

Number:

Date:

HKGH02738459

Jun 16, 2021

Applicant: PARKLON YANGJU BRANCH CO LTD

28 HWAHAP RO- 788 BEON-GIL

EUNHYEON-MYEON GYEONGGI DO 11426

REPUBLIC OF KOREA

Attn: WENDY NOH

Submitted sample said to be

Item Name Country of Origin

Quantity Labelled Age Group **PVC MAT.**

Republic of Korea.

4 Pieces. Not specified

Yes.

Packaging Provided

For and on behalf of:

Intertek Testing Services HK Ltd.

Cindy I.K. Chan Vice President







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Conclusion:

The submitted sample was tested under the following requirements requested by the applicant, subject to the information stated in the remark and attached page(s) for details:

Requirement Result (1) EN 71-1:2014 + A1:2018 **Pass** - Mechanical and physical properties (2) EN 71-2:2011 + A1:2014 **Pass** - Flammability Test (3) EN 71-2:2020 Pass - Flammability Test (4) EN 71-3:2019 and Directive (EU) 2019/1922 amending 2009/48/EC effective from 20 May **Pass** - Migration of certain elements (5) EN 71-3: 2019 + A1: 2021 **Pass** - Migration of certain elements (6) Directive (EU) 2019/1922 amending 2009/48/EC effective from 20 May 2021 **Pass** - Soluble Aluminium (Al) Content (7) EU Commission Directive 2014/79/EU amending Appendix C of Annex II to Directive **Pass** 2009/48/EC on the safety of toys - TCEP, TCPP and TDCP content





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Requirement Result (8) EU Commission Directive 2017/898 amending Appendix C of Annex II to Directive **Pass** 2009/48/EC on the safety of toys - Bisphenol A migration content (9) EU Commision Directive 2017/774 amending Appendix C of Annex II to Directive **Pass** 2009/48/EC on the safety of toys - Phenol migration content (10) REACH Regulation (EC) No.1907/2006, Annex XVII Item 23 & amendment No. 2016/217 **Pass** - Cadmium content requirement (11) REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 Annex XVII Pass Item 50 - Polycyclic aromatic hydrocarbons content (12) REACH Regulation (EC) no. 1907/2006, Annex XVII Items 51 & 52, amendment no. Pass 552/2009 & 2018/2005 - Phthalates content (13) Regulation (EC) No. 2019/1021 on persistent organic pollutants (POPs) Pass - Short Chain Chlorinated Paraffin (C10 - C13) (SCCP) content (14) REACH Regulation (EC) No. 1907/2006, Annex XVII item 20 & amendment (EU) No. **Pass** 276/2010 - Organotin content requirement







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Requirement Result

(15) EU Commission Directive 2019/1929 amending Appendix C of Annex II to Directive 2009/48/EC on the safety of toys

Pass

- Formaldehyde migration content in polymeric toy material with effect from 21 May 2021

(16) Australian/New Zealand Standard AS/NZS 8124.2: 2016

Pass

- Flammability test

(17) AS/NZS ISO 8124-3:2003

Pass

(Australian Trade Practice Act 1974 with Consumer Protection Notice no. 1, 2009 -Consumer Product Safety Standard for Lead and certain elements in children's toys.)

- Toxic elements test ∞

AS/NZS ISO 8124-3:2021 -Toxic elements test ∞

Pass

- (18) Consumer Product Safety Standard: Toys for children up to and including 36 months of age Pass (in force under section 65E(1) of the Trade Practices Act 1974) as commenced by Consumer Protection Notice No. 14 of 2003 and as amended by Consumer Protection No. 1 of 2005.
- (19) Australian / New Zealand standard AS/NZS ISO 8124-1:2019 + Amd 1:2020 + Amd 2:2020 Pass - Safety aspects related to mechanical and physical properties
- (20) Australian Competition and Consumer Act 2010 with Consumer Protection Notice No. 11, **Pass** 2011
 - Permanent ban on children's products with Diethylhexyl Phthalate (DEHP)

Decision Rule(s):
When a statement of conformity to a specification or standard is provided on test report, the decision rule shall be applied. For details, please refer to Intertek's "Decision Rule Document" and is available on Intertek's website. https://intertekhk.grd.by/decision-rule-doc

If decision rule already inhered in the requested specification or standard, Intertek's "Decision Rule Document" is not applicable and indication of "..." was shown as above table.



