

# Test Report

Report No. A2170047106101

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**Applicant** FLOATERPADDLE

**Address** 2401 ORCHID DR.,MCKINNEY, TX,75070, USA

**The following sample(s) and sample information was/were submitted and identified by/on the behalf of the client**

Style No.	inflatable
Age Grade	4yrs old - adult
Manufacturer Name	Shenzhen Heng FengKai Li Technology Co.,ltd
Manufacturer Address	3F,5th, 2nd Shanglian Road,Jiaoshe village,DongkengTown,Guangdong Dongguan
Country of Origin	China
Color	orange
Product Category	swim aid
UPC No.	850572008
Client Specified Age Grading	4yrs old - adult
Labeled Age Grading	4 years to adult
Age Group Applied in Testing	Over 4 years
Sample Received Date	Oct. 9, 2017
Sample Resubmitted Date	Nov. 6, 2017/ Nov. 7, 2017/ Nov. 10, 2017
Testing Period	Oct. 9, 2017 to Nov. 14, 2017

**Test Conducted:**

As requested by the applicant, for details refer to next page(s)

Tested by

*IVY XU*

Reviewed by

*[Signature]*

Approved by

*Victor Wang*

Date

Nov. 14, 2017

Victor Wang

Lab Manager

No. T149811937

Centre Testing International Group Co.,Ltd. CTI Building, No.4, Liuxian 3rd road, Xin'an Street, Bao'an District, Shenzhen, P.R.China



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## Executive Summary:

### TEST REQUEST

### CONCLUSION

1) SOR/2011-17 Toys Regulations of Canada Consumer Product Safety Act (CCPSA)	
- Physical and mechanical properties	PASS
- Flammability	PASS
- Heavy metal(Total Lead) content in surface coatings/paint	N/A
- Heavy metal(Mercury) content in surface coatings/paint	N/A
- Heavy metals contents in surface coatings/paint	N/A
- Total Lead content in plastic material	N/A
2) US Consumer Product Safety Improvement Act of 2008 (CPSIA) with amendment (H.R.2715)	
- 16 CFR 1501 Small parts	N/A
- Sec.103 Tracking Labels for Children's Products	PASS
- Lead in surface-coatings and similar materials of children's products	N/A
- Lead in substrate materials of children's products	PASS
- Phthalates in children's toys and childcare articles	PASS
3) EN 71-1:2014 Safety of toys - Part 1: Mechanical and physical properties	
- Mechanical and physical properties	PASS
4) EN 71-2:2011+A1:2014 Safety of toys - Part 2: Flammability	
- Flammability	PASS
5) EN 71-3:2013+A1:2014 Migration of certain elements	
- Migration of certain elements	PASS
6) Consumer Product Safety Commission 16 CFR Ch.II	
- Mechanical and physical properties	PASS
- 1500.44 Flammability test on solid	PASS
- Part 1303 – Ban of Lead in paint and similar surface coating	N/A

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- |     |  |             |
|-----|--|-------------|
| 7)  | ASTM F963-16 Standard Consumer Safety Specification for Toy Safety   |             |
| -   | Mechanical and Physical test   | <b>PASS</b> |
| -   | Clause 4.2 Flammability of toys  | <b>PASS</b> |
| -   | Clause 4.3.5 Heavy elements – Total Lead content   | <b>PASS</b> |
| -   | Clause 4.3.5 Heavy elements – Migration of certain elements  | <b>PASS</b> |
| 8)  | SOR/2016-188 Phthalates Regulations of Canada Consumer Product Safety Act(CCPSA)                                     |             |
| -   | Phthalates in vinyl plastic material   | <b>PASS</b> |
| 9)  | Annex XVII of European regulation (EC) No. 1907/2006 (REACH) with Amendment(s)                                       |             |
| -   | Cadmium and its compounds  | <b>PASS</b> |
| -   | Phthalates in toys and childcare articles  | <b>PASS</b> |
| 10) | AS NZS 8124.1:2016 Safety aspects related to mechanical and physical properties                                      |             |
| -   | Safety aspects related to mechanical and physical properties   | <b>PASS</b> |
| 11) | AS/NZS 8124.2:2016 Flammability  |             |
| -   | Flammability Test  | <b>PASS</b> |
| 12) | AS/NZS 8124.3:2012/Amdt.1:2016 Australian/New Zealand Standard-Safety of toys  |             |
| -   | Migration of certain elements  | <b>PASS</b> |
| 13) | SOR/2010-273 Consumer products containing Lead (contact with mouth) regulations of CCPSA with amendment SOR/2016-171 |             |
| -   | Total Lead content   | <b>N/A</b>  |
| 14) | SOR/2016-193 Surface Coating Materials Regulations of Canada Consumer Product Safety Act (CCPSA)                     |             |
| -   | Total Lead content   | <b>N/A</b>  |
| -   | Total Mercury content  | <b>N/A</b>  |

