	ND
Sample 6	ND	ND	ND	ND	ND	ND
Sample 7	ND	ND	ND	ND	ND	ND
Sample 8	ND	ND	ND	ND	ND	ND
Sample 9	ND	ND	ND	ND	ND	ND
Sample 10	ND	ND	ND	ND	ND	ND
Sample 13/14/17	ND	ND	ND	ND	ND	ND

Remar	ks:	,	tion Limit for each phthalate = not detected	0.005%	
Key	:	DBP BBP DIDP	= Dibutyl Phthalate = Benzyl butyl Phthalate = Di-"isodecyl" phthalate	DEHP DINP DNOP	= Di (2-Ethylhexyl) Phthalate = Di-"isononyl" phthalate = Di -n-octyl phthalate

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### **TEST RESULTS**

3. AUSTRALIA

### 3.1 MECHANICAL AND PHYSICAL TEST

# AS PER INTERNATIONAL STANDARD ON SAFETY OF TOYS AS/NZS ISO 8124.1:2013 SAFETY ASPECTS RELATED TO MECHANICAL AND PHYSICAL PROPERTIES.

The following clauses are identified to be applicable:

Age grading for testing<br/>Samples Quantity: Ages 12 months+<br/>: 1 style(s) x 1 piece(s)<br/>1 piece-- Ride-on Shape Sorter - Giraffe – Stability and overload<br/>requirement --[Second Submission Sample]

<u>Clause</u>	<u>Test Items</u>	Assessment
4.1	Normal use	Р
4.2	Reasonably foreseeable abuse	Р
4.3	Material	Р
4.4	Small parts	Р
4.6	Edges	Р
4.7	Points	Р
4.8	Projections	Р
4.11	Cords and elastic	Р
4.13	Holes, clearances and accessibility of mechanisms	Р
4.15	Stability and overload requirement	Р
ANNEX B	Safety labeling guidelines and manufacturer's markings	Р

Remark: P = Pass

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### **TEST RESULTS**

### 3.2 FLAMMABILITY TEST

# AS PER AUSTRALIAN/NEW ZEALAND STANDARD ON SAFETY OF TOYS AS/NZS ISO 8124.2:2009 CLAUSE 4.1 GENERAL REQUIREMENT (CELLULOSE NITRATE):

- Requirement: Celluloid (cellulose nitrate) and materials with the same behaviour in fire (except when used in varnish or paint) shall not be used in the manufacture of toys.
- Results: The submitted sample(s) complied with this requirement.

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### **TEST RESULTS**

### **3.3 CHEMICAL TESTS:**

### 3.3.1 MIGRATION OF CERTAIN ELEMENTS : AZ/NZS ISO 8124.3:2012

ElementsAntimonyArsenicBariumCadmiumChromiumLeadMercurySeleniumLimits $< 60$ $< 25$ $< 1000$ $< 75$ $< 60$ $< 90$ $< 60$ $< 500$ Sample 2 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ Sample 3 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ Sample 4 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ Sample 5 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ Sample 6 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ Sample 7 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ Sample 8 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ Sample 9 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ Sample 10 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ Sample 11 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ Sample 13 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ Sample 14 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ <t< th=""><th>Results:</th><th></th><th></th><th></th><th></th><th></th><th></th><th></th><th></th></t<>	Results:								
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Elements	Antimony	Arsenic	Barium	Cadmium	Chromium	Lead	Mercury	Selenium
Sample 3 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$	Limits	< 60	< 25	< 1000	< 75	< 60	< 90	< 60	< 500
Sample 4 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$	Sample 2	<6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	< 6.0	<6.0
Sample 5 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$	Sample 3	<6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	< 6.0	<6.0
$ \begin{array}{c ccccccccccccccccccccccccccccccccccc$	Sample 4	<6.0	<2.5	<6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 7       <6.0	Sample 5	< 6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	< 6.0	<6.0
Sample 8 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$	Sample 6	< 6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	< 6.0	<6.0
Sample 9 $<6.0$ $<2.5$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<6.0$ $<$	Sample 7	<6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	< 6.0	<6.0
Sample 10 $< 6.0$ $< 2.5$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ $< 6.0$ <td>Sample 8</td> <td>&lt;6.0</td> <td>&lt;2.5</td> <td>&lt;6.0</td> <td>&lt;6.0</td> <td>&lt;6.0</td> <td>&lt; 6.0</td> <td>&lt;6.0</td> <td>&lt;6.0</td>	Sample 8	<6.0	<2.5	<6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 11<6.0<2.516.5<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<	Sample 9	<6.0	<2.5	<6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 12       <6.0	Sample 10	<6.0	<2.5	<6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 13<6.0<2.528.5<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<	Sample 11	<6.0	<2.5	16.5	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 14<6.0<2.5<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<	Sample 12	< 6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	< 6.0	<6.0
Sample 15<6.0<2.5<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<6.0<	Sample 13	<6.0	<2.5	28.5	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 16         <6.0         <2.5         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0	Sample 14	< 6.0	<2.5	<6.0	< 6.0	< 6.0	< 6.0	< 6.0	<6.0
Sample 17         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0         <6.0	Sample 15	<6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	< 6.0	<6.0
I	Sample 16	<6.0	<2.5	<6.0	<6.0	<6.0	< 6.0	<6.0	<6.0
Sample 18 $< 6.0 < 2.5 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 < 6.0 $	Sample 17	<6.0	<2.5	<6.0	<6.0	<6.0	< 6.0	< 6.0	<6.0
	Sample 18	<6.0	<2.5	<6.0	< 6.0	<6.0	< 6.0	< 6.0	<6.0

