

# Test Report

Report No.: CTT2209031314EN

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**Applicant:** Yongkang Hydo Sports Co., Ltd.

**Address:** 32 Nanyangbei Road, Gushan, Yongkang, Zhejiang, China

**Sample Received Date:** Jun. 15, 2022

**Completed Date:** Aug. 31, 2022

**Report Date:** Sep. 13, 2022

The following merchandise was (were) submitted and identified on behalf of the applicant as:

**Sample Name:** Longboard

**Model No.:** L-1

**Sample Size:** 5

**Manufacturer:** Yongkang Hydo Sports Co., Ltd.

**Supplier:** Yongkang Hydo Sports Co., Ltd.

**Exported to:** GERMANY

**Country of Origin:** CHINA

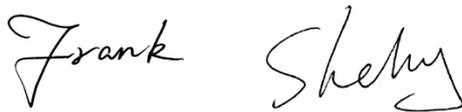
**Test Age Group:** 8+

**Brand:** Sporterra

**Test Result(s):** Please refer to next page(s).

**Test Requested and Conclusion(s):** Please refer to next page(s).

Signed for and on Behalf of CTT:



Frank/Shelly  
Technical Manager



Verification Report

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**Test Requested and Conclusion(s):**

No.	Standard and Requirement	Conclusion(s)
1	EN 71-1:2014+A1:2018, European Standard Safety of toys - Part 1: Mechanical and Physical Properties	PASS
2	EN 13613-2009 - Skateboards-Safety requirements and tests methods	PASS
3	EN 71-2:2020 European Standard Safety of toys -Part 2: Flammability	PASS
4	(EU) 2019/1021 of POPs - Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	PASS
5	Directive 94/62/EC and its amendment - Pb/Cd/Hg/CrVI Content	PASS
6	Annex XVII items 63 of the REACH Regulation (EC) No. 1907/2006 and its amendment - Lead	PASS
7	Annex XVII items 23 of the REACH Regulation (EC) No. 1907/2006 and its amendment - Cadmium	PASS
8	Annex XVII items 50 of the REACH Regulation (EC) No 1907/2006 Class III - Polycyclic aromatic hydrocarbons	PASS
9	Annex XVII items 51 of the REACH Regulation (EC) No. 1907/2006 and its amendment - Phthalates	PASS
10	Category 3 - Non-children products in AfPS GS 2019:01 PAK," Testing and assessment of polycyclic aromatic hydrocarbons (PAHs) in the recognition of the GS mark" - Polycyclic aromatic hydrocarbons	PASS
11	EN 71-3:2019+A1: 2021(Category III) - Soluble Heavy Metal	PASS

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**Test Result(s):**

Flammability - EN 71-2:2020

Section	Testing Items	Assessment
		39
4.1	General requirements	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	NA

**Note:** 1. NA = Not Applicable.

**Test Result(s):**

Mechanical and Physical Test - EN 71-1:2014+A1:2018<sup>s</sup>

Section	Testing Items	Assessment
		39
4	General requirements	PASS
4.1	Material cleanliness	PASS
4.2	Assembly	PASS <sup>*1</sup>
4.3	Flexible plastic sheeting	NA
4.4	Toy bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	PASS <sup>*</sup>
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
4.14.1	Toys which a child can enter	NA
4.14.1 a) and b)	For toys having a door, lid or similar device	NA

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4.14.1 c)	Toy chest	NA
4.14.2	Masks and helmets	NA
4.15	Toys intended to bear the mass of a child	PASS
4.16	Heavy immobile toys	NA
4.17	Projectile toys	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:	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
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
5.8	Shape and size of certain toys	NA
5.9	Toys comprising monofilament fibers	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

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7	Warnings, markings and instructions for use	
7.1	General	PASS
7.2	Toys not intended for children under 36 months	PASS
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectile toys	NA
7.8	Imitation protective masks and helmets	NA
7.9	Toy kites	NA
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	PASS <sup>*1</sup>
7.11	Toys otherwise intended to be strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled teethers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.26	Improvised projectiles	NA

- Note:**
1. NA = Not Applicable
  2. NR = Not Requested
  3. "\*" = This sample is received on Jun. 28, 2022

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4. "\*" = This sample is received on Aug. 09, 2022.

**Remark:** Additional information according to the Toy Safety Directives 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements:

1. Marking

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and the CE-marking shall be indicated on the toy or, where that is not possible, on its packaging or in a document accompany the toy. In addition, manufacturers shall ensure that their

toys bear a type, batch, serial or model number or other element allowing their identification, or where the size or nature of the toy does not allow it, that the required information is provided on the packaging or in a document accompanying the toy.

