

# TEST REPORT

Report No.: R1SZ3-200330-02952E

Date: April 15, 2020

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K&M International, INC.  
1955 MIDWAY DRIVE, TWINSBURG OHIO 44087

Report on the submitted samples said to be:

Samples description:	Please refer to Sample List
item No.:	Please refer to Sample List
Lot No.:	Please refer to Sample List
Labeled Age Grading:	2+
State age grade for testing:	10 months and up
Appropriate Age Grading:	Over 2 years of age
Tested Age Grading:	10 months and up
Country of Origin:	CHINA
Country of Destination:	USA&EU&AU&CAN
Supplier:	QL0001
Sample Receiving Date:	March 30,2020
Lately Re-submit Date:	April 14,2020
Testing Period:	March 30,2020 - April 14,2020
Result:	<b>Pass</b>

Signed for and on behalf of

BACL



Checked by: \_\_\_\_\_  
May Chen



Approved by: \_\_\_\_\_  
Gary Guo



\_\_\_\_\_  
Lance Lee



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Summary of Test Result:

<u>TEST REQUEST</u>	<u>CONCLUSION</u>
A. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety	
A.1 Mechanical and Physical Tests	Pass
A.2 Flammability Tests	Pass
A.3 Total Lead content	Pass
A.4 Soluble heavy metal content	Pass
B. CPSC Regulation	
B.1 Mechanical and Physical Tests	Pass
B.2 Flammability Tests	Pass
B.3 Total Lead content	Pass
C. US Consumer Products Safety Improvement Act of 2008(H.R. 4040) title 1, section 101 for total lead content	Pass
D. Consumer Product Safety Commission 16 CFR Part 1307:Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates	Pass
E. US California Proposition 65. on Lead content	Pass*1
F. US California Proposition 65. on Phthalates content	Pass*1
G. Illinois Bill SB-2860,Public act 095-1019, "The Lead Poisoning Prevention Act" on Total Lead content	Pass
H. European Standard on Safety of Toys	
H.1 EN 71-1:2014 + A1:2018 - Mechanical and Physical Properties	Pass
H.2 EN 71-2:2011+A1:2014 - Flammability Tests	Pass
H.3 EN 71-3:2019 - Migration of Certain Elements Tests(Category III)	Pass
I. Entry 23 of Annex XVII of Reach regulation (EC) No 1907/2006 and its amendment Commission Regulation (EC) No 552/2009 and (EU) No 494/2011 and (EU) No 835/2012 and (EU) No 2016/217 on Cadmium (Cd ) (formerly known as 91/338/EEC)	Pass
J. Entry 51&52 of Annex XVII to Reach regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2015/326 on Phthalates content (formerly known as 2005/84/EC)	Pass
K. Entry 51 of Annex XVII to Reach regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2015/326 on Phthalates content (formerly known as 2005/84/EC)	Pass
L. Entry 43 of Annex XVII to Reach regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) No 126/2013 on AZO colorants content	Pass
M. AS/NZS ISO 8124	



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M.1 AS/NZS 8124.1:2016 - Mechanical and Physical Tests	Pass
M.2 AS/NZS 8124.2:2016 - Flammability Tests	Pass
M.3 AS/NZS ISO 8124.3:2012+A1:2016 - Migration of Certain Elements Tests	Pass
N. Australia Consumer protection notice No.11 of 2011 - DEHP content	Pass
O. Canada Consumer Product Safety Act (CCPSA) - Toys Regulations, SOR/2011-17+SOR/2018-138	
O.1 Mechanical and Physical Tests	Pass
O.2 Flammability Tests	Pass
O.3 Toxicological Hazards content-Specific substances in surface coatings & plastic material (products under 3 years)	Pass
P. Canada Consumer Product Safety Act (CCPSA) - Phthalates Regulations, SOR/2016-188 Phthalates content	NA
Q. Canada Consumer Product Safety Act (CCPSA) - Surface coating materials regulations, SOR/2016-193	Pass
R. Canada Consumer Product Safety Act (CCPSA) - Consumer product containing lead regulations, SOR /2018-83	Pass
S. US Consumer Products Safety Improvement Act of 2008(H.R. 4040) title 1, section 103:Tracking Label for Children's Product	Pass

Pass\*1=Meet the requirement of Client.

NA = Not Applicable.

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Sample List:

item No.	Samples description	Lot No.
21429	HUGGERS RET FROG	E4
21677	HUGGERS MONKEY	E4
19563	HUGGERS SLOTH	E4
21093	HUGGERS KOALA	E4
19556	HUGGERS WOLF	E4
19560	HUGGERS WWHITE TIGER	E4

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**Result:**

Tested part(s):

- (1) Black/red/white coating(label) [1] [2] [3] [4] [5] [6]
- (2) Clear plastic(eyes) [1] [2] [3] [4] [5] [6]
- (3) Black plastic(nose) [4] [5]
- (4) Golden coating(back of eyes) [5]
- (5) Beige plastic(back of eyes/nose) [1] [4]
- (6) Black plastic(back of eyes) [1] [2] [3] [4] [5] [6]
- (7) White EVA/clear glue(back of eyes/nose) [1] [2] [3] [4] [5] [6]
- (8) White PVC(interlayer of forelimb) [1] [2] [3] [4] [5] [6]
- (9) White plastic(back of eyes/nose) [2] [3] [5]
- (10) Off-white plastic(back of eyes) [4]
- (11) Red coating(back of eyes) [1]
- (12) Multi-color glitter(back of eyes) [2]
- (13) Coffee coating(back of eyes) [3] [4]
- (14) Clear plastic(interlayer of forelimb) [1] [2] [3] [4] [5] [6]
- (15) White fabric(muzzle) [5]
- (16) Orange/white fabric(label) [1] [2] [3] [4] [5] [6]
- (17) Green fabric(body) [1]
- (18) Orange fabric(limbs) [1]
- (19) Red thread(mouth) [1]
- (20) Red plush(body) [2]
- (21) Nude fabric(ears/muzzle/limbs) [2] [3]
- (22) Fuchsia fabric(face/abdomen) [2]
- (23) Nude felt(eyes) [2]
- (24) Black embroidery(muzzle) [2] [6]
- (25) Black thread(nose/muzzle) [2] [5]
- (26) Grey-green plush(body) [3]
- (27) Black fabric(nose) [3]
- (28) Brown fabric(eyes) [3]
- (29) Grey fabric(muzzle) [3]
- (30) Grey plush(body) [4]
- (31) Grey thread(chin) [4]