### **Remark:**

1. Method for determination of each soluble element present

a) Antimony, Arsenic, Barium, Cadmium, Chromium, Lead, Mercury and Selenium are determined by Inductively Coupled Plasma Optical Emission Spectroscopy.

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### **TEST RESULTS**

### 3.3.2 DEHP Content

Criteria: Commonwealth of Australia Trade Practices Act 1974, Consumer Protection Notice No 6 of 2010 Special Gazette No S 19 (2 March 2010)

Method: CPSC-CH-C1001-09.3, Standard operating procedure for determination of phthalates. Results:

Di (2-Ethylhexyl) Phthalate	<u>Limit</u>	<u>Sample 2</u>	Sample 3	Sample 4	Sample 5
(DEHP)	1 %	ND	ND	ND	ND
Di (2-Ethylhexyl) Phthalate	<u>Limit</u>	<u>Sample 6</u>	Sample 7	<u>Sample 8</u>	<u>Sample 9</u>
(DEHP)	1 %	ND	ND	ND	ND
Di (2-Ethylhexyl) Phthalate	<u>Limit</u>	Sample 10	<u>Sample 13/14/17</u>	<u>Sample 15/16</u>	
(DEHP)	1 %	ND	ND	ND	

Remarks: 1) Detection Limit for each phthalate = 0.005% 2) ND= not detected

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### **TEST RESULTS**

4. EU

### 4.1 MECHANICAL AND PHYSICAL TEST

### AS PER EUROPEAN STANDARDS ON SAFETY OF TOYS EN 71-1: 2014

The following clauses are identified to be applicable:

Age grading for testing : Ages 12 months+

**Samples Quantity** 

: 1 style(s) x 1 piece(s)

1 piece-- Ride-on Shape Sorter - Giraffe – Stability and overload requirement --[Second Submission Sample]

<u>Clause</u>	<u>Test Items</u>	Assessment
4.1	Material cleanliness	Р
4.2	Assembly	Р
4.7	Edges	Р
4.8	Points and metallic wires	Р
4.9	Protruding parts	Р
4.15	Toys intended to bear the mass of a child	Р
5.1	General Requirements – Toys intended for children under 36 months	Р
5.2	Soft-filled toys and soft-filled parts of a toy	Р
5.4	Cords, chains and electrical cables in toys	Р
7	Warning, Markings and instructions for use	Р

Remark: P = Pass

Warnings and safety instructions shall be written in the languages easily understood by consumers of the country in which the toy is to be sold. Only English version was reviewed.

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TEST RESULTS

### 4.2 FLAMMABILITY TEST

### AS PER EUROPEAN STANDARD ON SAFETY OF TOYS EN 71-2:2011+ A1:2014 SECTION 4.1 GENERAL REQUIREMENT (CELLULOSE NITRATE):

Requirement: Celluloid (cellulose nitrate), except when used in varnish, paint or glue, or in balls of the type used for table tennis or similar games, and materials with the same behaviour in fire as celluloid, shall not be used in the manufacture of toys.

