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Applicant: CARPENTERS MANUFACTORY LIMITED

Address: HUANG JIN JI INDUSTRIAL ZONE, SHANG JIE VILLAGE, QI SHI TOWN, DONG

GUAN CITY, GUANG DONG PROVINCE, P.R.CHINA

The following sample(s) and sample information was/were submitted and identified by client as:

Sample Name: Visual Sensory Training Board

Model/Style/Item #: MK30092

Labeled Age Grade: 3y+

Requested Age Grade: 3y+

Tested Age Grade: 3y+

Receiving Date: 26-Sep-2024

Test Period: From 26-Sep-2024 to 12-Oct-2024

Add Information: -

Signed for and on behalf of ST

Mark Mai

(Technical Director)

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Test Summary:

#	Test Item(s)	Reference Standard/Method	Result
1	Safety of Toys: Mechanical and Physical Properties	EN 71-1:2014+A1:2018	PASS
2	Safety of Toys: Flammability	EN 71-2:2020	PASS
3	Safety of Toys: Migration of Certain Elements	EN 71-3:2019+A1:2021	PASS
4	Labeling requirement (Washing/Cleaning Label, CE mark, importer / manufacturer mark (name, address), product identification) according to Informative Annex A.26 and A.33 of the European standard on Safety of toys EN 71-1:2014+A1:2018 and the Directive 2009/48/EC-Safety of toys	EN 71-1:2014+A1:2018 and the Directive 2009/48/EC-Safety of toys	SEE RESULT
5	Phthalate content (DIBP、DEHP、DBP、BBP、DINP、DIDP、DNOP) -Item 51&52 of Annex XVII of REACH Regulation (EC) 1907/2006.	EN 14372:2004 & IEC 62321-8:2017, determined by GC-MS	PASS
6	Cadmium content -Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006	IEC 62321-5:2013, determined by AAS	PASS
7	Mechanical and Physical Propertie	ASTM F963-23	PASS
8	Flammability of Solids	16 CFR 1500.44 / ASTM F963-23, A5	PASS
9	Soluble Migrated Elements ASTM F963-23	ASTM F963-23, determined by ICP-OES	PASS
10	Lead Content (Pb) ASTM F963-23	CPSC-CH-E1001-08.3 (Metal Substrate), CPSC-CH-E1002-08.3 (Non-metal Substrate), CPSC-CH-E1003-09.1 (Surface Coating), determined by AAS	PASS
11	Lead Content (Pb) CPSIA H.R. 4040 Sec. 101	CPSC-CH-E1001-08.3 (Metal Substrate), CPSC-CH-E1002-08.3 (Non-metal Substrate), CPSC-CH-E1003-09.1 (Surface Coating), determined by AAS	PASS
12	Phthalates (DIBP, DBP, DPENP, DHEXP, BBP, DEHP, DCHP, DINP) - CPSIA H.R. 4040 Sec. 108	CPSC-CH-C1001-09.4, Solvent extract and determined by GC/MS	PASS
13	Mechanical and Physical Properties (Except Clause 3)	SOR/2011-17	PASS
14	Flammability	SOR/2011-17	PASS
15	Lead Content (Pb) and Mercury Content (Hg) SOR/2011-17	Canada Product Safety Laboratory Book 5 - Laboratory Policies and Procedures Part B,Test Methods Section, Method C02.2:2022&Method C-07:2023	
16	Soluble Migrated Elements SOR/2011-17	Canada Product safety reference manual Book 5- Laboratory policies and procedures Part B: Test Methods Section, Method C-03: 2022	PASS
17	Phthalates (DBP, BBP, DEHP, DNOP, DINP, DIDP) SOR/2016-188	Canada health - Product Safety Reference Manual, Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section. Method C-34:2018, Solvent extract and determined by GC/MS	PASS







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18	Mechanical and Physical Propertie - Australian/New Zealand Standard on Safety of Toys	AS/NZS ISO 8124.1:2023	PASS
19	Flammability Properties - Australian/New Zealand Standard on Safety of Toys	AS/NZS ISO 8124.2:2023	PASS
20	Soluble elements Content- Australian/New Zealand Standard on Safety of Toys	AS/NZS ISO 8124.3:2021+A1: 2023	PASS
21	Phthalates content- As Client's Requirement	CPSC-CH-C1001-09.4, determined by GC-MS	PASS
22	Phthalates (DIBP, DBP, DPENP, DHEXP, BBP, DEHP, DCHP, DINP) - ASTM F963-23	CPSC-CH-C1001-09.4, Solvent extract and determined by GC/MS	PASS
23	Tracking labels for children 's products	CPSIA H.R. 4040 Sec. 103	PASS
24	Lead Content (Pb)-16 CFR 1303	CPSC-CH-E1003-09.1 (Surface Coating), determined by AAS	PASS

Result:

1. Safety of Toys: Mechanical and Physical Properties - EN 71-1:2014+A1:2018

PASS

Clause	Parameter	Results				
4	General requirements					
4.1	Material cleanliness	Pass				
4.2	Assembly	NA				
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				







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	I					
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	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 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 requirement	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				







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5.9	Toys comprising monofilament fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA NA
0.11	r lay ligures	IVA
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	NA
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 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	NA
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







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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 300 mm 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

Remark(s): (a) NA = Not Applicable

(b) *=The item/clause is not included in CNAS Accreditation scope

Safety of Toys: Flammability - EN 71-2:2020

PASS

Clause	Parameter	Results
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

Remark(s): (a)NA = Not Applicable

(b)Except for 4.1 Flammable, highly flammable and extremely flammable gases, liquids and gelatinous bodies materials.