- Manufacturer's name was not present and Manufacturer's address was not present.
- Importer's name was present and Importer's address was not present.
- CE-Marking was not present.
- Product ID was not present.

The submitted samples were undergone the use and abuse tests in accordance with the EN 71-1:2014+A1:2018

Testing Items	Parameter
	39
Torque test	0.34Nm
Tension test	90N
Drop test	5×850mm
Compression test	110N
Impact test	1×1Kg×100mm

**Test Result(s):**

Skateboards -EN 13613-2009<sup>s</sup>

Section	Testing Items	Assessment
		39
5	Construction	PASS
5.1	General	PASS
5.2	Requirements	PASS
5.2.1	Deck	PASS

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5.2.2	Projection	PASS
5.2.3	Action bolt	PASS
5.2.4	Axles	NA
5.2.5	Edges	PASS
5.2.6	Self-locking fixings	PASS
5.2.7	Wheels	PASS
5.2.8	Bearings	PASS
5.2.9	Strength	PASS
7	Marking	PASS*1
8	Information supplied by the manufacturer	PASS*1

- Note:**
1. NA = Not Applicable.
  2. NR =Not Requested.
  3. "\*" = This sample is received on Aug. 09, 2022.

**Test Result(s):**

Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) - POPs

Method: ISO 18219:2015 <sup>n,s</sup>, analyzed by Gas Chromatograph-Mass Spectrometry (GC-MS).

Material No.	Limit (%)	Result (%)	Conclusion
5	0.15	N.D.	PASS
6+31+32	0.15	N.D.	PASS
24+30+37	0.15	N.D.	PASS
44+45	0.15	N.D.	PASS

- Note:**
1. N.D. = Not Detected (< RL).
  2. RL (Reporting Limit) = 0.01%.
  3. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if the materials are tested separately. This had been taken in account in the conclusion of this report.

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**Test Result(s):**

Pb/Cd/Hg/CrVI Content - Directive 94/62/EC and its amendment

Method: In house Method<sup>n</sup>, analyzed by Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) .

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)
					38
1	Cadmium (Cd)	7440-43-9	--	5	N.D.
2	Chromium (VI)	18540-29-9	--	5	N.D.
3	Lead (Pb)	7439-92-1	--	5	N.D.
4	Mercury (Hg)	7439-97-6	--	5	N.D.
5	Sum (Pb+Cd+Hg+CrVI)	--	100	5	N.D.
<b>Conclusion</b>					PASS

- NOTE:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (Less than Reporting Limit).
  3. The Cr(VI) content were reported as the total Cr content, whenever the result of total Cr exceed 5mg/kg and the CrVI confirm action test was performed.

**Test Result(s):**

Lead - Annex XVII items 63 of the REACH Regulation (EC) No. 1907/2006 and its amendment

Method: CPSC-CH-E1001-08.3, analyzed by Atomic Absorption Spectrometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) .

Substances	Pb	Conclusion
CAS No.	7439-92-1	
Reporting Limit (mg/kg)	10	
Limit (mg/kg)	500	
Material No.	Result (mg/kg)	
10+11	13	PASS
14+15+16	N.D.	PASS
17+18+36	14	PASS
20+22	42	PASS
33+34+35	N.D.	PASS

- NOTE:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (Less than Reporting Limit).
  3. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had not

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been taken in account in the conclusion of this report.

## Test Result(s):

Lead - Annex XVII items 63 of the REACH Regulation (EC) No. 1907/2006 and its amendment

Method: CPSC-CH-E1003-09.1, analyzed by Atomic Absorption Spectrometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) .

Substances	Pb	Conclusion
CAS No.	7439-92-1	
Reporting Limit (mg/kg)	10	
Limit (mg/kg)	500	
Material No.	Result (mg/kg)	
3	N.D.	PASS
4+7+8	N.D.	PASS
21	12	PASS

## NOTE:

1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (Less than Reporting Limit).
3. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had not been taken in account in the conclusion of this report.

## Test Result(s):

Lead - Annex XVII items 63 of the REACH Regulation (EC) No. 1907/2006 and its amendment

Method: CPSC-CH-E1002-08.3, analyzed by Atomic Absorption Spectrometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) .

Substances	Pb	Conclusion
CAS No.	7439-92-1	
Reporting Limit (mg/kg)	10	
Limit (mg/kg)	500	
Material No.	Result (mg/kg)	
5	12	PASS
6+9+32	37	PASS
24+30+37	N.D.	PASS

## NOTE:

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2. N.D. = Not Detected (Less than Reporting Limit).

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3. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had not been taken in account in the conclusion of this report.

**Test Result(s):**

Cadmium - Annex XVII items 23 of the REACH Regulation (EC) No. 1907/2006 and its amendment

Method: CPSC-CH-E1001-08.3<sup>n</sup>, analyzed by Atomic Absorption Spectrometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) .