Results: The submitted sample(s) complied with this requirement.

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### **TEST RESULTS**

### 4.3 CHEMICAL TESTS:

### 4.3.1 ELEMENTS MIGRATION WITH REFERENCE TO 2009/48/EC AND ITS AMENDMENT

Test Method: EN71-3: 2013+A1:2014 Migration of certain elements

Results:						
Elements <sup>1</sup>	Limits	Sample 2	Sample 3	Sample 4	Sample 5	Sample 6
	(Scraped off material)	_	_	_	_	_
Antimony	560	<5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5	<2.5	<2.5
Barium	18750	< 5.0	<5.0	<5.0	<5.0	< 5.0
Cadmium	17	< 5.0	<5.0	<5.0	<5.0	< 5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\Delta}$	${<}0.2^{\Delta}$	$< 0.2^{\Delta}$	${<}0.2^{\Delta}$
Lead	160	< 5.0	<5.0	<5.0	<5.0	< 5.0
Mercury	94	< 5.0	< 5.0	< 5.0	<5.0	< 5.0
Selenium	460	< 5.0	<5.0	<5.0	<5.0	< 5.0
Aluminum	70,000	<50	<50	<50	<50	<50
Boron	15,000	<50	<50	<50	<50	<50
Cobalt	130	< 5.0	< 5.0	< 5.0	<5.0	< 5.0
Copper	7700	<50	<50	<50	<50	<50
Manganese	15,000	<5.0	< 5.0	< 5.0	<5.0	< 5.0
Nickel	930	< 5.0	< 5.0	< 5.0	<5.0	< 5.0
Strontium	56,000	< 5.0	< 5.0	< 5.0	<5.0	< 5.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
TBT)						
Zinc	46,000	2900.0	1145.0	1500.0	2700.0	2400.0

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### **TEST RESULTS**

Results:						
Elements <sup>1</sup>	Limits	Sample 7	Sample 8	Sample 9	Sample 10	Sample 11
	(Scraped off material)	-	-	-	-	-
Antimony	560	< 5.0	< 5.0	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5	<2.5	<2.5
Barium	18750	<5.0	< 5.0	<5.0	< 5.0	16.5
Cadmium	17	< 5.0	< 5.0	<5.0	< 5.0	< 5.0
Chromium III <sup>2</sup>	460	< 0.2	< 0.2	< 0.2	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	$< 0.2^{\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\scriptscriptstyle\Delta}$	$< 0.2^{\Delta}$
Lead	160	<5.0	< 5.0	< 5.0	< 5.0	< 5.0
Mercury	94	<5.0	< 5.0	< 5.0	<5.0	< 5.0
Selenium	460	<5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aluminum	70,000	<50	1300.0	< 50	<50	<50
Boron	15,000	<50	<50	< 50	<50	<50
Cobalt	130	<5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	7700	<50	<50	<50	<50	<50
Manganese	15,000	<5.0	< 5.0	< 5.0	< 5.0	80.5
Nickel	930	<5.0	< 5.0	< 5.0	< 5.0	< 5.0
Strontium	56,000	<5.0	< 5.0	< 5.0	<5.0	< 5.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
TBT)						
Zinc	46,000	<50	295.0	895.0	1150.0	<50
	- ,					

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### **TEST RESULTS**

Results:						
Elements <sup>1</sup>	Limits	Sample 12	Sample 13	Sample 14	Sample 15	Sample 16
	(Scraped off material)					
Antimony	560	<5.0	<5.0	<5.0	<5.0	<5.0
Arsenic	47	<2.5	<2.5	<2.5	<2.5	<2.5
Barium	18750	<5.0	28.5	<5.0	<5.0	<5.0
Cadmium	17	<5.0	< 5.0	< 5.0	< 5.0	<5.0
Chromium III <sup>2</sup>	460	< 0.2	0.400	0.290	< 0.2	< 0.2
Chromium VI <sup>2</sup>	0.2	${<}0.2^{\Delta}$	< 0.2	< 0.2	${<}0.2^{\scriptscriptstyle\Delta}$	${<}0.2^{\Delta}$
Lead	160	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Mercury	94	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Selenium	460	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Aluminum	70,000	<50	<50	<50	<50	<50
Boron	15,000	<50	<50	<50	<50	<50
Cobalt	130	< 5.0	< 5.0	< 5.0	< 5.0	< 5.0
Copper	7700	<50	<50	<50	<50	<50
Manganese	15,000	< 5.0	7.5	< 5.0	< 5.0	< 5.0
Nickel	930	<5.0	< 5.0	< 5.0	< 5.0	< 5.0
Strontium	56,000	7.0	7.5	< 5.0	<5.0	< 5.0
Tin	180,000	<4.0	<4.0	<4.0	<4.0	<4.0
Organic Tin <sup>3</sup>	12					
(Expressed as						
TBT)						
Zinc	46,000	<50	<50	<50	<50	<50
	7					