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Guangzhou Depuhua Test Services Co. Ltd.

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3. Safety of Toys: Migration of Certain Elements EN 71-3:2019+A1:2021 General elements, determined by ICP-OES, ICP-MS Chromium(VI), determined by ICP-MS

Organic tin, determined by GC-MS

		Material								
	Compound			Ca	ategory I	II ^{*1}			Limit (mg/kg)	RL (mg/kg)
		1	2	3	4	5	6	7	(99)	(99)
1	Aluminum (Al)	N.D.	N.D.	N.D.	12	N.D.	N.D.	N.D.	70000	10
2	Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	560	10
3	Arsenic(As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	47	5
4	Barium(Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	18750	10
5	Boron (B)	Soron (B) N.D. N.D. N.D. N.D. N.D. N.D. N.D.		N.D.	15000	10				
6	Cadmium (Cd)	admium (Cd) N.D. N.D. N.D. N.D. N.D. N.D. N.D.		N.D.	17	5				
7	Chromium (III) (Cr)	um (III) (Cr) N.D. N.D. N.D. N.D. N.D. N.D. N.D.		N.D.	460	10				
8	Chromium (VI) (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.053	0.005
9	Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	130	10
10	Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7700	10
11	Lead(Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	23	5
12	Manganese (Mn)	37	30	N.D.	N.D.	N.D.	10	N.D.	15000	10
13	Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	94	10
14	Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	930	10
15	Selenium(Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460	10
16	Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	56000	10
17	Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	180000	2.0
18	Organic tin (Sn)*2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	12	0.2
19	Zinc (Zn)	N.D.	N.D.	N.D.	11	N.D.	N.D.	N.D.	46000	10
	Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	-	-







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					Material						
	Compound		Category III*1						Limit (mg/kg)	RL (mg/kg)	
		8	9	10	11	12	13	14	(***3***3)	(***9***9)	
1	Aluminum (Al)	N.D.	N.D.	87	N.D.	11	N.D.	N.D.	70000	10	
2	Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	560	10	
3	Arsenic(As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	47	5	
4	Barium(Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	18750	10	
5	Boron (B)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000	10	
6	Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	17	5	
7	Chromium (III) (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460	10	
8	Chromium (VI) (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	0.053	0.005	
9	Cobalt (Co)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	130	10	
10	Copper (Cu)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	7700	10	
11	Lead(Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	23	5	
12	Manganese (Mn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	15000	10	
13	Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	94	10	
14	Nickel (Ni)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	930	10	
15	Selenium(Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	460	10	
16	Strontium (Sr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	56000	10	
17	Tin (Sn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	180000	2.0	
18	Organic tin (Sn)*2	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	12	0.2	
19	Zinc (Zn)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	46000	10	
	Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	-	-	







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		Material			
	Compound	Category I	II*1	Limit (mg/kg)	RL (mg/kg)
		15		(3 3/	
1	Aluminum (AI)	N.D.		70000	10
2	Antimony (Sb)	N.D.		560	10
3	Arsenic(As)	N.D.		47	5
4	Barium(Ba)	N.D.		18750	10
5	Boron (B)	N.D.		15000	10
6	Cadmium (Cd)	N.D.		17	5
7	Chromium (III) (Cr)	N.D.		460	10
8	Chromium (VI) (Cr)	N.D.	}	0.053	0.005
9	Cobalt (Co)	N.D.)	130	10
10	Copper (Cu)	N.D.	(7700	10
11	Lead(Pb)	N.D.	/	23	5
12	Manganese (Mn)	N.D.		15000	10
13	Mercury (Hg)	N.D.		94	10
14	Nickel (Ni)	N.D.		930	10
15	Selenium(Se)	N.D.		460	10
16	Strontium (Sr)	N.D.		56000	10
17	Tin (Sn)	N.D.		180000	2.0
18	Organic tin (Sn)*2	N.D.		12	0.2
19	Zinc (Zn)	N.D.		46000	10
	Conclusion	PASS	<i>'</i>	-	-

Remark(s): (a) mg/kg: milligram per kilogram = part per million = ppm

(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)
*1: Categories of various materials:
Category I: Dry, brittle, powder like or pliable material

Category II: Liquid or sticky material







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Category III: Scraped-off material *2: Measured by soluble Tributyltin.

4. Safety of Toys:Labeling requirement EN 71- 1:2014+A1:2018 AND THE DIRECTIVE 2009/48/EC

Summary table:

	Observation Result	Location
Washing/Cleaning instruction	Not applicable	-
CE mark	Present	Packaging
Importer's Name & Address	Present	Packaging
Manufacturer's Name & Address	Present	Packaging
Product ID	Present	Packaging

- Remark(s): 1. According to Directive 2009/48/EC, a toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. A textile toy must, to this end, be washable, except if it contains a mechanism that may be damaged if soak washed. The manufacturer should, if applicable, provide instructions on how the toy has to be cleaned. According to the GUIDANCE DOCUMENT ON THE APPLICATION OF DIRECTIVE 2009/48/EC ON THE SAFETY OF TOYS, manufacturer shall not label "surface washing" on textile toys which, under the TSD, need to be soak washable.
 - 2. CE marking should be visible from outside the packaging and its height must be at least 5mm.
 - 3. Manufacturer's and Importer's name, registered trade name or registered trade mark and the address at which the manufacturer can be contacted must be indicated on the toy or, where that is not possible, on its packaging or in a document accompanying the toy.
 - 4. Manufacturers must 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.
 - 5. The label assessment was based on the submitted samples and the information provided by the applicant. There was no verification on the validity of such information.
 - 6. This item is not included in CNAS Accreditation scope.