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- (32) Grey-brown fabric(feet) [4]
- (33) Black/beige plush(body) [5]
- (34) Beige fabric(ears/limbs) [5]
- (35) Beige plush(face) [5]
- (36) Brown fabric(nose) [5]
- (37) Dark grey fabric(ears) [5]
- (38) White fabric(label) [1] [2] [3] [4] [5] [6]
- (39) White thread(chin) [1] [2] [3] [5] [6]
- (40) White fabric(chin/abdomen) [1]
- (41) White fabric(face) [3]
- (42) White plush(ears) [4]
- (43) White fabric(mouth) [4]
- (44) Nude pink plastic(nose) [6]
- (45) Blue coating(back of eyes) [6]
- (46) Translucent white plastic(back of nose/eyes) [6]
- (47) Black/white plush(body) [6]
- (48) Black fabric(ears) [6]
- (49) White fabric(ears/muzzle/limbs) [6]

Note:

[1]21429; [2]21677; [3]19563; [4]21093; [5]19556; [6]19560

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## A. ASTM F963-17 Standard Consumer Safety Specification for Toy Safety

### A.1 Mechanical and Physical Tests

Section	Description	Result
4	Safety requirements	
4.1	Material quality	Pass
4.3.7	Stuffing materials	Pass
4.4	Electrical/thermal energy	NA
4.5	Sound producing toys	NA
4.6	Small objects	Pass
4.7	Accessible edges	Pass
4.8	Projections	NA
4.9	Accessible points	Pass
4.10	Wires or rods	NA
4.11	Nails and fasteners	NA
4.12	Plastic film	Pass
4.13	Folding mechanisms and hinges	NA
4.14	Cords and elastics in toys	NA
4.15	Stability and over-load requirements	NA
4.16	Confined spaces	NA
4.17	Wheels, tires, and axles	NA
4.18	Holes, clearance, and accessibility of mechanisms	NA
4.19	Simulated protective devices	NA
4.20	Pacifiers	NA
4.21	Projectile toys	NA
4.22	Teethers and teething toys	NA
4.23	Rattles	NA
4.24	Squeeze toys	NA
4.25	Battery-operated toys	NA
4.26	Toys intended to be attached to a crib or playpen	NA
4.27	Stuffed and beanbag-type toys	Pass
4.28	Stroller carriage toys	NA
4.29	Art materials	NA
4.30	Toy gun marking	NA

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<u>Section</u>	<u>Description</u>	<u>Result</u>
4.31	Balloons	NA
4.32	Certain toys with nearly spherical ends	NA
4.33	Marbles	NA
4.34	Balls	NA
4.35	Pompoms	NA
4.36	Hemispheric-shaped objects	NA
4.37	Yo Yo elastic tether toys	NA
4.38	Magnets	NA
4.39	Jaw entrapment in handles and steering wheels	NA
4.40	Expanding Materials	NA
4.41	Toy Chests	NA
5	Labeling requirements	Pass
6	Instructional literature	Pass
7	Producer's markings	Pass

NA = Not Applicable.

Use and abuse testing:

<u>Applicable section</u>	<u>Description</u>	<u>Test Condition</u>
8.7	Drop test	10 drops at 4.5 ft.
8.8	Torque test	4 in-lbs.
8.9	Tension test	15 lbs.
8.10	Compression test	NA

## **A.2 Flammability Tests**

### **Flammability Tests of material**

Test method: ASTM F963-17 Section 4.2 and Annex A5: Flammability Testing Procedure for Solids and Soft Toys

<u>Sample</u>	<u>Burn rate (in/sec.)</u>	<u>Conclusion</u>
Huggers sloth (19563)	IBE	Pass

Note: In accordance with the ASTM F963, the burning rate should not be greater than 0.1 inch per second.

All styles of submitted samples were tested, the above result only showed the most severe burn rate of submitted samples.

DNI = Did Not Ignite      IBE = Ignited But Extinguished



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### A.3 Total Lead content

#### Total Lead content(in paint and similar surface-coating materials)

Test method: CPSC-CH-E1003-09.1-2011

Item	Unit	MDL	Result			Limit
			(1)	(4)	(45)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	90
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

#### Total Lead content(in substrates)

Test method: CPSC-CH-E1002-08.3-2012;CPSC-CH-E1001-08.3-2012

Item	Unit	MDL	Result						Limit
			(2)+(3)	(5)+(6)+(7)	(8)	(9)+(10)	(44)	(46)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

### A.4 Soluble heavy metal content

#### Soluble heavy metal content(in paint and similar surface-coating materials)

Test method: ASTM F963-17 (Clause 4.3.5& 8.3)

Item	Unit	MDL	Result						Limit
			(1)	(2)	(3)	(4)	(5)	(6)	
Lead(Pb)	mg/Kg	10	N.D.						90
Antimony(Sb)	mg/Kg	10	N.D.						60
Arsenic(As)	mg/Kg	5	N.D.						25
Barium(Ba)	mg/Kg	10	N.D.						1000
Cadmium(Cd)	mg/Kg	10	N.D.						75
Chromium(Cr)	mg/Kg	10	N.D.						60
Mercury(Hg)	mg/Kg	10	N.D.						60
Selenium(Se)	mg/Kg	10	N.D.						500
<b>Conclusion</b>	/	/	<b>Pass</b>						/