**N/A = Not Applicable**

\*\*\*\*\* For Further Details, Please Refer to the Following Page(s) \*\*\*\*\*

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1) **SOR/2011-17 Toys Regulations of Canada Consumer Product Safety Act (CCPSA)**

▼ **Physical and Mechanical properties**

<u>Section</u>	<u>Description</u>	<u>Assessment</u>
10	Plastic Edges.....	Pass

**Test Methods**

M00.2	Sharp Edges.....	Pass
M00.3	Sharp Points.....	Pass
M01.1	Reasonable Foreseeable Use.....	Pass

Note:

- Only applicable clause(s) was/were shown.

▼ **Flammability test**

<u>Section</u>	<u>Description</u>	<u>Assessment</u>
21	Celluloid or Cellulose Nitrate.....	Pass

Note:

- Only applicable clause(s) was/were shown.

▼ **Heavy metal(Total Lead) content in surface coatings/paint** .....**N/A**

Method(s) Health Canada Product Safety Reference Manual Book 5 - Laboratory Policies and Procedures  
Part B: Test Methods Section, Method C-02.2 was/were used, and the item(s) was/were analyzed by ICP-OES.

**N/A = Not Applicable** (as received, there was no paint or similar surface-coating material on the submitted sample(s), so it is not applicable to the requirement of this standard)

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▼ **Heavy metal(Mercury) content in surface coatings/paint** .....**N/A**

Method(s) Health Canada Product Safety Reference Manual Book 5 - Laboratory Policies and Procedures

Part B: Test Methods Section, Method C-07 was/were used, and the item(s) was/were analyzed by ICP-OES.

**N/A = Not Applicable** (as received, there was no paint or similar surface-coating material on the submitted sample(s), so it is not applicable to the requirement of this standard)

▼ **Heavy metals contents in surface coatings/paint** .....**N/A**

Method(s) Health Canada Product Safety Reference Manual Book 5 - Laboratory Policies and Procedures

Part B: Test Methods Section, Method C-03 was/were used, and the item(s) was/were analyzed by ICP-OES.

**N/A = Not Applicable** (as received, there was no paint or similar surface-coating material on the submitted sample(s), so it is not applicable to the requirement of this standard)

▼ **Total Lead content in plastic material** .....**N/A**

Method(s) Health Canada Product Safety Reference Manual Book 5 - Laboratory Policies and Procedures

Part B: Test Methods Section, Method C-02.2 was/were used, and the item(s) was/were analyzed by ICP-OES.

**N/A = Not Applicable**

2) **US Consumer Product Safety Improvement Act of 2008 (CPSIA) with amendment (H.R.2715)**

▼ **16 CFR 1501 Small parts** .....**N/A**

As Specified in Title 16 Part 1501, Code of Federal Regulations, Chapter II – Consumer Products Safety Commission of U.S.A.

**N/A = Not Applicable**

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▼ **SEC.103 Tracking labels for children's products** ..... **Pass**

As specified in section 103 of Consumer Product Safety Improvement Act 2008(CPSIA).

**Check point**

**Assessment**

Manufacturer Name.....	Pass
Manufacturer Location.....	Pass
Production Date.....	Pass
Permanence Evaluation For Marking.....	Pass

Note:

- Only applicable clause(s) was/were shown.

▼ **Lead in surface-coatings and similar materials of children's products** ..... **N/A**

Method(s) CPSC-CH-E1003-09.1 was/were used, and the item(s) was/were analyzed by ICP-OES.