Phthalate content (DIBP, DEHP, DBP, BBP, DINP, DIDP, DNOP) - Item 51& 52 of Annex XVII of REACH Regulation (EC) 1907/2006

EN 14372:2004 & IEC 62321-8:2017, determined by GC-MS

			Material						RL
Compound		1		3 4		6	(%)	(%)	
1	DBP	Dibutyl Phthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	BBP	Benzylbutyl Phthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DEHP	Bis-(2-ethylhexyl)Phthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005







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	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-
9	Sum of 5, 6 & 7		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
8	8 Sum of 1, 2, 3 & 4		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
7	DIDP	Diisodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	N.D.) -	0.005
6	DINP Di-iso-nonyl phthalate CAS# 28553-12-0		N.D.	N.D.	N.D.	N.D.	N.D.	-	0.005
5	DNOP	DNOP Di-n-octyl phthalate CAS# 117-84-0		N.D.	N.D.	N.D.	N.D.	-	0.005

	0.0	d			Material			Limit	RL
	Co	mpound	7	8	9	10	11	(%)	(%)
1	DBP	Dibutyl Phthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	BBP	Benzylbutyl Phthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DEHP	Bis-(2-ethylhexyl)Phthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	DNOP	Di-n-octyl phthalate CAS# 117-84-0	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.005
6	DINP	Di-iso-nonyl phthalate CAS# 28553-12-0	N.D.	N.D.	N.D.	N.D.	N.D.	<u>-</u>	0.005
7	DIDP	Diisodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	N.D.	-	0.005
8	Sum of 1, 2, 3 & 4		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	_
9	9 Sum of 5, 6 & 7		N.D.	N.D.	N.D.	N.D.	N.D.	0.1	-
	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-

	Compound			Mat	terial		Limit	RL (%)
			12	13	14	15	(%)	
1	DBP	Dibutyl Phthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	BBP	Benzylbutyl Phthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DEHP	Bis-(2-ethylhexyl)Phthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	DNOP	Di-n-octyl phthalate CAS# 117-84-0	N.D.	N.D.	N.D.	N.D.	-	0.005







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	Conclusion		PASS	PASS	PASS	PASS	-	-
9	Sum of 5, 6 & 7		N.D.	N.D.	0.023	N.D.	0.1	-
8	8 Sum of 1, 2, 3 & 4		N.D.	N.D.	N.D.	N.D.	0.1	-
7	DIDP Diisodecyl phthalate CAS# 26761-40-0		N.D.	N.D.	N.D.	N.D.	-	0.005
6	DINP Di-iso-nonyl phthalate CAS# 28553-12-0		N.D.	N.D.	0.023	N.D.	-	0.005

Remark(s): (a) RL: Report limit

(b) N.D.: Not detected (result is less than RL)

6. Cadmium content - Item 23 of Annex XVII of REACH Regulation (EC) 1907/2006 IEC 62321-5:2013, determined by AAS

Compound				Material			Limit	RL
		3	4	5	6	7	(mg/kg)	(mg/kg)
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	N.D.	N.D.	N.D.	1000	10
	Conclusion	PASS	PASS	PASS	PASS	PASS	-	

	Compound		Limit	RL		
Compound		8	9	10	(mg/kg)	(mg/kg)
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	N.D.	1000	10
	Conclusion	PASS	PASS	PASS	-	-

	Compound			Mat	erial			Limit	RL
Compound		1	11	12	13	14	15	(mg/kg)	(mg/kg)
1	Cadmium (Cd) CAS#7440-43-9	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100	10
Conclusion		PASS	PASS	PASS	PASS	PASS	PASS	-	-

Remark(s): (a) RL: Report limit (b) N.D.: Not detected (result is less than RL)

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Guangzhou Depuhua Test Services Co. Ltd.

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Mechanical and Physical Properties – ASTM F963-23

PASS

Clause	Parameter	Results
4	Safety Requirements	
4.1	Material Quality	Pass
4.4	Electrical / Thermal Energy*	NA
4.5	Sound-Producing Toys	NA
4.6	Small Objects	NA
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	NA
4.13	Folding Mechanisms and Hinges	NA
4.14	Cords, Straps, and Elastics	NA
4.15	Stability and Over-Load Requirements	NA
4.16	Confined Spaces	NA 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







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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	NA		
4.28	Stroller and Carriage Toys	NA		
4.29	Art Materials	NA		
4.30	Toy Gun Marking	NA		
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 Entrapments in Handles and Steering Wheels	NA		
4.40	Expanding Materials*	NA		
4.41	Toy Chests	NA NA		
5	Labeling Requirements			
5.1	Federal Government Requirements	Pass		
5.2	Age Grading Labeling	Pass		
5.3	Safety Labeling Requirements	NA		
5.4	Aquatic Toys	NA		
5.5	Crib and Playpen Toys	NA		
5.6	Mobiles	NA		
5.7	Stroller and Carriage Toys	NA		
		•		