#### Soluble heavy metal content(in substrates)

Test method: ASTM F963-17 (Clause 4.3.5& 8.3)

Item	Unit	MDL	Result						Limit
			(2)	(3)	(15)	(16)	(17)	(18)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60

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Item	Unit	MDL	Result						Limit
			(2)	(3)	(15)	(16)	(17)	(18)	
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(19)	(20)	(21)	(22)	(23)	(24)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(25)	(26)	(27)	(28)	(29)	(30)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

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Item	Unit	MDL	Result						Limit
			(31)	(32)	(33)	(34)	(35)	(36)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(37)	(38)	(39)	(40)	(41)	(42)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result					Limit
			(43)	(44)	(47)	(48)	(49)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	60
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	60

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Item	Unit	MDL	Result					Limit
			(43)	(44)	(47)	(48)	(49)	
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	500
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

## B. CPSC Regulation

### B.1 Mechanical and Physical Tests

Section	Description	Result
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
16 CFR 1500.49	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
16 CFR 1501	Method for 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	Pass

Use and abuse testing:

Applicable section	Description	Test Condition
16 CFR 1500.51	Drop test	10 drops at 4.5ft.
16 CFR 1500.53	Torque test	4 in-lbs or 180°
16 CFR 1500.53	Tension test	15 lbs
16 CFR 1500.53	Compression test	NA

### B.2 Flammability Tests

#### Flammability Tests

Test method: FHSA 16 CFR 1500.44: Method for determining extremely flammable and flammable solids.

Sample	Burn rate (in/sec.)	Conclusion
Huggers sloth (19563)	IBE	Pass

Note: In accordance with the FHSA 16 CFR 1500.3 (c) (6) (vi), the burning rate should not be greater than 0.1 inch per second.

All styles of submitted samples were tested, the above result only showed the most severe burn rate of submitted samples.

DNI = Did Not Ignite IBE = Ignited But Extinguished

### B.3 Total Lead content

Test method: CPSC-CH-E1003-09.1-2011

Item	Unit	MDL	Result			Limit
			(1)	(4)	(45)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	90
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

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**C. US Consumer Products Safety Improvement Act of 2008(H.R. 4040) title 1, section 101 for total lead content**

**Total Lead content(in paint and similar surface-coating materials)**

Test method: CPSC-CH-E1003-09.1-2011

Item	Unit	MDL	Result			Limit
			(1)	(4)	(45)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	90
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

**Total Lead content(in substrates)**

Test method: CPSC-CH-E1002-08.3-2012;CPSC-CH-E1001-08.3-2012

Item	Unit	MDL	Result						Limit
			(2)+(3)	(5)+(6)+(7)	(8)	(9)+(10)	(44)	(46)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

**D. Consumer Product Safety Commission 16 CFR Part 1307:Prohibition of Children's Toys and Child Care Articles Containing Specified Phthalates**

Test method: CPSC-CH-C1001-09.4-2018

Item	Unit	MDL	Result					Limit
			(1)	(2)+(3)	(4)	(5)+(6)+(7)	(8)	
Dibutyl Phthalate(DBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Benzyl Butyl Phthalate(BBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	236	1000
Diisononyl Phthalate(DINP)	mg/Kg	60	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Di-n-pentyl Phthalate(DPENP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Di-n-hexyl Phthalate (DHEXP/DnHP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Dicyclohexyl Phthalate(DCHP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result				Limit
			(9)+(10)	(44)	(45)	(46)	
Dibutyl Phthalate(DBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	1000
Benzyl Butyl Phthalate(BBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	1000

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Item	Unit	MDL	Result				Limit
			(9)+(10)	(44)	(45)	(46)	
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	1000
Diisononyl Phthalate(DINP)	mg/Kg	60	N.D.	N.D.	N.D.	N.D.	1000
Diisobutyl phthalate(DIBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	1000
Di-n-pentyl Phthalate(DPENP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	1000
Di-n-hexyl Phthalate (DHEXP/DnHP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	1000
Dicyclohexyl Phthalate(DCHP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	1000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

## E. US California Proposition 65. on Lead content

### Total Lead content(in paint and similar surface-coating materials)

Test method: CPSC-CH-E1003-09.1-2011

Item	Unit	MDL	Result			Client's Limit
			(1)	(4)	(45)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	90
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

### Total Lead content(in substrates)

Test method: CPSC-CH-E1001-08.3-2012;CPSC-CH-E1002-08.3-2012

Item	Unit	MDL	Result					Client's Limit	
			(2)+(3)	(5)+(6)+(7)	(8)	(9)+(10)	(44)		(46)
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

## F. US California Proposition 65. on Phthalates content

Test method: CPSC-CH-C1001-09.4-2018

Item	Unit	MDL	Result					Client's Limit
			(1)	(2)+(3)	(4)	(5)+(6)+(7)	(8)	
Dibutyl Phthalate(DBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Benzyl Butyl Phthalate(BBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	236	1000
Diisononyl Phthalate(DINP)	mg/Kg	60	N.D.	N.D.	N.D.	N.D.	N.D.	1000

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Item	Unit	MDL	Result					Client's Limit
			(1)	(2)+(3)	(4)	(5)+(6)+(7)	(8)	
Diisodecyl Phthalate(DIDP)	mg/Kg	60	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Di-n-hexyl Phthalate (DHEXP/DnHP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	1000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result				Client's Limit
			(9)+(10)	(44)	(45)	(46)	
Dibutyl Phthalate(DBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	1000
Benzyl Butyl Phthalate(BBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	1000
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	1000
Diisononyl Phthalate(DINP)	mg/Kg	60	N.D.	N.D.	N.D.	N.D.	1000
Diisodecyl Phthalate(DIDP)	mg/Kg	60	N.D.	N.D.	N.D.	N.D.	1000
Di-n-hexyl Phthalate (DHEXP/DnHP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	1000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