Substances	Cd	Conclusion
CAS No.	7440-43-9	
Reporting Limit (mg/kg)	2	
Limit (mg/kg)	100	
Material No.	Result (mg/kg)	
10+11	N.D.	PASS
12+13+27	N.D.	PASS
14+15+16	N.D.	PASS
17+18+36	N.D.	PASS
19+20+22	N.D.	PASS
25+26+28	N.D.	PASS
29	N.D.	PASS
33+34+35	N.D.	PASS

**NOTE:**

1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (Less than Reporting Limit).
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**Test Result(s):**

Cadmium - Annex XVII items 23 of the REACH Regulation (EC) No. 1907/2006 and its amendment

Method: CPSC-CH-E1003-09.1<sup>n</sup>, analyzed by Atomic Absorption Spectrometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) .

Substances	Cadmium (Cd)	Conclusion
CAS No.	7440-43-9	
Reporting Limit (mg/kg)	2	
Limit (mg/kg)	1000	
Material No.	Result (mg/kg)	
3	N.D.	PASS
4+7+8	N.D.	PASS
21	N.D.	PASS

**NOTE:**

1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (Less than Reporting Limit).
3. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had not been taken in account in the conclusion of this report.

**Test Result(s):**

Cadmium - Annex XVII items 23 of the REACH Regulation (EC) No. 1907/2006 and its amendment

Method: CPSC-CH-E1002-08.3<sup>n</sup>, analyzed by Atomic Absorption Spectrometer (AAS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) .

Substances	Cd	Conclusion
CAS No.	7440-43-9	
Reporting Limit (mg/kg)	2	
Limit (mg/kg)	100	
Material No.	Result (mg/kg)	
5	N.D.	PASS
6+31+32	N.D.	PASS
9+23	N.D.	PASS
24+30+37	N.D.	PASS

**NOTE:**

1. mg/kg = milligram per kilogram (ppm).
2. N.D. = Not Detected (Less than Reporting Limit).
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**Test Result(s):**

Polycyclic aromatic hydrocarbons - Annex XVII items 50 of the REACH Regulation (EC) No 1907/2006 Class III

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					(4+7+8)D	5D
1	Benzo(a)anthracene (BaA)	56-55-3	0.5	0.20	N.D.	N.D.
2	Chrysene (CHR)	218-01-9	0.5	0.20	N.D.	N.D.
3	Benzo(b)fluoranthene (BbF)	205-99-2	0.5	0.20	N.D.	N.D.
4	Benzo(k)fluoranthene (BkF)	207-08-9	0.5	0.20	N.D.	N.D.
5	Benzo(a)pyrene (BaP)	50-32-8	0.5	0.20	N.D.	N.D.
6	Dibenzo(a,h)anthracene (DBA)	53-70-3	0.5	0.20	N.D.	N.D.
7	Benzo(e)pyrene (BeP)	192-97-2	0.5	0.20	N.D.	N.D.
8	Benzo(j)fluoranthene (BjF)	205-82-3	0.5	0.20	N.D.	N.D.
<b>Conclusion</b>					PASS	PASS

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					(6+9+32)D	21D
1	Benzo(a)anthracene (BaA)	56-55-3	0.5	0.20	N.D.	N.D.
2	Chrysene (CHR)	218-01-9	0.5	0.20	N.D.	N.D.
3	Benzo(b)fluoranthene (BbF)	205-99-2	0.5	0.20	N.D.	N.D.
4	Benzo(k)fluoranthene (BkF)	207-08-9	0.5	0.20	N.D.	N.D.
5	Benzo(a)pyrene (BaP)	50-32-8	0.5	0.20	N.D.	N.D.
6	Dibenzo(a,h)anthracene (DBA)	53-70-3	0.5	0.20	N.D.	N.D.
7	Benzo(e)pyrene (BeP)	192-97-2	0.5	0.20	N.D.	N.D.
8	Benzo(j)fluoranthene (BjF)	205-82-3	0.5	0.20	N.D.	N.D.