**N/A = Not Applicable** (as received, there was no paint or similar surface-coating material on the submitted sample(s), so it is not applicable to the requirement of this standard)

▼ **Lead in substrate materials of children's products**

Method(s) CPSC-CH-E1001-08.3/CPSC-CH-E1002-08.3 was/were used, and the item(s) was/were analyzed by ICP-OES.

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>		<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	001	002		
Total Lead (Pb)	N.D.	N.D.	5	100

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Result(s) shown of tested component(s) 002 is/are based on resubmitted part materials.

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▼ **Phthalates in children's toys and childcare articles**

Method(s) CPSC-CH-C1001-09.3 was/were used, and the item(s) was/were analyzed by GC-MS.

Tested Item(s)	Result (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
	001	002		
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	30	1000
Dibutyl Phthalate (DBP)	N.D.	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	30	1000
Diisononyl Phthalate (DINP)	N.D.	N.D.	50	1000
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	30	1000
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	50	1000

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- 1000 mg/kg = 0.1%
- Result(s) shown of tested component(s) 002 is/are based on resubmitted part materials.

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3) **EN 71-1:2014 Safety of toys - Part 1: Mechanical and physical properties**

▼ **Mechanical and physical properties**

As specified in European Standard on Safety of Toys EN 71 part 1:2014.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	General requirements	
4.1	Material cleanliness.....	Pass
4.3	Flexible plastics sheeting.....	Pass
4.7	Edges .....	Pass
4.8	Points and metallic wires .....	Pass
4.18	Aquatic toys and inflatable toys.....	Pass
7	Warnings and instructions for use	
7.1	General .....	Pass
7.2	Toys not intended for children under 36 months .....	N/A
	(Remark : No hazard specified in chapter 5 was found before and after test.)	
7.4	Aquatic toys .....	Pass

N/A = Not Applicable

Note:

- Only applicable clause(s) was/ were shown.



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4) **EN 71-2:2011+A1:2014 Safety of toys - Part 2: Flammability**

▼ **Flammability**

As specified in European Standard on Safety of Toys EN 71 part 2:2011+A1:2014.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	Requirements	
4.1	General requirements ..... (The following materials shall not be used in the manufacture of toys except as provided in EN 71-2:2011+A1:2014 : Celluloid, materials with the same behaviour in fire as celluloid, materials with a piled surface which produce surface flash, flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels.)	Pass

Note:

- Only applicable clause(s) was/ were shown.

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## 5) EN 71-3:2013+A1:2014 Migration of certain elements

### ▼ Migration of certain elements

Method(s) EN 71-3:2013+A1:2014 was/were used, and the item(s) was/were analyzed by ICP-OES, ICP-MS, HPLC-ICP-MS and/or GC-MS.

### Category III: scraped-off toy material

Tested Item(s)	Result (mg/kg)		MDL (mg/kg)	Limit (mg/kg)
	001	002		
Aluminium (Al)	N.D.	N.D.	50	70000
Antimony (Sb)	N.D.	N.D.	5	560
Arsenic (As)	N.D.	N.D.	5	47
Barium (Ba)	N.D.	N.D.	50	18750
Boron (B)	N.D.	N.D.	50	15000
Cadmium (Cd)	N.D.	N.D.	1	17
Chromium (III) #1	N.D.	N.D.	0.2	460
Chromium (VI)	N.D.	N.D.	0.002	0.2
Cobalt (Co)	N.D.	N.D.	5	130
Copper (Cu)	N.D.	N.D.	50	7700
Lead (Pb)	N.D.	N.D.	5	160
Manganese (Mn)	N.D.	N.D.	50	15000
Mercury (Hg)	N.D.	N.D.	5	94
Nickel (Ni)	N.D.	N.D.	5	930
Selenium (Se)	N.D.	N.D.	5	460
Strontium (Sr)	N.D.	N.D.	50	56000
Tin (Sn) #2	N.D.	N.D.	2	180000
Organic tin (TBT) #3	N.D.	N.D.	0.05	12
Zinc (Zn)	N.D.	N.D.	50	46000

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Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Filter paper was used instead of membrane filter in lab testing.
- #1 Trivalent chromium (Cr (III)) = Chromium (Cr) – Hexavalent chromium (Cr (VI)), where the chromium content exceeded the limits of hexavalent chromium and/or trivalent chromium, then hexavalent chromium was analyzed by HPLC-ICP-MS and trivalent chromium content was calculated using the formula.
- #2 Tin(Sn) content can be used for screen test for organic tins analysis to show compliance with the requirement of EN 71-3:2013+A1:2014.
- #3 The migration of organic tin is expressed as tributyltin (TBT). Where the tin content exceeded the limit of organic tin, ten organic tins listed in table were determined by GC-MS and the client should be noted there are other organic tins may be present in toy materials.