## G. Illinois Bill SB-2860, Public act 095-1019, "The Lead Poisoning Prevention Act" on Total Lead content

Test method: CPSC-CH-E1003-09.1-2011

Item	Unit	MDL	Result			Limit
			(1)	(4)	(45)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	See Remark
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Limit Remark:

According to Illinois Lead Poisoning Prevention Act 410 ILCS 45 Section 6 (Public Act 97-612), effective January 1, 2010, children's products that contain a total Lead content in any component part the product that is more than 0.004% but less than 0.009% for surface coating /0.01% for non-surfacing coating by total weight or a lower standard for Lead content as may be established by federal or state law or regulation should bear a warning statement indicates that at least one component part of the item contains Lead. However, no such appropriate warning statement was found.

## H. European Standard on Safety of Toys

### H.1 EN 71-1:2014 + A1:2018 - Mechanical and Physical Properties

Section	Description	Result
4	General Requirements	
4.1	Material cleanliness	Pass
4.2	Assembly	NA

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<u>Section</u>	<u>Description</u>	<u>Result</u>
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	Pass
4.8	Points and metallic wires	Pass
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
4.26	Toy Disguise Costumes	NA
4.27	Flying toys	NA
5	Toys intended for children under 36 months	
5.1	General requirements	Pass
5.2	Soft-filled toys and soft-filled parts of a toy	Pass
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid-filled toys	NA
5.6	Speed limitation of electrically-driven ride-on toys	NA
5.7	Glass and porcelain	NA



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Section	Description	Result
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA
5.15	Sledges with cords for pulling	NA
6	Packaging	Pass
7	Warnings, markings and instructions for use	NR

NA = Not Applicable.

NR = Not Requested.

## H.2 EN 71-2:2011+A1:2014 - Flammability Tests

Section	Description	Result
4	Requirements	
4.1	General	Pass
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-filled toys	Pass

NA = Not Applicable.

## H.3 EN 71-3:2019 - Migration of Certain Elements Tests(Category III)

Test method: EN 71-3:2019

Item	Unit	MDL	Result						Limit
			(1)	(2)	(3)	(15)	(16)	(17)	
Aluminium(Al)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	70000
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	560
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	47
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	18750
Boron(B)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000
Cadmium(Cd)	mg/Kg	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	17
trivalent chromium(Cr III)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460
hexavalent chromium(Cr VI)	mg/Kg	0.050	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.053

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Item	Unit	MDL	Result						Limit
			(1)	(2)	(3)	(15)	(16)	(17)	
Cobalt(Co)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	130
Copper(Cu)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7700
Lead(Pb)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	23
Manganese(Mn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	94
Nickel(Ni)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	930
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460
Strontium(Sr)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	56000
Tin(Sn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	180000
Organic Tin(OT <sup>+</sup> )	mg/Kg	2.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	12
Zinc(Zn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	46000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(18)	(19)	(20)	(21)	(22)	(23)	
Aluminium(Al)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	70000
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	560
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	47
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	18750
Boron(B)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000
Cadmium(Cd)	mg/Kg	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	17
trivalent chromium(Cr III)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460
hexavalent chromium(Cr VI)	mg/Kg	0.050	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.053
Cobalt(Co)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	130
Copper(Cu)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7700
Lead(Pb)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	23
Manganese(Mn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	94
Nickel(Ni)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	930
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460
Strontium(Sr)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	56000

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Item	Unit	MDL	Result						Limit
			(18)	(19)	(20)	(21)	(22)	(23)	
Tin(Sn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	180000
Organic Tin(OT <sup>+</sup> )	mg/Kg	2.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	12
Zinc(Zn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	46000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(24)	(25)	(26)	(27)	(28)	(29)	
Aluminium(Al)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	70000
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	560
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	47
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	18750
Boron(B)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000
Cadmium(Cd)	mg/Kg	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	17
trivalent chromium(Cr III)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460
hexavalent chromium(Cr VI)	mg/Kg	0.050	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.053
Cobalt(Co)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	130
Copper(Cu)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7700
Lead(Pb)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	23
Manganese(Mn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	94
Nickel(Ni)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	930
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460
Strontium(Sr)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	56000
Tin(Sn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	180000
Organic Tin(OT <sup>+</sup> )	mg/Kg	2.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	12
Zinc(Zn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	46000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(30)	(31)	(32)	(33)	(34)	(35)	
Aluminium(Al)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	70000
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	560

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Item	Unit	MDL	Result						Limit
			(30)	(31)	(32)	(33)	(34)	(35)	
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	47
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	18750
Boron(B)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000
Cadmium(Cd)	mg/Kg	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	17
trivalent chromium(Cr III)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460
hexavalent chromium(Cr VI)	mg/Kg	0.050	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.053
Cobalt(Co)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	130
Copper(Cu)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7700
Lead(Pb)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	23
Manganese(Mn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	94
Nickel(Ni)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	930
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460
Strontium(Sr)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	56000
Tin(Sn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	180000
Organic Tin(OT <sup>+</sup> )	mg/Kg	2.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	12
Zinc(Zn)	mg/Kg	50	N.D.	N.D.	1376	N.D.	N.D.	N.D.	46000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(36)	(37)	(38)	(39)	(40)	(41)	
Aluminium(Al)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	70000
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	560
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	47
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	18750
Boron(B)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000
Cadmium(Cd)	mg/Kg	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	17
trivalent chromium(Cr III)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460
hexavalent chromium(Cr VI)	mg/Kg	0.050	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.053
Cobalt(Co)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	130
Copper(Cu)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7700