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# Test Report

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Conclusion					PASS	PASS
No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					40D	(41+42+43)D**
1	Benzo(a)anthracene (BaA)	56-55-3	0.5	0.20	N.D.	N.D.
2	Chrysene (CHR)	218-01-9	0.5	0.20	N.D.	N.D.
3	Benzo(b)fluoranthene (BbF)	205-99-2	0.5	0.20	N.D.	N.D.
4	Benzo(k)fluoranthene (BkF)	207-08-9	0.5	0.20	N.D.	N.D.
5	Benzo(a)pyrene (BaP)	50-32-8	0.5	0.20	N.D.	N.D.
6	Dibenzo(a,h)anthracene (DBA)	53-70-3	0.5	0.20	N.D.	N.D.
7	Benzo(e)pyrene (BeP)	192-97-2	0.5	0.20	N.D.	N.D.
8	Benzo(j)fluoranthene (BjF)	205-82-3	0.5	0.20	N.D.	N.D.
Conclusion					PASS	PASS

- NOTE:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (Less than Reporting Limit).
  3. "--" = Not Regulated.
  4. Product Class:
    - I = Extender oils.
    - II = Rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use.
    - III = Toys, including activity toys, and childcare articles, if any of their rubber or plastic components that come into direct as well as prolonged or short-term repetitive contact with the human skin or the oral cavity, under normal or reasonably foreseeable conditions of use.
  5. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had not been taken in account in the conclusion of this report.
  6. "D" = The result(s) is(are) tested according to the method AfPS GS 2019:01 PAK.
  7. "\*\*\*" = The test sample(s) is received on Aug. 26, 2022

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**Test Result(s):**

Phthalates - Annex XVII items 51 of the REACH Regulation (EC) No. 1907/2006 and its amendment

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

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					3	4+7+8
1	DBP	84-74-2	--	50	N.D.	N.D.
2	BBP	85-68-7	--	50	N.D.	N.D.
3	DEHP	117-81-7	--	50	N.D.	N.D.
4	DIBP	84-69-5	--	50	N.D.	N.D.
5	Sum (DBP+BBP+DEHP+DIBP)	--	1000	50	N.D.	N.D.
<b>Conclusion</b>					PASS	PASS

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					5	6+31+32
1	DBP	84-74-2	--	50	N.D.	N.D.
2	BBP	85-68-7	--	50	N.D.	N.D.
3	DEHP	117-81-7	--	50	N.D.	N.D.
4	DIBP	84-69-5	--	50	N.D.	N.D.
5	Sum (DBP+BBP+DEHP+DIBP)	--	1000	50	N.D.	N.D.
<b>Conclusion</b>					PASS	PASS

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					21	44+45
1	DBP	84-74-2	--	50	N.D.	N.D.
2	BBP	85-68-7	--	50	N.D.	N.D.
3	DEHP	117-81-7	--	50	N.D.	N.D.
4	DIBP	84-69-5	--	50	N.D.	N.D.
5	Sum (DBP+BBP+DEHP+DIBP)	--	1000	50	N.D.	N.D.
<b>Conclusion</b>					PASS	PASS

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No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					5	6+9+32
					46+47+48	
1	DBP	84-74-2	--	50	N.D.	
2	BBP	85-68-7	--	50	N.D.	
3	DEHP	117-81-7	--	50	N.D.	
4	DIBP	84-69-5	--	50	N.D.	
5	Sum (DBP+BBP+DEHP+DIBP)	--	1000	50	N.D.	
<b>Conclusion</b>					PASS	

- NOTE:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (Less than Reporting Limit).
  3. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had not been taken in account in the conclusion of this report.

**Test Result(s):**

Polycyclic aromatic hydrocarbons - Category 3 - Non-children products in AfPS GS 2019:01 PAK," Testing and assessment of polycyclic aromatic hydrocarbons (PAHs) in the recognition of the GS mark"

Method: AfPS GS 2019:01 PAK, analyzed by Gas Chromatography-Mass Spectrometer (GC-MS) .

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					5	6+9+32
1	Naphthalene (NAP)	91-20-3	10	0.20	N.D.	0.50
2	Phenanthrene (PHE)	85-01-8	--	0.20	N.D.	N.D.
3	Anthracene (ANT)	120-12-7	--	0.20	N.D.	N.D.
4	Fluoranthene (FLT)	206-44-0	--	0.20	N.D.	N.D.
5	Pyrene (PYR)	129-00-0	--	0.20	0.55	N.D.
6	Benzo(a)anthracene (BaA)	56-55-3	1	0.20	N.D.	N.D.
7	Chrysene (CHR)	218-01-9	1	0.20	N.D.	N.D.
8	Benzo(b)fluoranthene (BbF)	205-99-2	1	0.20	N.D.	N.D.
9	Benzo(k)fluoranthene (BkF)	207-08-9	1	0.20	N.D.	N.D.
10	Benzo(a)pyrene (BaP)	50-32-8	1	0.20	N.D.	N.D.
11	Indeno(1,2,3-cd)pyrene	193-39-5	1	0.20	N.D.	N.D.