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5.8	Toys Intended to be Assembled by an Adult	NA
5.9	Simulated Protective Devices	NA
5.10	Toys with Functional Sharp Edges or Points	NA
5.11	Small Objects, Small Balls, Marbles, and Balloons	NA
5.12	Art Materials	NA
5.13	Electric Toys	NA
5.14	Battery-operated Toys	NA
5.15	Promotional Materials	Pass
5.16	Magnets	NA
6	Instructional Literature	(
6.1	Definition and Description	Pass
6.2	Crib and Playpen Toys	NA
6.3	Mobiles	NA
6.4	Toys Intended to be Assembled by an Adult	NA
6.5	Battery-Operated Toys	NA
6.6	Battery-powered Ride-on Toys	NA
6.7	Toys in Contact with Food	NA NA
6.8	Toy Chests	NA
7	Producer's Markings	Pass
8	Test Methods	Pass
8.5	Normal Use Testing	Pass
8.6	Abuse Testing	Pass
8.7	Impact Tests	Pass
8.8	Torque Tests for Removal of Components	Pass
8.9	Tension Tests for Removal of Components	Pass







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Remark(s): (a) NA = Not Applicable

(b) (b)*=The item/clause is not included in CNAS Accreditation scope.

(c) The results of Tracking label shall refer to the 23 test item.

8. Flammability of Solids - 16 CFR 1500.44 / ASTM F963-23, A5

PASS

Clause	Parameter	Results
16 CFR 1500.44 / ASTM F963-23, A5	Flammability	Pass

9.1 Heavy Elements-- Clause 4.3.5.1 Paint and Similar Surface-coating Materials(Soluble Migrated Elements)

ASTM F963-23, determined by ICP-OES

	0			Material			Limit	RL
	Compound	3	4	5	6	7	(mg/kg)	(mg/kg)
1	Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	60	5
2	Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	25	2
3	Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	1000	5
4	Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	75	5
5	Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	60	5
6	Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	90	5
7	Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	60	5
8	Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	500	5
	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

	Compound		Material	Material			
Compound		8	9	10	(mg/kg)	(mg/kg)	
1	Antimony (Sb)	N.D.	N.D.	N.D.	60	5	
2	Arsenic (As)	N.D.	N.D.	N.D.	25	2	







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	Conclusion	PASS	PASS	PASS	_	_
8	Selenium (Se)	N.D.	N.D.	N.D.	500	5
7	Mercury (Hg)	N.D.	N.D.	N.D.	60	5
6	Lead (Pb)	N.D.	N.D.	N.D.	90	5
5	Chromium (Cr)	N.D.	N.D.	N.D.	60	5
4	Cadmium (Cd)	N.D.	N.D.	N.D.	75	5
3	Barium (Ba)	N.D.	N.D.	N.D.	1000	5

Remark(s): (a) mg/kg: milligram per kilogram (b) RL: Report limit

(c) N.D.: Not detected (result is less than RL)

Heavy Elements-- Clause 4.3.5.2 Toy Substrate Materials(Soluble Migrated Elements) 9.2 ASTM F963-23, determined by ICP-OES

	0			Material			Limit	RL	
	Compound	1	2	11	12	13	(mg/kg)	(mg/kg)	
1	Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	60	5	
2	Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	25	2	
3	Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	1000	5	
4	Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	75	5	
5	Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	60	5	
6	Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	90	5	
7	Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	60	5	
8	Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	500	5	
	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-	

	Material		Limit	RL	
	Compound	14	15	(mg/kg)	(mg/kg)
1	Antimony (Sb)	N.D.	N.D.	60	5







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2	Arsenic (As)	N.D.	N.D.	25	2
3	Barium (Ba)	N.D.	N.D.	1000	5
4	Cadmium (Cd)	N.D.	N.D.	75	5
5	Chromium (Cr)	N.D.	N.D.	60	5
6	Lead (Pb)	N.D.	N.D.	90	5
7	Mercury (Hg)	N.D.	N.D.	60	5
8	Selenium (Se)	N.D.	N.D.	500	5
	Conclusion	PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram (b) RL: Report limit

(c) N.D.: Not detected (result is less than RL)

10.1 Heavy Elements-- Clause 4.3.5.1 Paint and Similar Surface-coating Materials(Total Lead content) CPSC-CH-E1003-09.1 (Surface Coating), determined by AAS

				Material			Limit	RL
	Compound	3	4	5	6	7	(mg/kg)	(mg/kg)
1	Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	90	10
	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

	0		Limit	RL			
•	Compound	8	9	10	(mg/kg)	(mg/kg)	
1	Lead (Pb)	N.D.	N.D.	N.D.	90	10	
	Conclusion	PASS	PASS	PASS	-	-	

Remark(s): (a) mg/kg: milligram per kilogram (b) N.D.: Not detected (result is less than RL)

(c) RL: Report limit







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10.2 Heavy Elements-- Clause 4.3.5.2 Toy Substrate Materials(Total Lead content) CPSC-CH-E1002-08.3 (Non-metal Substrate), determined by AAS

				Mat	erial			Limit	RL
Compound		1	11	12	13	14	15	(mg/kg)	(mg/kg)
1	Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100	10
	Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram

(b) N.D.: Not detected (result is less than RL)

(c) RL: Report limit

11. Lead Content (Pb) - CPSIA H.R. 4040 Sec. 101

CPSC-CH-E1002-08.3 (Non-metal Substrate), CPSC-CH-E1003-09.1 (Surface Coating), determined by AAS

	`amnaumd	Material						RL
Compound		3	4	5	6	7	(mg/kg)	(mg/kg)
1	Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	90	10
	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

	Material		Limit	RL			
Compound		8	9	10	(mg/kg)	(mg/kg)	
1	Lead (Pb)	N.D.	N.D.	N.D.	90	10	
	Conclusion	PASS	PASS	PASS	-	-	