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CLIENT:Carpenters Manufactory LimitedREPORT NO:C80131618ADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:June 16, 2016Town, DongGuan City, Guang Dong, ChinaTown, DongGuan City, Guang Dong, ChinaDATE:June 16, 2016

### **TEST RESULTS**

Results:			
Elements <sup>1</sup>	Limits	Sample 17	Sample 18
	(Scraped off material)		
Antimony	560	< 5.0	<5.0
Arsenic	47	<2.5	<2.5
Barium	18750	< 5.0	<5.0
Cadmium	17	< 5.0	<5.0
Chromium III <sup>2</sup>	460	< 0.2	0.460
Chromium VI <sup>2</sup>	0.2	$< 0.2^{\Delta}$	< 0.2
Lead	160	< 5.0	<5.0
Mercury	94	< 5.0	<5.0
Selenium	460	< 5.0	<5.0
Aluminum	70,000	<50	<50
Boron	15,000	<50	<50
Cobalt	130	< 5.0	<5.0
Copper	7700	<50	<50
Manganese	15,000	< 5.0	<5.0
Nickel	930	< 5.0	<5.0
Strontium	56,000	< 5.0	<5.0
Tin	180,000	<4.0	<4.0
Organic Tin <sup>3</sup>	12		
(Expressed as			
TBT)			
Zinc	46,000	<50	<50

All concentrations expressed in milligrams per kilogram "<" means "less than"

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CLIENT:Carpenters Manufactory LimitedREPORT NO:CADDRESS:Huang Jin Ji Industrial Zone, Shang Jie Village, QiShiDATE:JTown, DongGuan City, Guang Dong, ChinaDATE:J

C80131618 June 16, 2016

## TEST RESULTS

## **REMARK:**

- 1. Heavy Metals Content are Determined by ICP-MS (Induced Couple Plasma Mass Spectrometry) / ICP-OES (Induced Couple Plasma Optical Emission Spectroscopy)
- If the chromium content of the tested sample does not exceed the limits of chromium III and/or chromium VI, it is deemed to comply on the respective migration requirements of chromium III and/or chromium VI under 2009/48/EC. Otherwise, the compliance on the migration requirements of the individual chromium III and/or chromium VI should be confirmed by further speciation techniques.
  - #: The chromium VI content is determined by LC-ICP-MS
- 3. If the Organic Tin content of the tested sample projected by the tin content does not exceed the limit of organotin, it is deemed to comply on the respective migration requirement of Organic Tin under 2009/48/EC and market with "- -". Otherwise, the compliance on the migration requirement of Organic Tin is confirmed by GCMS analysis with derivatisation
- 4.  $\Delta$ : Chromium VI data is based on total Chromium

## 4.3.2 TOTAL CADMIUM CONTENT AND EUROPEAN REACH REGULATION ANNEX XVII: MICROWAVE DIGESTION AND DETECTED WITH AAS/ICP

### Results:

Element	Total Cadmium
Limit	< 100
Sample 2	<5.0
Sample 3	<5.0
Sample 4	<5.0
Sample 5	<5.0
Sample 6	<5.0
Sample 7	<5.0
Sample 8	<5.0
Sample 9	<5.0
Sample 10	<5.0
Sample 13/14/15	<5.0
Sample 16/17	<5.0

### All concentrations expressed in milligrams per kilogram "<" means "less than"

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### TEST RESULTS

### 4.3.3 TOTAL PHTHALATE TEST AND EUROPEAN REACH REGULATION ANNEX XVII

Test Method : 1	EN 14372: 2004
-----------------	----------------

 Requirement : DEHP, DBP & BBP content shall not be more than 0.1% by weight in toys and children article. DINP, DIDP & DNOP content shall not be more than 0.1% by weight in toys and children article that can be placed in the mouth by children.
 Results :