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	(IPY)					
12	Dibenzo(a,h)anthracene (DBA)	53-70-3	1	0.20	N.D.	N.D.
13	Benzo(g,h,i)perylene (BPE)	191-24-2	1	0.20	N.D.	N.D.
14	Benzo(e)pyrene (BeP)	192-97-2	1	0.20	N.D.	N.D.
15	Benzo(j)fluoranthene (BjF)	205-82-3	1	0.20	N.D.	N.D.
16	Sum of (PHE,ANT,FLT,PYR) <sup>n</sup>	--	50	0.20	0.55	N.D.
17	Sum of 15 items <sup>n</sup>	--	50	0.20	0.55	0.5
<b>Conclusion</b>					PASS	PASS

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					21	40
1	Naphthalene (NAP)	91-20-3	10	0.20	N.D.	4.01
2	Phenanthrene (PHE)	85-01-8	--	0.20	N.D.	0.61
3	Anthracene (ANT)	120-12-7	--	0.20	N.D.	N.D.
4	Fluoranthene (FLT)	206-44-0	--	0.20	N.D.	N.D.
5	Pyrene (PYR)	129-00-0	--	0.20	N.D.	N.D.
6	Benzo(a)anthracene (BaA)	56-55-3	1	0.20	N.D.	N.D.
7	Chrysene (CHR)	218-01-9	1	0.20	N.D.	N.D.
8	Benzo(b)fluoranthene (BbF)	205-99-2	1	0.20	N.D.	N.D.
9	Benzo(k)fluoranthene (BkF)	207-08-9	1	0.20	N.D.	N.D.
10	Benzo(a)pyrene (BaP)	50-32-8	1	0.20	N.D.	N.D.
11	Indeno(1,2,3-cd)pyrene (IPY)	193-39-5	1	0.20	N.D.	N.D.
12	Dibenzo(a,h)anthracene (DBA)	53-70-3	1	0.20	N.D.	N.D.
13	Benzo(g,h,i)perylene (BPE)	191-24-2	1	0.20	N.D.	N.D.
14	Benzo(e)pyrene (BeP)	192-97-2	1	0.20	N.D.	N.D.
15	Benzo(j)fluoranthene (BjF)	205-82-3	1	0.20	N.D.	N.D.

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16	Sum of (PHE,ANT,FLT,PYR) <sup>n</sup>	--	50	0.20	N.D.	0.61
17	Sum of 15 items <sup>n</sup>	--	50	0.20	N.D.	4.62
<b>Conclusion</b>					PASS	PASS

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)
					41+42+43**
1	Naphthalene (NAP)	91-20-3	10	0.20	0.68
2	Phenanthrene (PHE)	85-01-8	--	0.20	4.34
3	Anthracene (ANT)	120-12-7	--	0.20	N.D.
4	Fluoranthene (FLT)	206-44-0	--	0.20	N.D.
5	Pyrene (PYR)	129-00-0	--	0.20	N.D.
6	Benzo(a)anthracene (BaA)	56-55-3	1	0.20	N.D.
7	Chrysene (CHR)	218-01-9	1	0.20	N.D.
8	Benzo(b)fluoranthene (BbF)	205-99-2	1	0.20	N.D.
9	Benzo(k)fluoranthene (BkF)	207-08-9	1	0.20	N.D.
10	Benzo(a)pyrene (BaP)	50-32-8	1	0.20	N.D.
11	Indeno(1,2,3-cd)pyrene (IPY)	193-39-5	1	0.20	N.D.
12	Dibenzo(a,h)anthracene (DBA)	53-70-3	1	0.20	N.D.
13	Benzo(g,h,i)perylene (BPE)	191-24-2	1	0.20	N.D.
14	Benzo(e)pyrene (BeP)	192-97-2	1	0.20	N.D.
15	Benzo(j)fluoranthene (BjF)	205-82-3	1	0.20	N.D.
16	Sum of (PHE,ANT,FLT,PYR) <sup>n</sup>	--	50	0.20	4.34
17	Sum of 15 items <sup>n</sup>	--	50	0.20	5.02
<b>Conclusion</b>					PASS

- NOTE:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (Less than Reporting Limit).
  3. "--" = Not Regulated.

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4. Sum of 15 items = Sum of (PHE, ANT, FLT, PYR, NAP, BaA, CHR, BbFA, BkFA, BaP, IPY, DBAaH, BPE, BeP, BjFA)
5. "+" = The test result is obtained from composite testing on materials linked with "+" mark, it is possible that individual test result can be higher if materials are tested separately. This had not been taken in account in the conclusion of this report.
6. "\*\*\*" = The test sample(s) is received on Aug. 26, 2022

## Test Result(s):

Soluble Heavy Metal - EN 71-3:2019+A1: 2021(Category III)

**Method:** EN 71-3:2019+A1:2021, analyzed by Ion Chromatography-Ultraviolet-Visible Spectrometer (IC-UV) or Inductively coupled plasma mass spectrometry (ICP-MS) or Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES) .