/										
	Compound			Mat	erial			Limit	RL	
Compound		1	11	12	13	14	15	(mg/kg)	(mg/kg)	
1	Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	100	10	
	Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	-	-	

Remark(s): (a) mg/kg: milligram per kilogram

(b) RL: Report limit

(c) N.D.: Not detected (result is less than RL)







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12. Phthalates (DIBP, DBP, DPENP, DHEXP, BBP, DEHP, DCHP, DINP) - CPSIA H.R. 4040 Sec. 108 CPSC-CH-C1001-09.4, Solvent extract and determined by GC/MS

	0				Material			L : :4 (0/)	DI (0()
	Comp	oound	1	3	4	5	6	Limit (%)	RL (%)
1	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DPENP	Di-n-pentyl phthalate CAS# 131-18-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DHEXP	Di-n-hexyl phthalate CAS# 84-75-3	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	BBP	Benzylbutylphthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
6	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
7	DCHP	Dicycphexyl Phthalate CAS# 84-61-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
8	DINP	Diisononylphthalate CAS# 28553-12-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-

	Compound				Material			Limit (%)	DI (9/)
	Com	pouna	7	8	9	10	11	- Limit (%)	RL (%)
1	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DPENP	Di-n-pentyl phthalate CAS# 131-18-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DHEXP	Di-n-hexyl phthalate CAS# 84-75-3	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	BBP	Benzylbutylphthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
6	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
7	DCHP	Dicycphexyl Phthalate CAS# 84-61-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
8	DINP	Diisononylphthalate CAS# 28553-12-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-







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	C =			Ma	terial		Limit (0/)	DI (0/)				
	Comp	oound	12	13	14	15	Limit (%)	RL (%)				
1	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	0.1	0.005				
2	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	0.1	0.005				
3	DPENP	Di-n-pentyl phthalate CAS# 131-18-0	N.D.	N.D.	N.D.	N.D.	0.1	0.005				
4	DHEXP	Di-n-hexyl phthalate CAS# 84-75-3	N.D.	N.D.	N.D.	N.D.	0.1	0.005				
5	ВВР	Benzylbutylphthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005				
6	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005				
7	DCHP	Dicycphexyl Phthalate CAS# 84-61-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005				
8	DINP	Diisononylphthalate CAS# 28553-12-0	N.D.	N.D.	0.023	N.D.	0.1	0.005				
	Conclusion		PASS	PASS	PASS	PASS	-	-				

Remark(s): (a) RL: Report limit (b) N.D.: Not detected (result is less than RL)

13. Mechanical and Physical Properties – SOR/2011-17

PASS

Clause	Parameter	Results		
3	Official languages	NR		
4	Flexible film bags	NA		
7	Small parts	NA		
8	Metal edges	NA		
9	Wire frames	NA		
10	Plastic edges	Pass		
11	Wood	Pass		
12	Glass	NA		
13	Fasteners	NA		
14	Safety stops or locking devices	NA		

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15	Spring-wound driving mechanisms	NA
16	Projectile components	NA
17	Enclosures	NA
18	Stability	NA
19	Decibel limit	NA
28	Dolls, plush toys and soft toys – Fastenings	NA
29	Dolls, plush toys and soft toys – Stuffing	NA
30	Dolls, plush toys and soft toys – Small parts	NA
31	Dolls, plush toys and soft toys – Eyes and noses	NA
35	Plant seeds – Noise	NA
36	Plant seeds – stuffing material	NA
37	Pull and push toys	NA
38	Toys steam engines*	NA
39	Finger paints	NA
40	Rattles	NA
41	Elastics	NA
42	Yo-yo type balls	NA NA
43	Magnetic toys	NA

Remark(s): (a) NA = Not Applicable

(b) NR = Not requested by the client
(c) *= The item/clause is not included in CNAS Accreditation scope.

14. Flammability - SOR/2011-17

PASS

Clause	Parameter	Results
21	Celluloid or cellulose nitrate	Pass
32	Dolls, plush toys and soft toys – Flammability of outer covering	NA







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33	Dolls, plush toys and soft toys – Flammability of yarn	NA	
34	Dolls, plush toys and soft toys – Flammability of hair or mane	NA	

15. Lead Content (Pb) and Mercury Content (Hg)

Canada Product Safety Laboratory Book 5 - Laboratory Policies and Procedures Part B, Test Methods Section, Method C02.2:2022&Method C-07:2023

	`amnaund			Material			Limit	RL
Compound		3	4	5	6	7	(mg/kg)	(mg/kg)
1	Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	90	10
2	Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	10	5
	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-

			Limit	RL		
Compound		8	9	10	(mg/kg)	(mg/kg)
1	Lead (Pb)	N.D.	N.D.	N.D.	90	10
2	Mercury (Hg)	N.D.	N.D.	N.D.	10	5
	Conclusion	PASS	PASS	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram = part per million = ppm

(b) RL: Report limit

(c) N.D.: Not detected (result is less than RL)

(d) This item is not included in CNAS Accreditation scope.