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(1) Mechanical and Physical Test

> **Test Standard** : European Standard on Safety of toys EN 71-1:2014 + A1:2018

: For All Ages Age group for testing

The submitted samples were undergone the following abuse tests: Clause 8.3 Testing Items
Torque test (0.34 Nm) Tension test (90 N) 8.4.2.1 8.6 8.7 8.8 Tip over test (Three times) Impact test (1 kg) Compression test (110 N)

Clause	Requirement	Assessment
4	General requirements	
4.1	Material cleanliness	Р
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	Р
4.8	Points and Metallic wires	Р
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 into mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	NA
4.16	Heavy immobile toys	NA
4.17	Projectiles	NA
4.18	Aquatic toys and inflatable toys	NA
4.19	Percussion caps specifically designed for use in toys and toys using percussion caps	NA
4.20	Acoustics	NA
4.21	Toys containing 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



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Clause	Requirement	Assessment
5	Toys intended for children under 36 months	
5.1	General requirements for toys intended for children under 36 months	Р
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 fibres	NA
5.10	Small balls	NA
5.11	Play figures	NA
5.12	Hemispheric-shaped toys	NA
5.13	Suction cups	NA
5.14	Straps intended to be worn fully or partially around the neck	NA NA
5.15	Sledges with cords for pulling (7.24)	NA
6	Packaging	NA
7	Warnings, markings and instructions for use	101
7.1	General	Р
7.2	Toys not intended for children under 36 months	NA
7.3	Latex balloons	NA NA
7.4	Aquatic toys	NA NA
7.5	Functional toys	NA NA
7.6	Hazardous sharp functional edges and points	NA NA
7.7	Projectile Toys	NA NA
7.8	Imitation protective masks and helmets	NA NA
7.9	Toy kites	NA NA
7.10	Roller skates, inline skates, skateboards and certain other ride-on toys	NA NA
7.11	Toys intended to be attached to or strung across a cradle, cot, or	NA
7.40	perambulator	N I A
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 NA
7.16	Toys intended to bear the mass of a child	NA NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy scooters	NA
7.19	Rocking horses and similar toys	NA 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

Abbreviation: P = Pass NA = Not Applicable









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Below are additional information according to the Toy Safety Directive 2009/48/EC requirement. These information also appears as a note within the EN71 but are not standard requirements and not accredited:

<u>Marking</u>

The manufacturer's and importer's name, registered trade name or registered trade mark, the address and type, batch, serial or model number or other element allowing their identification shall be indicated on the product itself. In addition, toys or packagings shall also bear the CE-marking. After checking, it was found that

	Toy	Packaging
Manufacturer's name	Absent	Present
Manufacturer's address	Absent	Present
Importer's name	Absent	Absent
Importer's address	Absent	Absent
Product identification code	Absent	Present
CE-marking	Absent	Absent

The submitted samples were undergone the abuse tests for Clause 5.1 in according to 8.3 (Torque test), 8.4 (Tension test), 8.5 (Drop test), 8.7 (Impact test), 8.8 (Compression test) and specific tests for different types of toys whichever applicable.

Cleaning instruction

A toy intended for use by children under 36 months must be designed and manufactured in such a way that it can be cleaned. The toy shall fulfill the safety requirements also after having been cleaned in accordance with this point and the manufacturer's instructions. The manufacturer should, if applicable, provided instructions on how the toy has to be cleaned.

After checking, the cleaning instruction was not found on the submitted samples.

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(2) Flammability Test

Test Standard : European Standard on Safety of Toys EN 71-2:2011 + A1:2014

Clause	Requirement	Assessment
4.1	General	Р
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

Abbreviation: P = Pass NA = Not Applicable

Date sample received: Jun 04, 2021 Test Period: Jun 04, 2021 to Jun 11, 2021

(3) Flammability Test

Test Standard : European Standard on Safety of Toys EN 71-2:2020

<u>Clause</u>	Requirement Property of the Re	<u>Assessment</u>
4.1	General requirements	Р
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

Abbreviation: P = Pass NA = Not Applicable

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(4) 19 Toxic Element Migration Test

Test Method : EN 71-3:2019. Acid extraction method was used and toxic elements content were