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					1	2
1	Soluble Aluminum (Al)	7429-90-5	28130	5	215	70
2	Soluble Antimony (Sb)	7440-36-0	560	5	N.D.	N.D.
3	Soluble Arsenic (As)	7440-38-2	47	2.5	N.D.	N.D.
4	Soluble Barium (Ba)	7440-39-3	18750	5	12	14
5	Soluble Boron (B)	7440-42-8	15000	5	N.D.	N.D.
6	Soluble Cadmium (Cd)	7440-43-9	17	5	N.D.	N.D.
7	Soluble Cobalt (Co)	7440-48-4	130	5	N.D.	N.D.
8	Soluble Copper (Cu)	7440-50-8	7700	5	7	6
9	Soluble CrIII <sup>n</sup>	--	460	2.0	N.D.	N.D.
10	Soluble CrVI <sup>n</sup>	18540-29-9	0.053	0.025	N.D.	N.D.
11	Soluble Lead (Pb)	7439-92-1	23	5	8	N.D.
12	Soluble Manganese (Mn)	7439-96-5	15000	5	56	18
13	Soluble Mercury (Hg)	7439-97-6	94	5	N.D.	N.D.

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14	Soluble Nickel (Ni)	7440-02-0	930	5	N.D.	N.D.
15	Soluble Organic tin	--	12	2.5	N.D.	N.D.
16	Soluble Selenium (Se)	7782-49-2	460	5	N.D.	N.D.
17	Soluble Strontium (Sr)	7440-24-6	56000	5	N.D.	N.D.
18	Soluble Tin (Sn)	7440-31-5	180000	2.5	N.D.	N.D.
19	Soluble Zinc (Zn)	7440-66-6	46000	5	21	13
<b>Conclusion</b>					PASS	PASS

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					3	4
1	Soluble Aluminum (Al)	7429-90-5	28130	5	193	230
2	Soluble Antimony (Sb)	7440-36-0	560	5	N.D.	N.D.
3	Soluble Arsenic (As)	7440-38-2	47	2.5	N.D.	N.D.
4	Soluble Barium (Ba)	7440-39-3	18750	5	6	36
5	Soluble Boron (B)	7440-42-8	15000	5	N.D.	8
6	Soluble Cadmium (Cd)	7440-43-9	17	5	N.D.	N.D.
7	Soluble Cobalt (Co)	7440-48-4	130	5	N.D.	N.D.
8	Soluble Copper (Cu)	7440-50-8	7700	5	N.D.	20
9	Soluble CrIII <sup>n</sup>	--	460	2.0	2.9	4.2
10	Soluble CrVI <sup>n</sup>	18540-29-9	0.053	0.025	N.D.	N.D.
11	Soluble Lead (Pb)	7439-92-1	23	5	N.D.	N.D.
12	Soluble Manganese (Mn)	7439-96-5	15000	5	N.D.	12
13	Soluble Mercury (Hg)	7439-97-6	94	5	N.D.	N.D.
14	Soluble Nickel	7440-02-0	930	5	N.D.	N.D.

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	(Ni)					
15	Soluble Organic tin	--	12	2.5	N.D.	N.D.
16	Soluble Selenium (Se)	7782-49-2	460	5	N.D.	N.D.
17	Soluble Strontium (Sr)	7440-24-6	56000	5	184	6
18	Soluble Tin (Sn)	7440-31-5	180000	2.5	N.D.	N.D.
19	Soluble Zinc (Zn)	7440-66-6	46000	5	114	627
<b>Conclusion</b>					PASS	PASS

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					5	6
1	Soluble Aluminum (Al)	7429-90-5	28130	5	12	N.D.
2	Soluble Antimony (Sb)	7440-36-0	560	5	N.D.	N.D.
3	Soluble Arsenic (As)	7440-38-2	47	2.5	N.D.	N.D.
4	Soluble Barium (Ba)	7440-39-3	18750	5	N.D.	N.D.
5	Soluble Boron (B)	7440-42-8	15000	5	N.D.	N.D.
6	Soluble Cadmium (Cd)	7440-43-9	17	5	N.D.	N.D.
7	Soluble Cobalt (Co)	7440-48-4	130	5	N.D.	N.D.
8	Soluble Copper (Cu)	7440-50-8	7700	5	N.D.	N.D.
9	Soluble CrIII <sup>n</sup>	--	460	2.0	N.D.	N.D.
10	Soluble CrVI <sup>n</sup>	18540-29-9	0.053	0.025	N.D.	N.D.
11	Soluble Lead (Pb)	7439-92-1	23	5	6	7
12	Soluble Manganese (Mn)	7439-96-5	15000	5	N.D.	N.D.
13	Soluble Mercury (Hg)	7439-97-6	94	5	N.D.	N.D.
14	Soluble Nickel (Ni)	7440-02-0	930	5	N.D.	N.D.