16. Soluble Migrated Elements- SOR/ 2011-17

Canada Product safety reference manual Book 5- Laboratory policies and procedures Part B: Test Methods Section, Method C-03: 2022, determined by ICP-OES

	Compound			Material			Limit	RL
•	Compound	3	4	5	6	7	(mg/kg)	(mg/kg)
1	Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	1000	5
2	Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	1000	2
3	Barium (Ba)	N.D.	12	N.D.	N.D.	N.D.	1000	5







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	Conclusion	PASS	PASS	PASS	PASS	PASS	-	-
5	Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	1000	5
4	Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	1000	5

	Compound		Material		Limit	RL	
	Compound	8	9	10	(mg/kg)	(mg/kg)	
1	Antimony (Sb)	N.D.	N.D.	N.D.	1000	5	
2	Arsenic (As)	N.D.	N.D.	N.D.	1000	2	
3	Barium (Ba)	N.D.	N.D.	N.D.	1000	5	
4	Cadmium (Cd)	N.D.	N.D.	N.D.	1000	5	
5	Selenium (Se)	N.D.	N.D.	N.D.	1000	5	
	Conclusion	PASS	PASS	PASS	-	-	

Remark(s): (a) mg/kg: milligram per kilogram = part per million = ppm

(b) RL: Report limit
(c) N.D.: Not detected (result is less than RL)

(d) This item is not included in CNAS Accreditation scope.

17. Phthalates - (DBP, BBP, DEHP, DNOP, DINP, DIDP)

Canada health - Product Safety Reference Manual, Book 5 - Laboratory Policies and Procedures Part B: Test Methods Section. Method C-34:2018, Solvent extract and determined by GC/MS, solvent extract and determined by GC/MS

	Compound				Material			Limit (%)	RL (%)
	Com	ipouna	1	3	4	5	6	Limit (%)	KL (/0)
1	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	BBP	Benzylbutylphthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DNOP	Di-n-octylphthalate CAS# 117-84-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	DINP	Diisononylphthalate CAS# 28553-12-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
6	DIDP	Diisodecylphthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-







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	0				Material			Limit (%)	DI (0/)
	Compound		7	8	9	10	11	Limit (%)	RL (%)
1	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	BBP	Benzylbutylphthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DNOP	Di-n-octylphthalate CAS# 117-84-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	DINP	Diisononylphthalate CAS# 28553-12-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
6	DIDP	Diisodecylphthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-

	0			Mat	erial		1.114 (0/)	DI (%)
	Com	pound	12	13	14	15	Limit (%)	RL (%)
1	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	ВВР	Benzylbutylphthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DNOP	Di-n-octylphthalate CAS# 117-84-0	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	DINP	Diisononylphthalate CAS# 28553-12-0	N.D.	N.D.	0.023	N.D.	0.1	0.005
6	DIDP	Diisodecylphthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	0.1	0.005
	Conclusion		PASS	PASS	PASS	PASS	-	-

Remark(s): (a) RL: Report limit

(b) N.D.: Not detected (result is less than RL)

(c) This item is not included in CNAS Accreditation scope.

18. Mechanical and Physical Properties - Australian/New Zealand Standard on Safety of Toys AS/NZS ISO 8124.1:2023

Section	Testing Items	Assessment
4	Requirements	
4.1	Normal use	Pass







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Section	Testing Items	Assessment
4.2	Reasonably foreseeable abuse	Pass
4.3	Material	Pass
4.4	Small parts	NA
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	NA
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
4.25	Liquid-filled toys	NA
4.26	Mouth-actuated toys	NA







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Section	Testing Items	Assessment
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
4.36	Assembly	NA
В	Safety-labeling guidelines and manufacturer's markings	
B.1	General	Pass
B.2	Safety-labeling guidelines	Pass
B.3	Instructional literature	NA
B.4	Manufacturer's markings	Pass

Remark(s): (a) NA = Not Applicable (b) This item is not included in CNAS accreditation scope.

19. Flammability Properties - Australian/New Zealand Standard on Safety of Toys AS/NZS ISO 8124.2:2023

Section	Testing Items	Assessment						
4.1	General requirement	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 a 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	NA						

Remark(s): (a) NA = Not Applicable

(b) This item is not included in CNAS accreditation scope.







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20. Soluble elements Content- Australian/New Zealand Standard on Safety of Toys AS/NZS ISO 8124.3:2021+A1: 2023,determined by ICP-OES

	O a mana a mand				Material				Limit	RL
	Compound	1	2	3	4	5	6	7	(mg/kg)	(mg/kg)
1	Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60	5
2	Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25	2
3	Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	5
4	Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75	5
5	Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60	5
6	Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90	5
7	Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60	5
8	Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500	5
	Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	-	-

	O				Material				Limit	RL (mg/kg)
	Compound	8	9	10	11	12	13	14	(mg/kg)	
1	Antimony (Sb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60	5
2	Arsenic (As)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	25	2
3	Barium (Ba)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	1000	5
4	Cadmium (Cd)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	75	5
5	Chromium (Cr)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60	5
6	Lead (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	90	5
7	Mercury (Hg)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	60	5
8	Selenium (Se)	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	N.D.	500	5
	Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	-	-







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	O	Material	Limit (mg/kg)	RL (mg/kg)
	Compound	15		
1	Antimony (Sb)	N.D.	60	5
2	Arsenic (As)	N.D.	25	2
3	Barium (Ba)	N.D.	1000	5
4	Cadmium (Cd)	N.D.	75	5
5	Chromium (Cr)	N.D.	60	5
6	Lead (Pb)	N.D.	90	5
7	Mercury (Hg)	N.D.	60	5
8	Selenium (Se)	N.D.	500	5
	Conclusion	PASS	-	-

Remark(s): (a) mg/kg: milligram per kilogram = part per million = ppm (b) RL: Report limit

(c) N.D.: Not detected (result is less than RL)