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Item	Unit	MDL	Result						Limit
			(36)	(37)	(38)	(39)	(40)	(41)	
Lead(Pb)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	23
Manganese(Mn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	94
Nickel(Ni)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	930
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460
Strontium(Sr)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	56000
Tin(Sn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	180000
Organic Tin(OT*)	mg/Kg	2.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	12
Zinc(Zn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	46000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(42)	(43)	(44)	(47)	(48)	(49)	
Aluminium(Al)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	70000
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	560
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	47
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	18750
Boron(B)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000
Cadmium(Cd)	mg/Kg	4	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	17
trivalent chromium(Cr III)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460
hexavalent chromium(Cr VI)	mg/Kg	0.050	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.053
Cobalt(Co)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	130
Copper(Cu)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7700
Lead(Pb)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	23
Manganese(Mn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	94
Nickel(Ni)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	930
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460
Strontium(Sr)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	56000
Tin(Sn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	180000
Organic Tin(OT*)	mg/Kg	2.5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	12

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Item	Unit	MDL	Result						Limit
			(42)	(43)	(44)	(47)	(48)	(49)	
Zinc(Zn)	mg/Kg	50	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	46000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Remark I:

Category I: in dry, brittle, powder-like or pliable toy material

Category II: in liquid or sticky toy material

Category III: in scraped-off toy material

RemarkII:

Soluble Chromium (III) = soluble Chromium – soluble Chromium (VI)

Remark III:

\*1 Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.

If soluble tin content exceeded the screening limits of organic tin content, the result(s) was (were) verified by below method:

- EN 71-3:2019, Annex G by Gas Chromatography-Mass Spectroscopy analysis.

Remark IV: The test part(s) (19), (24)-(25) (27),(31),(39) weight less than 100mg, the results calculate as 100mg.

**I. Entry 23 of Annex XVII of Reach regulation (EC) No 1907/2006 and its amendment Commission Regulation (EC) No 552/2009 and (EU) No 494/2011 and (EU) No 835/2012 and (EU) No 2016/217 on Cadmium (Cd) (formerly known as 91/338/EEC)**

Test method: IEC 62321-5:2013;EN 1122:2001(E)

Item	Unit	MDL	Result						Limit
			(1)	(2)+(3)	(4)	(5)+(6)+(7)	(8)	(9)+(10)	
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	See Remark
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(11)+(13)	(12)	(14)	(44)	(45)	(46)	
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	See Remark
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Limit Remark:

In surface-coating: 1000 mg/kg;

In Plastic Substrate/ Jewelry: 100 mg/kg.

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**J. Entry 51&52 of Annex XVII to Reach regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2015/326 on Phthalates content (formerly known as 2005/84/EC)**

Test method: EN 14372:2004

Item	Unit	MDL	Result			Limit
			(1)	(2)+(3)	(44)	
Dibutyl Phthalate(DBP)	mg/Kg	30	N.D.	N.D.	N.D.	See Remark
Benzyl Butyl Phthalate(BBP)	mg/Kg	30	N.D.	N.D.	N.D.	
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/Kg	30	N.D.	N.D.	N.D.	
Di-n-Octyl Phthalate(DNOP)	mg/Kg	30	N.D.	N.D.	N.D.	
Diisononyl Phthalate(DINP)	mg/Kg	60	N.D.	N.D.	N.D.	
Diisodecyl Phthalate(DIDP)	mg/Kg	60	N.D.	N.D.	N.D.	
sum of DINP,DIDP,DNOP	mg/Kg	-	/	/	/	
sum of BBP,DBP,DEHP	mg/Kg	-	/	/	/	
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Limit Remark:

- i Phthalates of DEHP, DBP and BBP shall not be used as substances or as constituents of preparations, at concentrations greater than 1000 mg/kg by mass of the plasticized material in toys and child care articles.
- ii Phthalates of DINP, DIDP and DNOP shall not be used as substances or as constituents of preparations, at concentrations greater than 1000 mg/kg by mass of the plasticized material in toys and child care articles which can be placed in the mouth by children.

**K. Entry 51 of Annex XVII to Reach regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2015/326 on Phthalates content (formerly known as 2005/84/EC)**

Test method: EN 14372:2004

Item	Unit	MDL	Result					Limit
			(4)	(5)+(6)+(7)	(8)	(9)+(10)	(11)+(13)	
Dibutyl Phthalate(DBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	See Remark
Benzyl Butyl Phthalate(BBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	N.D.	
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/Kg	30	N.D.	N.D.	236	N.D.	N.D.	
sum of DBP,DEHP,BBP	mg/Kg	-	/	/	236	/	/	
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result				Limit
			(12)	(14)	(45)	(46)	
Dibutyl Phthalate(DBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	See Remark
Benzyl Butyl Phthalate(BBP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	

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Item	Unit	MDL	Result				Limit
			(12)	(14)	(45)	(46)	
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/Kg	30	N.D.	N.D.	N.D.	N.D.	See Remark
sum of DBP,DEHP,BBP	mg/Kg	-	/	/	/	/	
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Limit Remark:

Phthalates of DEHP, DBP and BBP shall not be used as substances or as constituents of preparations, at concentrations greater than 1000 mg/kg by mass of the plasticized material in toys and child care articles.