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15	Soluble Organic tin	--	12	2.5	N.D.	N.D.
16	Soluble Selenium (Se)	7782-49-2	460	5	N.D.	N.D.
17	Soluble Strontium (Sr)	7440-24-6	56000	5	N.D.	N.D.
18	Soluble Tin (Sn)	7440-31-5	180000	2.5	N.D.	N.D.
19	Soluble Zinc (Zn)	7440-66-6	46000	5	N.D.	6
<b>Conclusion</b>					PASS	PASS

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					9	21
1	Soluble Aluminum (Al)	7429-90-5	28130	5	N.D.	7188
2	Soluble Antimony (Sb)	7440-36-0	560	5	N.D.	N.D.
3	Soluble Arsenic (As)	7440-38-2	47	2.5	N.D.	N.D.
4	Soluble Barium (Ba)	7440-39-3	18750	5	N.D.	700
5	Soluble Boron (B)	7440-42-8	15000	5	N.D.	N.D.
6	Soluble Cadmium (Cd)	7440-43-9	17	5	N.D.	N.D.
7	Soluble Cobalt (Co)	7440-48-4	130	5	N.D.	N.D.
8	Soluble Copper (Cu)	7440-50-8	7700	5	N.D.	N.D.
9	Soluble CrIII <sup>n</sup>	--	460	2.0	N.D.	6.4
10	Soluble CrVI <sup>n</sup>	18540-29-9	0.053	0.025	N.D.	N.D.
11	Soluble Lead (Pb)	7439-92-1	23	5	N.D.	N.D.
12	Soluble Manganese (Mn)	7439-96-5	15000	5	N.D.	45
13	Soluble Mercury (Hg)	7439-97-6	94	5	N.D.	N.D.
14	Soluble Nickel (Ni)	7440-02-0	930	5	N.D.	N.D.
15	Soluble Organic	--	12	2.5	N.D.	N.D.

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	tin					
16	Soluble Selenium (Se)	7782-49-2	460	5	N.D.	N.D.
17	Soluble Strontium (Sr)	7440-24-6	56000	5	N.D.	29
18	Soluble Tin (Sn)	7440-31-5	180000	2.5	N.D.	N.D.
19	Soluble Zinc (Zn)	7440-66-6	46000	5	5	16
<b>Conclusion</b>					PASS	PASS

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					24	30
1	Soluble Aluminum (Al)	7429-90-5	28130	5	22	34
2	Soluble Antimony (Sb)	7440-36-0	560	5	N.D.	N.D.
3	Soluble Arsenic (As)	7440-38-2	47	2.5	N.D.	N.D.
4	Soluble Barium (Ba)	7440-39-3	18750	5	N.D.	8
5	Soluble Boron (B)	7440-42-8	15000	5	N.D.	N.D.
6	Soluble Cadmium (Cd)	7440-43-9	17	5	N.D.	N.D.
7	Soluble Cobalt (Co)	7440-48-4	130	5	N.D.	N.D.
8	Soluble Copper (Cu)	7440-50-8	7700	5	N.D.	11
9	Soluble CrIII <sup>n</sup>	--	460	2.0	N.D.	N.D.
10	Soluble CrVI <sup>n</sup>	18540-29-9	0.053	0.025	N.D.	N.D.
11	Soluble Lead (Pb)	7439-92-1	23	5	N.D.	N.D.
12	Soluble Manganese (Mn)	7439-96-5	15000	5	N.D.	N.D.
13	Soluble Mercury (Hg)	7439-97-6	94	5	N.D.	N.D.
14	Soluble Nickel (Ni)	7440-02-0	930	5	N.D.	N.D.
15	Soluble Organic tin	--	12	2.5	N.D.	N.D.

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16	Soluble Selenium (Se)	7782-49-2	460	5	N.D.	N.D.
17	Soluble Strontium (Sr)	7440-24-6	56000	5	N.D.	7
18	Soluble Tin (Sn)	7440-31-5	180000	2.5	N.D.	N.D.
19	Soluble Zinc (Zn)	7440-66-6	46000	5	9	752
<b>Conclusion</b>					PASS	PASS