Sample ID			Plasticiser V	alues (w/w)		
	DBP	BBP	DEHP	DNOP	DINP	DIDP
Sample 2	ND	ND	ND	ND	ND	ND
Sample 3	ND	ND	ND	ND	ND	ND
Sample 4	ND	ND	ND	ND	ND	ND
Sample 5	ND	ND	ND	ND	ND	ND
Sample 6	ND	ND	ND	ND	ND	ND
Sample 7	ND	ND	ND	ND	ND	ND
Sample 8	ND	ND	ND	ND	ND	ND
Sample 9	ND	ND	ND	ND	ND	ND
Sample 10	ND	ND	ND	ND	ND	ND
Sample 13/14/17	ND	ND	ND	ND	ND	ND
Sample 15/16	ND	ND	ND	ND	ND	ND

Remarks: 1) Detection Limit for each phthalate = 0.005% 2) ND = not detected

Key	:	DBP	= Di-butyl phthalate	DNOP	= Di-n-octyl phthalate
		BBP	= Butyl-benzyl phthalate	DINP	= Di-iso-nonyl phthalate
		DEHP	= Di-(2-ethyl-hexyl) phthalate	DIDP	= Di-iso-decyl phthalate

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### TEST RESULTS

Key to sample(s):

Sample 1	=	Silvery metal (axle)
Sample 2	=	Bright red coating on wood (logo & pentagon block) (A1Y)
Sample 3	=	Orange coating on wood(star block)t(A2Y)
Sample 4	=	Light yellow coating on plywood/wood (pattern on body of giraffe & square block) (A3Y)
Sample 5	=	Light green coating on wood (logo,triangle block) (A6Y)
Sample 6	=	Light blue coating on wood(circle block)(A8Y)
Sample 7	=	Clear Lacquer on wood/plywood (body) (A21Y)
Sample 8	=	White coating on wood(A16Y)(lettering on all blocks)
Sample 9	=	Navy blue coating on wood(A20Y)(arrow block)
Sample 10	=	Dark brown coating on plywood/wood(A10Y)(body of giraffe & blcok on tail)
Sample 11	=	Brown wood (body,all blocks)
Sample 12	=	Beige plywood (body)
Sample 13	=	Beige soft plastic (seat)
Sample 14	=	Black soft plastic (tyre)
Sample 15	=	Khaki plastic (wheels)
Sample 16	=	Brown plastic (wheels)
Sample 17	=	Translucent dry glue (tail)
Sample 18	=	Beige cord (tail)
Sample 19	=	Silvery metal (big screw)
Sample 20	=	Silvery metal(small screw)
Sample 21	=	Silvery metal (nut)

Date(s) of test(s) conducted:

March 7, 2016 to March 17, 2016 April 13, 2016 to June 14, 2016 [Second Submission Sample]

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**Product Photo:** 



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UL VS Shanghai Limited Shenzhen Branch 3-4F Qingyi Supermask Photoelectricity Building, No.8 Langshan 2<sup>nd</sup> Road, North High-Tech Industrial Park, Nanshan District, Shenzhen, P.R. China 优力胜邦质量检测(上海)有限公司探圳分公司 广东省深圳市南山区高新科技园北区钥山二路 8 号清溢光电大厦三、四楼 电话(T): 755-26018600 / 传真 (F): 755-26018626 / 网址(W): UL.com/Consumer-products

### APPENDIX 1 - TERMS AND CONDITIONS OF SERVICE / 附件一:服务所依据的条款和条件

### UL VS Shanghai Limited-Shenzhen Branch ("UL VS") undertakes to provide services to its Customer subject to the terms and conditions contained herein. 优力胜邦质量检测(上海)有限公司深圳分公司("乙方")承诺根据以下所列的条款向客户("甲方")提供服务。

The term of limitation of liability contained herein has been conspicuously marked to draw the attention of the Customer, the full and complete explanation of the working and legal significance of this term have been made to the Customer by UL-VS The Customer agrees that this term shall be construed as a provision of the agreement between UL-VS and lised, based to in the full and complete understanding of the working and legal significance of this term. Zint Amplitang Regulations and the state of the term. Zint Amplitang Regulations and Regulations an