**L. Entry 43 of Annex XVII to Reach regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) No 126/2013 on AZO colorants content**

Test method: EN ISO 14362-1:2017/EN ISO 14362-3:2017 (for textile) or ISO 17234-1:2015/EN ISO 17234-2:2011 (for leather)

Item	Unit	MDL	Result						Limit
			(16)+(17)+(18)	(20)+(21)+(22)	(26)+(30)+(32)	(33)+(34)+(35)	(37)	(47)+(48)	
4-Aminobiphenyl(1#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
Benzidine(2#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
4-Chloro-o-methylaniline(3#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
2-Naphthylamine(4#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
o-aminoazotoluene(5#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
5-nitro-o-toluidine(6#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
4-chloroaniline(7#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
2,4-diaminoanisoole(8#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
4,4'-diaminobiphenylmethane (MDA)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
3,3'-Dichlorobenzidine(10#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
3,3'-Dimethoxybenzidine(11#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
3,3'-dimethylbenzidine(12#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
4,4'-methylenedi-o-toluidine(13#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
p-cresidine(14#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
4,4'-methylene-bis-(2-chloro-aniline)(15#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
4,4'-oxydianiline(16#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
4,4'-thiodianiline(17#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
O-Toluidine(18#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30



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Item	Unit	MDL	Result						Limit
			(16)+(17)+ (18)	(20)+(21)+ (22)	(26)+(30)+ (32)	(33)+(34)+ (35)	(37)	(47)+(48)	
2,4-Diaminotoluene(19#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
2,4,5-Trimethylaniline(20#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
4-Aminoazobenzene(21#)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
2-Methoxyaniline; o-Anisidine	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	30
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result					Limit
			(19*)	(23*)	(24*)	(25*)	(27*)	
4-Aminobiphenyl(1#)	mg/Kg	5	--	--	--	--	--	30
Benzidine(2#)	mg/Kg	5	--	--	--	--	--	30
4-Chloro-o-methylaniline(3#)	mg/Kg	5	--	--	--	--	--	30
2-Naphthylamine(4#)	mg/Kg	5	--	--	--	--	--	30
o-aminoazotoluene(5#)	mg/Kg	5	--	--	--	--	--	30
5-nitro-o-toluidine(6#)	mg/Kg	5	--	--	--	--	--	30
4-chloroaniline(7#)	mg/Kg	5	--	--	--	--	--	30
2,4-diaminoanisole(8#)	mg/Kg	5	--	--	--	--	--	30
4,4'-diaminobiphenylmethane (MDA)	mg/Kg	5	--	--	--	--	--	30
3,3'-Dichlorobenzidine(10#)	mg/Kg	5	--	--	--	--	--	30
3,3'-Dimethoxybenzidine(11#)	mg/Kg	5	--	--	--	--	--	30
3,3'-dimethylbenzidine(12#)	mg/Kg	5	--	--	--	--	--	30
4,4'-methylenedi-o-toluidine(13#)	mg/Kg	5	--	--	--	--	--	30
p-cresidine(14#)	mg/Kg	5	--	--	--	--	--	30
4,4'-methylene-bis-(2-chloro-aniline)(15#)	mg/Kg	5	--	--	--	--	--	30
4,4'-oxydianiline(16#)	mg/Kg	5	--	--	--	--	--	30
4,4'-thiodianiline(17#)	mg/Kg	5	--	--	--	--	--	30
O-Toluidine(18#)	mg/Kg	5	--	--	--	--	--	30
2,4-Diaminotoluene(19#)	mg/Kg	5	--	--	--	--	--	30
2,4,5-Trimethylaniline(20#)	mg/Kg	5	--	--	--	--	--	30
4-Aminoazobenzene(21#)	mg/Kg	5	--	--	--	--	--	30

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Item	Unit	MDL	Result					Limit
			(19*)	(23*)	(24*)	(25*)	(27*)	
2-Methoxyaniline; o-Anisidine	mg/Kg	5	--	--	--	--	--	30
<b>Conclusion</b>	/	/	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	/

Item	Unit	MDL	Result				Limit
			(28*)	(29*)	(31*)	(36*)	
4-Aminobiphenyl(1#)	mg/Kg	5	--	--	--	--	30
Benzidine(2#)	mg/Kg	5	--	--	--	--	30
4-Chloro-o-methylaniline(3#)	mg/Kg	5	--	--	--	--	30
2-Naphthylamine(4#)	mg/Kg	5	--	--	--	--	30
o-aminoazotoluene(5#)	mg/Kg	5	--	--	--	--	30
5-nitro-o-toluidine(6#)	mg/Kg	5	--	--	--	--	30
4-chloroaniline(7#)	mg/Kg	5	--	--	--	--	30
2,4-diaminoanisoole(8#)	mg/Kg	5	--	--	--	--	30
4,4'-diaminobiphenymethane (MDA)	mg/Kg	5	--	--	--	--	30
3,3'-Dichlorobenzidine(10#)	mg/Kg	5	--	--	--	--	30
3,3'-Dimethoxybenzidine(11#)	mg/Kg	5	--	--	--	--	30
3,3'-dimethylbenzidine(12#)	mg/Kg	5	--	--	--	--	30
4,4'-methylenedi-o-toluidine(13#)	mg/Kg	5	--	--	--	--	30
p-cresidine(14#)	mg/Kg	5	--	--	--	--	30
4,4'-methylene-bis-(2-chloro-aniline)(15#)	mg/Kg	5	--	--	--	--	30
4,4'-oxydianiline(16#)	mg/Kg	5	--	--	--	--	30
4,4'-thiodianiline(17#)	mg/Kg	5	--	--	--	--	30
O-Toluidine(18#)	mg/Kg	5	--	--	--	--	30
2,4-Diaminotoluene(19#)	mg/Kg	5	--	--	--	--	30
2,4,5-Trimethylaniline(20#)	mg/Kg	5	--	--	--	--	30
4-Aminoazobenzene(21#)	mg/Kg	5	--	--	--	--	30
2-Methoxyaniline; o-Anisidine	mg/Kg	5	--	--	--	--	30
<b>Conclusion</b>	/	/	<b>NA</b>	<b>NA</b>	<b>NA</b>	<b>NA</b>	/

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Note:

21#: The EN ISO 14362-1:2017 & ISO 17234-1:2015 method(s) will enable further cleavage of 4-aminoazobenzene to non-forbidden amines: aniline or 1, 4-phenylenediamine. If the test result for 4-aminoazobenzene (CAS No. 60-09-3) is considered as "Not Detected" (i.e. <5mg/kg) since both aniline and / or 1, 4-phenylenediamine is not found (i.e. <5mg/kg) by mentioned test method. Otherwise the test method(s) of EN ISO 14362-3:2017, ISO 17234-2:2011 is(are) employed to verify the presence of 4-aminoazobenzene.