Organic tins tested under EN 71-3:2013+A1:2014
Methyl tin (MeT)
Butyl tin (BuT)
Dibutyl tin (DBT)
Tributyl tin (TBT)
Tetrabutyl tin (TeBT)
n-Octyl tin (MOT)
Di-n-octyl tin (DOT)
Di-n-propyl tin (DproT)
Diphenyl tin (DPhT)
Triphenyl tin (TPhT)

- Result(s) shown of tested component(s) 002 is/are based on resubmitted part materials.

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**6) Consumer Product Safety Commission 16 CFR Ch.II**

**▼ Mechanical & Physical**

As specified in Title 16, Code of Federal Regulation, Chapter II – Consumer Products Safety Commission of U.S.A.

Test Item(s)	Sharp point (1500.48)	Sharp edge (1500.49)	Small part (1501)
As Received	Pass	Pass	N/A
Impact Test (Sec. 1500. 53b)	Pass	Pass	N/A
Torque Test (Sec. 1500. 53e)	Pass	Pass	N/A
Tension Test (Sec. 1500. 53f)	Pass	Pass	N/A

N/A = Not Applicable

**▼ 1500.44 Flammability Test on Solid**

As Specified In Title 16 Part 1500.44 Code of Federal Regulations U.S.A

<u>Burning Rate (inch/sec)</u>	<u>Limit (inch/sec)</u>
DNI	0.1

- DNI = Did Not Ignite

**▼ Part 1303 – Ban of Lead in paint and similar surface coating .....N/A**

Method(s) CPSC-CH-E1003-09.1 was/were used, and the item(s) was/were analyzed by ICP-OES.

N/A = **Not Applicable** (as received, there was no paint or similar surface-coating material on the submitted sample(s), so it is not applicable to the requirement of this standard)

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**7) ASTM F963-16 Standard Consumer Safety Specification for Toy Safety**

**▼ Mechanical and Physical test**

As specified in ASTM F963-16 standard consumer safety specification for toy safety.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4.	Safety Requirements	
4.1	Material Quality.....	Pass
4.6	Small Objects.....	N/A
4.7	Accessible Edges.....	Pass
4.9	Accessible Points.....	Pass
4.12	Plastic Film.....	Pass
5.	Safety Labeling Requirements	
5.2	Age Grading Labeling.....	Pass
5.3	Safety Labeling Requirements.....	Pass
5.4	Aquatic Toys.....	Pass
5.16	Promotional Materials.....	Pass
6.	Instructional Literature	
6.1	Definition and description .....	Pass
7.	Producers Markings	
7.1	Producer's Markings.....	Pass
8.	Test Method	
8.5	Normal Use Testing.....	Pass
8.7	Impact Test .....	Pass
8.8	Torque Tests for Removal of Components.....	Pass
8.9	Tension Test for Removal of Components.....	Pass

N/A = Not Applicable

Note:

- Only applicable clause(s) was/were shown.

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**▼ Clause 4.2 Flammability of toys**

As specified in ASTM F963-16 standard consumer safety specification for toy safety.

Flammability Test on Solid

<u>Burning Rate (inch/sec)</u>	<u>Limit (inch/sec)</u>
DNI	0.1

-- DNI = Did Not Ignite

Note:

- Only applicable clause(s) was/were shown.

**▼ Clause 4.3.5 Heavy elements – Total Lead content**

Method(s) ASTM F963-16 Clause 8.3 was/were used, and the item(s) was/were analyzed by ICP-OES.

Toy substrate materials:

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>		<u>MDL (mg/kg)</u>	<u>Limit (mg/kg)</u>
	001	002		
Total Lead (Pb)	N.D.	N.D.	5	100

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Result(s) shown of tested component(s) 002 is/are based on resubmitted part materials.

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## ▼ Clause 4.3.5 Heavy elements – Migration of certain elements

Method(s) ASTM F963-16 Clause 8.3 was/were used, and the item(s) was/were determined by ICP-OES.