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- 会用计算和付款 (a) Consulting time shall be charged on a daily basis. 容询时间应当以日为基础计费。
  (b) Where the personnel Of UL VS are assigned by its Customer to any in-house projects, the Customer shall be billed on an hourly basis on the compensation rates of its personnel. 当乙方的人及其权力方指定在问答项目, 可方应当以小时为基础按此考入员的展展费率进行计费。
  Disbursements incurred on the Customer's behalf such as expenditure for communications, transportation, travel, the purchase of any materials, tools, equipment, components or parts which are directly related to the service shall be billed at costs and shall handling charge at the discretion of UL VS.
  为甲方面产生的开关如与服务直接相关的通讯, 交通, 差底, 剩买代程照料, 工具, 设备, 零件规能件的费用, 应当会成本有用方计费, 且应该合一笔由乙方改定的方理手续费。
- 1.3
- 1.4
- 1.5
- 为中方面产生的开发如与服务直接相关的通讯、交通、差集、购先任有原料、工具、设备、零件集集件的费用。应当接成有师方计费、且应包含一笔由乙方按定的合理手续费。 Where in the option of UL VS the services are time consuming entaining the use of special equipment and a disbursements, the Customer shall be charged on an "equipment-hour" basis on the time spent. 当乙方解服务务指称无意地可的。 与我使用务装置多点发出时,对于方规所提供的一笔 28~小时"方量磁化收费用. 中方承担人员们方式文付、或用模型之间不能是 such charged enter as ULV Smart from time to time specify. Payment made by post shall be at the risk of the Customer. Hou Customer undertakes during the continuance of this Agreement -中方承担在本验及存录期间--() be purctained to the customer from time to time; () be purctained to the customer from time to time; () be purctained pay all billing entered to the customer from time to time; () be purctained for the customer from time to time; () be purctained for the customer from time to time; () be purctained for the customer from time to time; () be purctained for the customer from time to the date of Invoice or the date of the Debit Note ; pay and the fixe, fixe, disc, disc, disc, dist, disc, d

- (c) where the Customer fails to pay within time, UL VS shall charge interests on overdue involves at the rate of 2.29 per internation of 2.49 per internation of

- NTIAL TREAT INFO INFO ONE AT LINE AT 22
- 2.3
- 行义为州安衡。或该信息在根据不紊就规定问则有管理权的法运出其的判决或止力义下或根据上述则有管理化因数机则规定的参。通知要求必要规模的。 UUL VS undertakes that the identity of its Customers and the nature of services rendered shall be kept confidential unless the Customer agrees in writing to their release <u>Pro</u> of the Customer is generally known to the public. 乙方能试剂其中方的身份的研模规模服务的性质保密。除非中方书面同意调题。但若在乙方方面没有过错行为或失误的情况下,甲方的身份被公众普遍知悉。乙方不承担责任。

### PATENT RIGHTS 第三条 专利权利

1.6

- y invention made in the performance of work for the Customer by UL VS within the field of work undertaken for the Customer, belongs to the Custo 为甲方履行工作的过程中,在为甲方所承担的工作范围内由乙方作出的任何发明属于甲方。
- 32 UL VS's use of the aforesaid inventions shall be free of any royalty fees provided that the uses of such inventions are confined to the performance of the work for the Customer. 在为甲方履行工作的过程中使用上述发明,乙方应当免付专利使用费。

## LIMITATION OF LIABILITY 第四条 责任限制

### 第五条 补偿

## in the event of actual or threatened suit against UL VS in relation to the services undertaken on behalf of the Customer or in relation to any of the Products or the Trade Mark or Patent of the Customer or of any allegation of infringement of any letters patent, registered design, trade mark or trade name, the Customer shall indemnify UL VS harmless from any liability, action, claim, demnand, costs, hardes and expenses arising *there from* or expense including solicitors fees, coursel's fees in defending such actions <u>Provided Always</u> that the Customer will all to some election either effect any settlement or componing or all is own expenses defend any such action or proceeding and the Customer will all the some aft af a Cu / Ty // Ty // Relding Britky and the Customer will all the some aft af a Cu // Ty // Ty // Relding Britky and the Customer will all the customer or all gave the customer or componing effect. aft af a Cu // Ty // Ty // Relding Britky and the Customer will all the Customer or all a some effect and aft af a Cu // Ty // Ty // Relding Britky Br