(d)This item is not included in CNAS accreditation scope

21. Phthalates content- As Client's Requirement Refer To CPSC-CH-C1001-09.4, determined by GC-MS

	0.0	d			Material			Client's	RL (%)
	Co	mpound	1	3	4	5	6	Limit (%)	
1	DBP	Dibutyl phthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	DEHP	Di(2-ethylhexyl) phthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	BBP	Benzyl butyl phthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DINP	Di-isononyl phthalate CAS# 68515-48-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	DNOP	Di-n-octyl phthalate CAS# 117-84-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
6	DIDP	Di-isodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
7	DPP	Dipentyl phthalate CAS# 131-18-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
8	DIBP	Di-iso-butyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005







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	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-
17	DNHP	Di-n-hexyl phthalate CAS# 84-75-3	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
16	DHP	Di-n-hexyl phthalate CAS# 84-75-3	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
15	-	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear CAS# 84777-06-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
14	PIPP	N-pentyl-isopentylphthalate O-CAS# 776297-69-9	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
13	DIPP	Di-isopentyl phthalate CAS# 605-50-5	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
12	DMEP	Dimethoxyethyl phthalate CAS# 117-82-8	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
11	DHNUP	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters CAS# 68515-42-4	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
10	DIHP	1,2-Benzenedicarboxylic acid, di-C6-8-branchedalkyl esters,C7-rich CAS# 71888-89-6	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
9	Dnpp	Phthalic acid, bis-n-pentyl ester CAS# 131-18-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005

1	/								
	0-	d			Material			Client's	DI (0/)
	Co	mpound	7	8	9	10	11	Limit (%)	RL (%)
1	DBP	Dibutyl phthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	DEHP	Di(2-ethylhexyl) phthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	BBP	Benzyl butyl phthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DINP	Di-isononyl phthalate CAS# 68515-48-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	DNOP	Di-n-octyl phthalate CAS# 117-84-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
6	DIDP	Di-isodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
7	DPP	Dipentyl phthalate CAS# 131-18-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
8	DIBP	Di-iso-butyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
9	Dnpp	Phthalic acid, bis-n-pentyl ester CAS# 131-18-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
10	DIHP	1,2-Benzenedicarboxylic acid, di-C6-8-branchedalkyl esters,C7-rich CAS# 71888-89-6	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
11	DHNUP	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005







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	Conclusion	on	PASS	PASS	PASS	PASS	PASS	-	-
17	DNHP	Di-n-hexyl phthalate CAS# 84-75-3	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
16	DHP	Di-n-hexyl phthalate CAS# 84-75-3	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
15		1,2-Benzenedicarboxylic acid, dipentylester, branched and linear CAS# 84777-06-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
14	PIPP	P-pentyl-isopentylphthalate Q-CAS# 776297-69-9	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
13	DIPP	Di-isopentyl phthalate CAS# 605-50-5	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
12	DMEP	Dimethoxyethyl phthalate CAS# 117-82-8	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
		CAS# 68515-42-4		1					

	0			Mat	erial		Client's	RL (%)
	Co	mpound	12	13	14	15	Limit (%)	RL (%)
1	DBP	Dibutyl phthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	DEHP	Di(2-ethylhexyl) phthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	BBP	Benzyl butyl phthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DINP	Di-isononyl phthalate CAS# 68515-48-0	N.D.	N.D.	0.023	N.D.	0.1	0.005
5	DNOP	Di-n-octyl phthalate CAS# 117-84-0	N.D.	N.D.	N.D.	N.D.	0.1	0.005
6	DIDP	Di-isodecyl phthalate CAS# 26761-40-0	N.D.	N.D.	N.D.	N.D.	0.1	0.005
7	DPP	Dipentyl phthalate CAS# 131-18-0	N.D.	N.D.	N.D.	N.D.	0.1	0.005
8	DIBP	Di-iso-butyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	0.1	0.005
9	Dnpp	Phthalic acid, bis-n-pentyl ester CAS# 131-18-0	N.D.	N.D.	N.D.	N.D.	0.1	0.005
10	DIHP	1,2-Benzenedicarboxylic acid, di-C6-8-branchedalkyl esters,C7-rich CAS# 71888-89-6	N.D.	N.D.	N.D.	N.D.	0.1	0.005
11	DHNUP	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters CAS# 68515-42-4	N.D.	N.D.	N.D.	N.D.	0.1	0.005
12	DMEP	Dimethoxyethyl phthalate CAS# 117-82-8	N.D.	N.D.	N.D.	N.D.	0.1	0.005
13	DIPP	Di-isopentyl phthalate CAS# 605-50-5	N.D.	N.D.	N.D.	N.D.	0.1	0.005







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	Conclusion		PASS	PASS	PASS	PASS	-	-
17	DNHP Di-n-hexyl phthalate CAS# 84-75-3		N.D.	N.D.	N.D.	N.D.	0.1	0.005
16	DHP	Di-n-hexyl phthalate CAS# 84-75-3	N.D.	N.D.	N.D.	N.D.	0.1	0.005
15	-	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear CAS# 84777-06-0	N.D.	N.D.	N.D.	N.D.	0.1	0.005
14	PIPP	R-pentyl-isopentylphthalate S-CAS# 776297-69-9	N.D.	N.D.	N.D.	N.D.	0.1	0.005

Remark(s): (a) RL: Report limit (b) N.D.: Not detected (result is less than RL) (c) Only DBP/DIBP/DPP/DNHP/DEHP/BBP/DINP are included in CNAS accreditation scope.