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>		<u>MDL (mg/kg)</u>	<u>Limit (mg/kg)</u>
	001	002		
Soluble Antimony (Sb)	N.D.	N.D.	5	60
Soluble Arsenic (As)	N.D.	N.D.	2.5	25
Soluble Barium (Ba)	N.D.	N.D.	5	1000
Soluble Cadmium (Cd)	N.D.	N.D.	5	75
Soluble Chromium (Cr)	N.D.	N.D.	2.5	60
Soluble Lead (Pb)	N.D.	N.D.	5	90
Soluble Mercury (Hg)	N.D.	N.D.	2.5	60
Soluble Selenium (Se)	N.D.	N.D.	5	500

### Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Result(s) shown are of adjusted analytical results by subtracting analytical correction factor.
- Filter paper was used instead of 0.45µm membrane filter in lab testing.
- Result(s) shown of tested component(s) 002 is/are based on resubmitted part materials.

## 8) SOR/2016-188 Phthalates Regulations of Canada Consumer Product Safety Act(CCPSA)

### ▼ Phthalates in vinyl plastic material

Method(s) Canadian Product Safety Reference Manual Book 5 Method C-34 was/were used, and the item(s) was/were analyzed by GC-MS.

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>		<u>MDL (mg/kg)</u>	<u>Limit (mg/kg)</u>
	001	002		
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	30	1000
Dibutyl Phthalate (DBP)	N.D.	N.D.	30	1000
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	30	1000
Diisononyl Phthalate (DINP)	N.D.	N.D.	50	1000
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	30	1000
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	50	1000

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Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- 1000 mg/kg = 0.1%
- Result(s) shown of tested component(s) 002 is/are based on resubmitted part materials.

**9) Annex XVII of European regulation (EC) No. 1907/2006 (REACH) with Amendment(s)**

**▼ Cadmium and its compounds**

As specified in entry 23, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendments No.552/2009 & No.494/2011 & No.835/2012 & No. 2016/217, method(s) US EPA 3050B:1996 & US EPA 6010D:2014 & EN 1122:2001(E) Method B was/were used, and the item(s) was/were analyzed by ICP-OES.

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>		<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	001	002		
Cadmium (Cd)	N.D.	N.D.	2	100

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Result(s) shown of tested component(s) 002 is/are based on resubmitted part materials.



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## ▼ Phthalates in toys and childcare articles

As specified in entry 51 & entry 52, annex XVII of European regulation (EC) No. 1907/2006 (REACH) with amendment No.552/2009 & No. 2015/326, method(s) EN 14372:2004 was/were used, and the item(s) was/were analyzed by GC-MS.

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>		<u>MDL (mg/kg)</u>	<u>Limit (mg/kg)</u>
	001	002		
Di-2-ethylhexyl Phthalate (DEHP)	N.D.	N.D.	30	--
Dibutyl Phthalate (DBP)	N.D.	N.D.	30	--
Benzylbutyl Phthalate (BBP)	N.D.	N.D.	30	--
SUM(DEHP+DBP+BBP)	N.D.	N.D.	--	1000
Diisononyl Phthalate (DINP)	N.D.	N.D.	50	--
Di-n-octyl Phthalate (DNOP)	N.D.	N.D.	30	--
Diisodecyl Phthalate (DIDP)	N.D.	N.D.	50	--
SUM(DINP + DNOP + DIDP)	N.D.	N.D.	--	1000

### Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- 1000 mg/kg = 0.1%
- Result(s) shown of tested component(s) 002 is/are based on resubmitted part materials.

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**10) AS/NZS ISO 8124 Part 1:2016 Safety aspects related to mechanical and physical properties**

**▼ Safety aspects related to mechanical and physical properties**

As specified in Australian / New Zealand standard on safety of toys AS/NZS 8124 Part 1:2016