- - = Not Regulated

- \* = The mass of sample(s) is(are) less than 0.2g, not applicable to test.

- NA = Not Applicable

## M. AS/NZS ISO 8124

### M.1 AS/NZS 8124.1:2016 - Mechanical and Physical Tests

Section	Description	Result
4	Requirements	
4.1	Normal use	Pass
4.2	Reasonably foreseeable abuse	Pass
4.3	Material	Pass
4.4	Small parts	Pass
4.5	Shape, size and strength of certain toys	NA
4.6	Edges	Pass
4.7	Points	Pass
4.8	Projections	NA
4.9	Metal wires and rods	NA
4.10	Plastic film or plastic bags in packaging and in toys	Pass
4.11	Cords and elastics	NA
4.12	Folding mechanisms	NA
4.13	Holes, clearances and accessibility of mechanisms	NA
4.14	Springs	NA
4.15	Stability and overload requirements	NA
4.16	Enclosures	NA
4.17	Simulated protective equipment, such as helmets, hats and goggles	NA
4.18	Projectile toys	NA
4.19	Rotors and propellers	NA
4.20	Aquatic toys	NA
4.21	Braking	NA
4.22	Toy bicycles	NA
4.23	Speed limitation of electrically driven ride-on toys	NA
4.24	Toys containing a heat source	NA

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Section	Description	Result
4.25	Liquid-filled toys	NA
4.26	Mouth-actuated toys	NA
4.27	Toy roller skates, toy inline skates and toy skateboards	NA
4.28	Percussion caps	NA
4.29	Acoustic requirements	NA
4.30	Toy scooters	NA
4.31	Magnets and magnetic components	NA
Annex B	Safety-labelling guidelines and manufacturer's markings	
Annex B.2	Safety-labeling guidelines	Pass
Annex B.3	Instructional literature	Pass
Annex B.4	Manufacturer's markings	Pass

NA = Not Applicable.

Use and abuse testing:

Applicable section	Description	Test Condition
5.24.2	Drop test	138 cm+/-5 cm 10 times
5.24.5	Torque test	0.45 N.m+/- 0.02 N.m or 180°
5.24.6	Tension test	70 N +/- 2 N
5.24.7	Compression test	NA

## M.2 AS/NZS 8124.2:2016 - Flammability Tests

Section	Description	Result
4	Requirements	
4.1	General	Pass
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by a child in play	NA
4.4	Toys intended to be entered by a child	NA
4.5	Soft-filled toys (animals and dolls etc.) with a piled or textile surface	Pass

NA = Not Applicable.

## M.3 AS/NZS ISO 8124.3:2012+A1:2016 - Migration of Certain Elements Tests

Test method: AS/NZS ISO 8124.3:2012 Amd1 : 2016

Item	Unit	MDL	Result						Limit
			(1)	(2)	(3)	(15)	(16)	(17)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60

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Item	Unit	MDL	Result						Limit
			(1)	(2)	(3)	(15)	(16)	(17)	
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(18)	(19)	(20)	(21)	(22)	(23)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(24)	(25)	(26)	(27)	(28)	(29)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

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Item	Unit	MDL	Result						Limit
			(30)	(31)	(32)	(33)	(34)	(35)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(36)	(37)	(38)	(39)	(40)	(41)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result						Limit
			(42)	(43)	(44)	(47)	(48)	(49)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90
Antimony(Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Arsenic(As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25
Barium(Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000
Cadmium(Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75
Chromium(Cr)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60
Mercury(Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60

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Item	Unit	MDL	Result						Limit
			(42)	(43)	(44)	(47)	(48)	(49)	
Selenium(Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

## N. Australia Consumer protection notice No.11 of 2011 - DEHP content

Test method: CPSC-CH-C1001-09.4-2018

Item	Unit	MDL	Result		Limit
			(2)+(3)	(44)	
Bis-(2-ethylhexyl) Phthalate (DEHP)	mg/Kg	30	N.D.	N.D.	10000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	/

## O. Canada Consumer Product Safety Act (CCPSA) - Toys Regulations, SOR/2011-17+SOR/2018-138

### O.1 Mechanical and Physical Tests

Section	Description	Result
3	GENERAL - Official languages	NA
4	PACKAGING - Flexible film bags	Pass
7	MECHANICAL HAZARDS - Small part	Pass
8	MECHANICAL HAZARDS - Metal edges	NA
9	MECHANICAL HAZARDS - Wire frames	NA
10	MECHANICAL HAZARDS - Plastic edges	Pass
11	MECHANICAL HAZARDS - Wood	NA
12	MECHANICAL HAZARDS - Glass	NA
13	MECHANICAL HAZARDS - Fasteners	NA
14	MECHANICAL HAZARDS - Safety stops or locking devices	NA
15	MECHANICAL HAZARDS - Spring-wound driving mechanisms	NA
16	MECHANICAL HAZARDS - Projectile components	NA
17	MECHANICAL HAZARDS - Enclosures	NA
18	MECHANICAL HAZARDS - Stability	NA
19	MECHANICAL HAZARDS - Decibel limit	NA
28	SPECIFIC PRODUCTS - Dolls, plush toys and soft toys - fastenings	NA
29	SPECIFIC PRODUCTS - Dolls, plush toys and soft toys - stuffing	Pass
30	SPECIFIC PRODUCTS - Dolls, plush toys and soft toys - small parts	NA
31	SPECIFIC PRODUCTS - Dolls, plush toys and soft toys - eyes and noses	Pass

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Section	Description	Result
35	PLANT SEEDS - Noise	NA
36	PLANT SEEDS - Stuffing material	Pass
37	PULL AND PUSH TOYS - Shaft-like handles	NA
38	TOY STEAM ENGINES - Boilers - safety valves	NA
39	FINGER PAINTS - Water-based paints	NA
40	RATTLES - Construction	NA
41	ELASTICS - Length or extensibility	NA
42	YO-YO TYPE BALLS - Stretchable cords	NA
43	MAGNETIC TOYS - Magnetic force	NA
44	MAGNETIC TOYS - Exceptions and warning	NA

NA = Not Applicable.