No.	Substances Name	CAS No.	Limit (mg/kg)	Reporting Limit (mg/kg)	Result (mg/kg)	
					32	37
1	Soluble Aluminum (Al)	7429-90-5	28130	5	N.D.	11
2	Soluble Antimony (Sb)	7440-36-0	560	5	N.D.	N.D.
3	Soluble Arsenic (As)	7440-38-2	47	2.5	N.D.	N.D.
4	Soluble Barium (Ba)	7440-39-3	18750	5	N.D.	5
5	Soluble Boron (B)	7440-42-8	15000	5	N.D.	N.D.
6	Soluble Cadmium (Cd)	7440-43-9	17	5	N.D.	N.D.
7	Soluble Cobalt (Co)	7440-48-4	130	5	N.D.	N.D.
8	Soluble Copper (Cu)	7440-50-8	7700	5	8	N.D.
9	Soluble CrIII <sup>n</sup>	--	460	2.0	N.D.	N.D.
10	Soluble CrVI <sup>n</sup>	18540-29-9	0.053	0.025	N.D.	N.D.
11	Soluble Lead (Pb)	7439-92-1	23	5	N.D.	N.D.
12	Soluble Manganese (Mn)	7439-96-5	15000	5	N.D.	N.D.
13	Soluble Mercury (Hg)	7439-97-6	94	5	N.D.	N.D.
14	Soluble Nickel (Ni)	7440-02-0	930	5	N.D.	32
15	Soluble Organic tin	--	12	2.5	N.D.	N.D.
16	Soluble Selenium	7782-49-2	460	5	N.D.	N.D.

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	(Se)					
17	Soluble Strontium (Sr)	7440-24-6	56000	5	N.D.	N.D.
18	Soluble Tin (Sn)	7440-31-5	180000	2.5	N.D.	N.D.
19	Soluble Zinc (Zn)	7440-66-6	46000	5	7	251
<b>Conclusion</b>					PASS	PASS

- NOTE:**
1. mg/kg = milligram per kilogram (ppm).
  2. N.D. = Not Detected (Less than Reporting Limit).
  3. Migration of organic tin was calculated by summation of the migration values of Methyl tin, Dimethyl tin, Di-n-propyl tin, Butyl tin, Dibutyl tin, Tributyl tin, Tetrabutyl tin, n-Octyl tin, Di-n-octyl tin, Diphenyl tin, Triphenyl tin and was expressed as tributyltin cation content. However other organic tin compounds may also be present in the sample, The Toy Safety Directive (2009/48/EC) requirement covers total migratable organic tin.
  4. The soluble organic tin was not conducted due to the soluble tin is not detected.
  5. Soluble chromium (VI) test method: EN 71-3:2019+A1:2021 Annex F, analyzed by Ion Chromatograph Ultraviolet spectroscopy (IC-UV).
  6. Soluble organic tin test method: EN 71-3:2019+A1:2021 Annex G, analyzed by Gas Chromatography - Mass Spectroscopy (GC-MS).

**Note:** The test result(s) refers to CTT2206031441EN.

## Test Material List

Material No.	Sample Description	Location
1	Brown wood	Skateboard
2	Red wood	Joint
3	Multicolor paint	Coating of skateboard
4	Transparent varnish	Coating of skateboard
5	Black plastic with black solid with glue	Surface of skateboard
6	Purple plastic	Wheel
7	White paint	Coating of wheel
8	Cyan paint	Coating of wheel
9	Red plastic	Cylindrical accessory
10	Silvery metal with black oxide layer	Large lid
11	Silvery metal with black oxide layer	Small lid
12	Silvery plating metal	Large spacer

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13	Silvery plating metal	Small spacer
14	Silvery metal with black oxide layer	Small nut
15	Silvery metal with black oxide layer	Large nut
16	Silvery metal with black oxide layer	Largest nut
17	Silvery metal with black oxide layer	Small screw
18	Silvery metal with black oxide layer	Large screw
19	Silvery gray metal	Shaft (wheel)
20	Silvery metal	Substrate of triangle accessory
21	Black paint	Coating of triangle accessory
22	Silvery metal	Pedestal
23	Black plastic	Lid
24	Black plastic	Wheel hub
25	Silvery metal	Largest circular tube
26	Silvery metal	Large circular tube
27	Silvery plating metal	Round bead
28	Silvery metal	Small circular tube
29	Copper metal	Round ring
30	Black plastic	Surface of round ring
31	Brown plastic with beige plastic	Partition
32	Black plastic	T-shaped accessory
33	Silvery plating metal	Largest lamp base
34	Silvery plating metal	Large lamp base
35	Silvery plating metal	Small lamp base
36	Silvery plating metal	Phillips screwdriver
37	Black plastic	Round ring
38	Transparent plastic	Laminating film
39	Skateboard	Skateboard entirety
40	Multicolor paint	Coating of plastic slice
41	Transparent varnish	Varnish
42	White paint	Paint
43	Green paint	Paint
44	Red plastic	Cylindrical accessory
45	Black plastic	Lid
46	White plastic	Wheel hub
47	Black plastic	Surface of round ring
48	Black plastic	Round ring

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**Photo of Sample:**



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

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