### SOLICITATION OF EMPLOYEES 第六条 雇员引诱

ーメージ It is mutually agreed that neither party shall solicit the employees of the other for employment or hire unless prior written consent to do so is obta 双方同意除非得到事先书面同意,任何一方均不得引诱雇佣或费用另一方的雇员。

## EFFECT OF PROPOSAL 第七条 建议书的效力

■本 FFIXの
The accompanying proposal is valid for a period of ninety (90) days from the date of the proposal unless extended in writing by UL VS. Upon the acceptance of such proposal, this appendix shall form part of the Agreement with the Customer and notwithstanding any prior discussions or prior oral or writing agreements to the contrary, the terms and conditions herein shall be applicable and take precedence over any conflicting terms contained in any documents submitted by the Customer. 所用之规认书。 能非自己方书面延展,其有效期为建设书出其之日起九十(90)日。一旦接受此建设书,本带件应当构成与甲方之协议的一部分,且无论之前是否有与之相反的任何讨论或以支或书面协议。本文中的条款和条件应当适用于、且取代甲方提交的任何文件中所包含的任何与之 机冲的终端。

### DATA AND DOCUMENT RETENTION 第八条 教器和文件保密

- After the services are rendered, UL VS may retain a copy of all documents relating to the services (the "Supporting Documents") for as long as UL VS, in its sole discretion, deems fit. 在提供服务后,乙方可以在其认为合适时保留一份与其服务相关的所有文件("支持文件")的复印件。
- 在提供服务系。乙方可以在其认为合适时使智一合其服务相关的所有文件(\*文教文件\*\*)的复印件. Unless otherwise specified or required by the applicable law, all Supporting Documents lows 7 years are scheduled to be destroyed, UL VS shall give the Customer at base specified or required by the applicable law, all Supporting Documents less than 3 years are scheduled to be destroyed, UL VS shall give the Customer at base specified or required by the applicable law, all Supporting Documents shall be destroyed. UL VS shall give the Customer at base sense, those documents shall be destroyed. We 为有说明或法规所需,所有超过 3 年的支持文件特面之方用或情况,不通知中方。若任将ウ三年的支持文件将被调侃、乙方应当按最后被其知悉的中方地址给予甲方一份 30 日期限的书面通知,告知其情觉该之作的意愿。除非甲方向乙方提出书面请求,要求考此等文件交付给 甲方,并且适调本上上 30 日期期前述达乙方并由可为用量用。否则是专文件按键错型. The Customer at hall indemnify UL VS for any costs or exponses in responding to or oposing subports, the production of any documents in Court seeking the disclocure of the said documents or any information contained therein. 中方应当验检己方列指回该对估计算关某人中告诉任有多点的主义是有任何多价性有意的任何结论的性情。实行的正常知道我要求考虑与这样在任何方法的正确的生产生的支持文件的支持文件支持之并不可能力的工作。 (b)

## GOVERNING LA 第九条 适用法律 9.1 This Ag

This Agreement and the rights and obligations of the parties shall in all respects be governed, construed, interpreted and operated in accordance with the relevant Chinese laws and regulations. 本协议和双方的权利义务在各方面都应当由相关的中国法律法规管辖、推断、解释和操作。

### OBLIGATIONS OF THE CUSTOMER 甲方的义务

- #7的交易
  #7的交易
  If the Customer intends to change the work hereunder or assign any other work to UL VS, such a change or new assignment shall be subject to a separate negotiation and agreement between both of the parties. If UL VS suffers any loss or damage because the Customer shall component and on components that the subject to a separate negotiation and agreement between both of the parties. If UL VS suffers any loss or damage because the Customer shall components for such losses and damages.
  #71/6 20 # Monitor Technical Components (Technical Components)
  #71/6 20 # Monitor Technical Components (Technical Components)
  #71/6 20 # Monitor Technical Components
  #71/6 20 # Monitor T 10.2

### SAMPLES 第十一条 样品

### MISCELLANEOUS PROVISIONS 第十三条 其他规定

- 13.2
- 13.3
- 13.4
- 13.5

# 

### SUNFI 第二条 信息的保密处理