Use and abuse testing:

Applicable section	Description	Test Condition
	Drop test	4 times at 54"
	Push-pull test	10 lb

## O.2 Flammability Tests

Section	Description	Result
21	Celluloid or cellulose nitrate	Pass
32	SPECIFIC PRODUCTS - Dolls, plush toys and soft toys - flammability of outer covering	Pass
33	SPECIFIC PRODUCTS - Dolls, plush toys and soft toys - flammability of yarn	NA
34	SPECIFIC PRODUCTS - Dolls, plush toys and soft toys - flammability of hair or mane	NA

NA = Not Applicable.

## O.3 Toxicological Hazards content-Specific substances in surface coatings & plastic material (products under 3 years)

Test method: IEC 62321-4:2013+AMD1:2017 CSV;Product Safety Bureau Reference Manual Book 5-Laboratory Policies and Procedures Part B: Test method Section, Method C03:2018;Product Safety Bureau Reference Manual Book 5-Laboratory Policies and Procedures Part B: Test method Section, Method C02.3:2017;Product Safety Bureau Reference Manual Book 5-Laboratory Policies and Procedures Part B: Test method Section, Method C02.2:2017

Item	Unit	MDL	Result				Limit
			(1)	(2)	(3)	(44)	
Total Lead (Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	90
Total Mercury (Hg)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	10
Soluble Antimony (Sb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	1000
Soluble Arsenic (As)	mg/Kg	5	N.D.	N.D.	N.D.	N.D.	1000
Soluble Barium (Ba)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	1000



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Item	Unit	MDL	Result				Limit
			(1)	(2)	(3)	(44)	
Soluble Cadmium (Cd)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	1000
Soluble Selenium (Se)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	1000
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

**P. Canada Consumer Product Safety Act (CCPSA) - Phthalates Regulations, SOR/2016-188 Phthalates content**

Remark: This item is not applicable.

**Q. Canada Consumer Product Safety Act (CCPSA) - Surface coating materials regulations, SOR/2016-193**

Test method: IEC 62321-4:2013+AMD1:2017 CSV;Product Safety Bureau Reference Manual Book 5-Laboratory Policies and Procedures Part B: Test method Section, Method C02.2:2017

Item	Unit	MDL	Result				Limit
			(1)	(2)	(3)	(44)	
Lead(Pb)	mg/Kg	10	N.D.				90
Mercury(Hg)	mg/Kg	10	N.D.				10
<b>Conclusion</b>	/	/	<b>Pass</b>				/

**R. Canada Consumer Product Safety Act (CCPSA) - Consumer product containing lead regulations, SOR /2018-83**

Test method: Product Safety Bureau Reference Manual Book 5-Laboratory Policies and Procedures Part B: Test method Section, Method C02.3:2017;Product Safety Bureau Reference Manual Book 5-Laboratory Policies and Procedures Part B: Test method Section, Method C02.4:2017;Product Safety Bureau Reference Manual Book 5-Laboratory Policies and Procedures Part B: Test method Section, Method C02.2:2017

Item	Unit	MDL	Result					Limit
			(1)	(2)+(3)	(4)	(5)+(6)+(7)	(8)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	N.D.	90
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Item	Unit	MDL	Result				Limit
			(9)+(10)	(44)	(45)	(46)	
Lead(Pb)	mg/Kg	10	N.D.	N.D.	N.D.	N.D.	90
<b>Conclusion</b>	/	/	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	<b>Pass</b>	/

Note:

- N.D.= Not Detected or less than MDL

- MDL = Method Detection Limit

- "+" = Composite testing.

-The Result less than MDL are not taken into account while calculating the sum contents.

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**S. US Consumer Products Safety Improvement Act of 2008(H.R. 4040) title 1, section 103:Tracking Label for Children's Product**

Testing and Evaluation	Citations/Method	Requirements	Result
Tracking label for children's products	Consumer Product Safety Improvement Act of 2008 section 103	The manufacturer of a children's product shall place permanent, distinguishing marks on the product and its packaging, to the extent practicable, that will enable— (A) the manufacturer to ascertain the location and date of production of the product, cohort information (including the batch, run number, or other identifying characteristic), and any other information determined by the manufacturer to facilitate ascertaining the specific source of the product by reference to those marks; and (B) the ultimate purchaser to ascertain the manufacturer or private labeler, location and date of production of the product, and cohort information (including the batch, run number, or other identifying characteristic).	Pass

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Photograph of Sample



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Statement:

- 1.This report cannot be reproduced except in full, without prior written approval of the Company.
- 2.Unless otherwise stated the results shown in this test report refer only to the sample(s) tested and such sample(s) are retained for 30 days only.
- 3.This report is valid only with a valid digital signature. The digital signature may be available only under the Adobe software above version 7.0.
- 4.Otherwise required by the applicant or Product Regulations, Decision Rule in this report did not consider the uncertainty.
- 5.The information which provided by the applicant, such as sample description, sample name, material component, style/item No. , P.O. No. , manufacturer, age phase, the laboratory is not responsible for its authenticity and this information can affect the validity of the result in the test report.
- 6.The test samples were in good condition before testing.

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