22. Phthalates - (DIBP, DBP, DPENP, DHEXP, BBP, DEHP, DCHP, DINP)-ASTM F963-23 CPSC-CH-C1001-09.4, Solvent extract and determined by GC/MS

	Cam-				Limit (%)	DI (0/)			
	Compound		1	3	4	5	6	Limit (%)	RL (%)
1	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DPENP	Di-n-pentyl phthalate CAS# 131-18-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DHEXP	Di-n-hexyl phthalate CAS# 84-75-3	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	BBP	Benzylbutylphthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
6	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
7	DCHP	Dicycphexyl Phthalate CAS# 84-61-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
8	DINP	Diisononylphthalate CAS# 28553-12-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
	Conclusion		PASS	PASS	PASS	PASS	PASS	-	-

Compound				Limit (%)	RL (%)				
		7	8	9	10	11	LIIIII (%)	NL (70)	
1	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005







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8	DINP	Diisononylphthalate CAS# 28553-12-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
_		1							
7	DCHP	Dicycphexyl Phthalate CAS# 84-61-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
6	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	BBP	Benzylbutylphthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DHEXP	Di-n-hexyl phthalate CAS# 84-75-3	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DPENP	Di-n-pentyl phthalate CAS# 131-18-0	N.D.	N.D.	N.D.	N.D.	N.D.	0.1	0.005

	Come	a a und		Limit (%)	RL (%)			
	Compound		12	13	14	15	Liffiit (%)	KL (%)
1	DIBP	Diisobutyl phthalate CAS# 84-69-5	N.D.	N.D.	N.D.	N.D.	0.1	0.005
2	DBP	Dibutylphthalate CAS# 84-74-2	N.D.	N.D.	N.D.	N.D.	0.1	0.005
3	DPENP	Di-n-pentyl phthalate CAS# 131-18-0	N.D.	N.D.	N.D.	N.D.	0.1	0.005
4	DHEXP	Di-n-hexyl phthalate CAS# 84-75-3	N.D.	N.D.	N.D.	N.D.	0.1	0.005
5	BBP	Benzylbutylphthalate CAS# 85-68-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
6	DEHP	Diethylhexylphthalate CAS# 117-81-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
7	DCHP	Dicycphexyl Phthalate CAS# 84-61-7	N.D.	N.D.	N.D.	N.D.	0.1	0.005
8	DINP	Diisononylphthalate CAS# 28553-12-0	N.D.	N.D.	0.023	N.D.	0.1	0.005
	Conclusi	ion	PASS	PASS	PASS	PASS	-	-

Remark(s): (a) RL: Report limit (b) N.D.: Not detected (result is less than RL)







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23. Tracking labels for children 's products CPSIA H.R. 4040 Sec. 103

Test Item	Standard/Clause	Criteria	Judgement
Tracking labels for children 's products	CPSIA H.R. 4040 Sec. 103	A permanent and distinguishing mark or code on the product and its packaging, to the extent practicable, allows the manufacturer and purchaser to ascertain the name of the manufacturer or private labeler, location and date of production of the product. Verified the Presence only. The accuracy of tracking labeler on the tracking label will not be verified.	PASS

Remark(s): (a) This item is not included in CNAS accreditation scope.

24. Lead-Containing Paint-16 CFR 1303

CPSC-CH-E1003-09.1 (Surface Coating), determined by AAS

Compound			Limit	RL				
		3	4	5	6	7	(mg/kg)	(mg/kg)
1 Lea	d (Pb)	N.D.	N.D.	N.D.	N.D.	N.D.	90	10
Cor	nclusion	PASS	PASS	PASS	PASS	PASS	-	-

	Compound		Limit	RL		
•	Compound	8	9	10	(mg/kg)	(mg/kg)
1	Lead (Pb)	N.D.	N.D.	N.D.	90	10
	Conclusion	PASS	PASS	PASS	-	-

Remark(s): (a) RL: Report limit

(b) N.D.: Not detected (result is less than RL)

(c) mg/kg: milligram per kilogram

Material List:

Material #	Sample Description / Position
1	Brown plywood, board*a
2	Brown wood,blocks*b







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3	Transparent paint,board*c
4	Multicolor coating ,board
5	Black paint,board*d
6	Yellow paint,blocks*e
7	Orange paint,blocks*f
8	Red paint,blocks*g
9	Light green paint,blocks*h
10	Cyan paint,blocks*i
11	Transparent yellow plastic,plate
12	Transparent plastic with silvery coating,plate
13	Transparent plastic,plate
14	Transparent green plastic,plate
15	Transparent blue plastic,plate

Remark:

(a)*a=the test data was copies fromSTSGZ2406123051-1. (b)*b=the test data was copies from STSGZ2406123051-6. (c)*c=the test data was copies from STSGZ2404023034-2.

(d)*d=the test data was copies from STSGZ2404023034-15. (e)*e=the test data was copies from STSGZ2404023034-4. (f)*f=the test data was copies from STSGZ2404023034-9.

(g)*g=the test data was copies from STSGZ2404023034-6. (h)*h=the test data was copies from STSGZ2404023034-14

(i)*i=the test data was copies from STSGZ2404023034-1.







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Photo(s):









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<<< <<< END OF REPORT >>> >>>



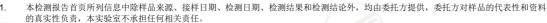






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The information as listed on the first page of this test report was all provided by the client except the sample from, date received, test period, test results and test conclusion. The client shall be responsible for the representativeness of sample and authenticity of materials, for which STS shall bear no responsibilities.

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6. 其它声明请查阅报告页脚及书面报告背页。

For other statements, please refer to the footer of the report.

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Guangzhou Depuhua Test Services Co. Ltd.

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签发测试报告条款

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