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	Requirements	
4.1	Normal use.....	Pass
4.2	Reasonably foreseeable abuse.....	Pass
4.3	Material.....	Pass
4.4	Small parts.....	N/A
4.6	Edges	
	4.6.4 Edges on moulded toys.....	Pass
4.7	Points	
	4.7.1 Accessible sharp points.....	Pass
4.10	Plastic film or plastic bags in packaging and in toys.....	Pass
4.20	Aquatic toys.....	Pass
5	Test methods	
5.24	Reasonably foreseeable abuse tests	
	5.24.2 Drop test.....	Pass
	5.24.5 Torque test.....	Pass
	5.24.6 Tension test.....	Pass
Annex B	Safety-labeling guidelines and manufacturer's markings	
B.2	Safety-labeling guidelines	
B.2.1	Label definition and location .....	Pass
B.2.2	Age grading.....	Pass
B.2.6	Aquatic toys.....	Pass
B.4	Manufacturer's markings.....	Pass

N/A = Not Applicable

Note:

- Only applicable clause(s) was/were shown.

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## 11) AS/NZS 8124.2:2016 Flammability

### ▼ Flammability Test

As specified in Australian/New Zealand standard on safety of toys AS/NZS 8124 Part 2:2016.

<u>Clause</u>	<u>Description</u>	<u>Assessment</u>
4	Requirements	
4.1	General ..... (The following materials shall not be used in the manufacture of toys except as specified in AS/NZS 8124 Part 2:2016: Celluloid, materials with a piled surface which produce surface flash, flammable gases, extremely flammable liquids, highly flammable liquids, flammable liquids, and flammable solids.)	Pass

Note:

- Only applicable clause(s) was/were shown.

## 12) AS/NZS 8124.3:2012/Amdt.1:2016 Australian/New Zealand Standard-Safety of toys

### ▼ Migration of certain elements

Method(s) AS/NZS 8124.3:2012/Amdt.1:2016 was/were used, and the item(s) was/were analyzed by ICP-OES.

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>		<u>MDL (mg/kg)</u>	<u>Limit (mg/kg)</u>
	001	002		
Soluble Antimony (Sb)	N.D.	N.D.	5	60
Soluble Arsenic (As)	N.D.	N.D.	2.5	25
Soluble Barium (Ba)	N.D.	N.D.	5	1000
Soluble Cadmium (Cd)	N.D.	N.D.	5	75
Soluble Chromium (Cr)	N.D.	N.D.	2.5	60
Soluble Lead (Pb)	N.D.	N.D.	5	90
Soluble Mercury (Hg)	N.D.	N.D.	2.5	60
Soluble Selenium (Se)	N.D.	N.D.	5	500

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Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- Result(s) shown are of adjusted analytical results by subtracting analytical correction factor.
- Filter paper was used instead of 0.45µm membrane filter in lab testing.
- Result(s) shown of tested component(s) 002 is/are based on resubmitted part materials.

**13) SOR/2010-273 Consumer products containing Lead (contact with mouth) regulations of CCPSA with amendment SOR/2016-171**

▼ **Total Lead content test** ..... **N/A**

Method(s) Health Canada Product Safety Reference Manual Book 5 - Laboratory Policies and Procedures  
Part B: Test Methods Section, Method C-02.2 was/were used, and the item(s) was/were analyzed by ICP-OES.

**N/A = Not Applicable**

**14) SOR/2016-193 Surface Coating Materials Regulations of Canada Consumer Product Safety Act (CCPSA)**

▼ **Total Lead content** ..... **N/A**

Method(s) Health Canada Product Safety Reference Manual Book 5 - Laboratory Policies and Procedures  
Part B: Test Methods Section, Method C-02.2 was/were used, and the item(s) was/were analyzed by ICP-OES.

**N/A = Not Applicable** (as received, there was no paint or similar surface-coating material on the submitted sample(s), so it is not applicable to the requirement of this standard)

▼ **Total Mercury content** ..... **N/A**

Method(s) Health Canada Product Safety Reference Manual Book 5 - Laboratory Policies and Procedures  
Part B: Test Methods Section, Method C-07 was/were used, and the item(s) was/were analyzed by ICP-OES.

**N/A = Not Applicable** (as received, there was no paint or similar surface-coating material on the submitted sample(s), so it is not applicable to the requirement of this standard)

**Tested Sample/Part Description**

- 001 Transparent PVC(valve)
- 002 Orange PVC(main)

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## Photo(s) of the sample(s)



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

The test report is effective only with both signature and specialized stamp. The result(s) shown in this report refer only to the sample(s) tested. Without written approval of CTI, this report can't be reproduced except in full.