> determined by Inductively Coupled Argon Plasma Spectrometry and Ion Chromatography- Inductively Coupled Plasma-Mass Spectrometry and/or Gas

Chromatographic - Mass Spectrometry

Category (III): Scraped-off toy material:

	Result (mg/kg)	Limit
	(1)	(mg/kg)
Soluble Aluminium (AI)	<300	70000 /
		28130^
Soluble Antimony (Sb)	<10	560
Soluble Arsenic (As)	<10	47
Soluble Barium (Ba)	<10	18750
Soluble Boron (B)	<50	15000
Soluble Cadmium (Cd)	<5	17
Soluble Chromium (III) (Cr III)	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	0.053
Soluble Cobalt (Co)	<10	130
Soluble Copper (Cu)	<10	7700
Soluble Lead (Pb)	<10	23
Soluble Manganese (Mn)	<10	15000
Soluble Mercury (Hg)	<10	94
Soluble Nickel (Ni)	<10	930
Soluble Selenium (Se)	<10	460
Soluble Strontium (Sr)	<100	56000
Soluble Tin (Sn)	<10	180000
Soluble Organic tin ++	<2.0	12
Soluble Zinc (Zn)	<100	46000

mg/kg = milligram per kilogram

Unless the test result was marked with "\(\Delta \)", Organic tin content was not directly determined and was derived from migration result of total tin.



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Organic tin test result was expressed as tributyl tin.

Chromium (III) value was calculated as difference between migration results of total Chromium and Chromium (VÍ).

The new aluminium migration limit [2250mg/kg for Category (I), 560mg/kg for category (II) and 28130mg/kg for Category (III)] was quoted from directive (EU) 2019/1922 amending 2009/48/EC effective from 20 May 2021.

Tested Component:

White plastic sheet with inaccessible printing and foam backing (mat). (1)

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19 Toxic Element Migration Test (5)

Test Method : EN 71-3 : 2019 + A1 : 2021. Acid extraction method was used and toxic elements

content were determined by Inductively Coupled Argon Plasma Spectrometry and Ion

Chromatography- Inductively Coupled Plasma-Mass Spectrometry and/or Gas

Chromatographic - Mass Spectrometry

Category (III): Scraped-off toy material:

	Result (mg/kg)	Limit
	(1)	(mg/kg)
Soluble Aluminium (AI)	<300	28130
Soluble Antimony (Sb)	<10	560
Soluble Arsenic (As)	<10	47
Soluble Barium (Ba)	<10	18750
Soluble Boron (B)	<50	15000
Soluble Cadmium (Cd)	<5	17
Soluble Chromium (III) (Cr III)	<10	460
Soluble Chromium (VI) (Cr VI)	<0.025	0.053
Soluble Cobalt (Co)	<10	130
Soluble Copper (Cu)	<10	7700
Soluble Lead (Pb)	<10	23
Soluble Manganese (Mn)	<10	15000
Soluble Mercury (Hg)	<10	94
Soluble Nickel (Ni)	<10	930
Soluble Selenium (Se)	<10	460
Soluble Strontium (Sr)	<100	56000
Soluble Tin (Sn)	<10	180000
Soluble Organic tin ++	<2.0	12
Soluble Zinc (Zn)	<100	46000

mg/kg = milligram per kilogram

Unless the test result was marked with "\(\Delta \)", Organic tin content was not directly determined and was derived from migration result of total tin.







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Organic tin test result was expressed as tributyl tin.

Chromium (III) value was calculated as difference between migration results of total Chromium and Chromium (VI).

Tested Component:

White plastic sheet with inaccessible printing and foam backing (mat). (1)

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(6) Soluble Aluminium Content

Test Method : Acid extraction method was used and toxic elements content were determined by

Inductively Coupled Argon Plasma Spectrometry.

Category (III): Scraped-off toy material:

	Result (mg/kg)	Limit
	(1)	(mg/kg)
Soluble Aluminium (AI)	<300	28130

mg/kg = milligram per kilogram

Tested Component:

White plastic sheet with inaccessible printing and foam backing (mat).

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(7) Flame retardants (TCEP, TCPP, TDCP) Content

Test Method : By solvent extraction and determined by Gas Chromatographic-Mass Spectrometry

(GC-MS).

Compound	Result (mg/kg)	Limit
	(1)	(mg/kg)
Tris(2-chloroethyl) phosphate (TCEP)	<1	5
Tris(1-chloro-2-propyl) phosphate (TCPP)	<1	5
Tris(2-chloro-1-(chloromethyl)ethyl) phosphate (TDCP)	<1	5

The above limit was quoted according to EU Commission Directive 2014/79/EU amending Appendix C of Annex II to Directive 2009/48/EC of the European Parliament and of the Council on the safety of toys, as regards TCEP, TCPP and TDCP

mg/kg = milligram per kilogram

Tested Component:

(1) White plastic sheet with inaccessible printing and foam backing (mat).

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(8) Bisphenol A (BPA) Migration Content

Test Standard : EN71 Part 10 and 11 : 2005.

Tested Component	Result in mg/l	Limit in mg/l
(1)	<0.01	0.04

The above limit was quoted according to EU Commission Directive 2017/898 amending Appendix C of Annex II to Directive 2009/48/EC of the European Parliament and of the Council on the safety of toys, as regards Bisphenol A with effective date on 26 November 2018.

mg/l = milligram per litre

Tested Component:

(1) White plastic sheet with inaccessible printing and foam backing (mat).

Date sample received : Jun 04, 2021 Test Period : Jun 04, 2021 to Jun 16, 2021

(9) Phenol Migration Content

Test Standard : EN71 Part 10 and 11 : 2005.

Tested Component	Result in mg/l	Limit in mg/l
(1)	<1	5

The above limit was quoted according to EU Commision Directive 2017/774 amending Appendix C of Annex II to Directive 2009/48/EC of the European Parliament and of the Council on the safety of toys, as regards Phenol with effective date on 4 November 2018.

mg/l = milligram per litre

Tested Component:

(1) White plastic sheet with inaccessible printing and foam backing (mat).

Date sample received : Jun 04, 2021 Test Period : Jun 04, 2021 to Jun 16, 2021







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(10) Cadmium (Cd) Content

Test Method : Acid digestion method was used and total Cadmium content was determined by

Inductively Coupled Argon Plasma Spectrometry.

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	ND	0.01

ND : Not detected (< 0.0005%)

The above limit was quoted according to REACH Regulation (EC) No. 1907/2006, Annex XVII Item 23 & amendment No. 2016/217.

Tested Component:

(1) White plastic sheet with inaccessible printing and foam backing (mat).

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(11) Polycyclic Aromatic Hydrocarbons (PAH) Content

Test Method : The document AfPS GS 2019:01 PAK issued by the Federal Institute for Occupational

Safety and Health, solvent extraction and determined by Gas Chromatographic - Mass

Spectrometry (GC/MS).

Compound	Result (ppm)	Limit
	(1)	(ppm)
Benzo(a)pyrene	<0.20	0.5
Benzo(e)pyrene	<0.20	0.5
Benzo(a)anthracene	<0.20	0.5
Chrysene	<0.20	0.5
Benzo(b)fluoranthene	<0.20	0.5
Benzo(j)fluoranthene	<0.20	0.5
Benzo(k)fluoranthene	<0.20	0.5
Dibenzo(a,h)anthracene	<0.20	0.5

The above limit was quoted according to Annex XVII Items 50 of the REACH Regulation (EC) no. 1907/2006 & amendment (EU) no. 1272/2013 for polycyclic aromatic hydrocarbons (PAH).

ppm = parts per million = mg/kg

Tested Component:

White plastic sheet with inaccessible printing and foam backing (mat). (1)

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(12) Phthalate Content Test

Test Method : ISO 8124-6 : 2018 method A with internal standard calibration, by Gas

Chromatographic-Mass Spectrometric (GC-MS) analysis.

Seven Phthalates content:

Compound	Result (%, w/w)	Limit (%,
	(1)	w/w)
Dibutyl phthalate (DBP)	<0.01	
Diethyl hexyl phthalate (DEHP)	<0.01	
Benzyl butyl phthalate (BBP)	<0.01	
Diisobutyl phthalate (DIBP)	<0.01	
Sum of DBP, DEHP, BBP & DIBP	<0.01	0.1
Diisononyl phthalate (DINP)	<0.01	
Di-n-octyl phthalate (DnOP)	<0.01	
Diisodecyl phthalate (DIDP)	<0.01	
Sum of DINP, DnOP & DIDP	<0.01	0.1

The above limit was quoted according to Annex XVII Items 51 & 52 of the REACH Regulation (EC) no. 1907/2006, amendment no. 552/2009 taking into account the (EU) regulation 2018/2005 modifying entry 51 for which the DIBP shall not be placed on the market after 7 July 2020 in toys or childcare articles, individually or in any combination with the first three phthalates which already exist in the entry 51, in a concentration equal to or greater than 0,1 % by weight of the plasticised material.

Tested Component:

(1) White plastic sheet with inaccessible printing and foam backing (mat).

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(13) Short Chain Chlorinated Paraffin (C10 - C13) (SCCP) Content

: Solvent extraction and followed by Gas Chromatographic - Negative Chemical **Test Method**

Ionization - Mass Spectrometry (GC-NCI-MS) Analysis.

Tested Component	Result in %, w/w	
(1)	<0.01	

Requirement: 0.15% (w/w)

Detection limit = 0.01% (w/w)

Tested Component:

White plastic sheet with inaccessible printing and foam backing (mat). (1)

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(14) Organotin Content

Test Method : By solvent extraction, followed by Gas Chromatography Mass Spectrometric (GC/MS)

analysis.

Compound	Result (%, w/w)	Limit (%,
	(1)	w/w)
Tri-substituted Organotin^	<0.005	0.1
Dibutyltin (DBT)	<0.005	0.1
Dioctyltin (DOT)	<0.005	0.1

The above limit was quoted according to Annex XVII Item 20 of the REACH Regulation (EC) no. 1907/2006 & amendment (EU) No. 276/2010 (formerly known as Decision 2009/425/EC) for organotin content.

^ = The reported value was calculated by summation of the values of Tri-butyltin, Tri-phenyltin, Tri-methyltin, Tri-octyltin, Tri-cyclohexyltin

Detection limit = 0.005% (w/w) of tin

Tested Component:

(1) White plastic sheet with inaccessible printing and foam backing (mat).

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(15) Formaldehyde Migration Content

Test Standard : EN71 Part 10 and 11 : 2005.

Tested Component	Result in mg/l	Limit mg/l
(1)	<0.5	1.5

The above limit was quoted according to EU Commission Directive 2019/1929 amending Appendix C of Annex II to Directive 2009/48/EC of the European Parliament and of the Council on the safety of toys, as regards Formaldehyde with effective date on 21 May 2021.

mg/l = milligram per litre

Tested Component:

(1) White plastic sheet with inaccessible printing and foam backing (mat).

Date sample received : Jun 04, 2021 Test Period : Jun 04, 2021 to Jun 16, 2021

(16) Flammability Test

Test Standard : Australian/New Zealand Standard AS/NZS 8124.2: 2016

<u>Clause</u>	Requirement	<u>Assessment</u>
4.1	General	Р
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 with a piled or textile surface	NA

Abbreviation: P = Pass NA = Not Applicable

Additional Information: Butane gas was used in the test burner.

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(17) Toxic Elements Analysis

Test Method : Acid extraction method was used and toxic elements content were determined by

Inductively Coupled Plasma Optical Emission Spectrometry.

Materials other than modelling clay:

	Result (mg/kg)	Limit
	(1)	(mg/kg)
Soluble Barium (Ba)	<5	1000
Soluble Lead (Pb)	<5	90
Soluble Cadmium (Cd)	<5	75
Soluble Antimony (Sb)	<5	60
Soluble Selenium (Se)	<5	500
Soluble Chromium (Cr)	<5	60
Soluble Mercury (Hg)	<5	60
Soluble Arsenic (As)	<2.5	25

mg/kg = milligram per kilogram

Tested Component:

(1) White plastic sheet with inaccessible printing and foam backing (mat).

Decision Rule:

∞ : Materials are deems to comply with the requirements if the adjusted analytical result is less than or equal to the limit of this table.

The analytical result of materials shall be adjusted by subtracting the analytical correction in below table to obtain an adjusted analytical of result.

Elements	Sb	As	Ва	Cd	Cr	Pb	Hg	Se
Analytical Correction(%)	60	60	30	30	30	30	50	60

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(18) Physical and Mechanical Test

Test Standard : Consumer Product Safety Standard: Toys for children up to and including 36 months

of age (in force under section 65E(1) of the Trade Practices Act 1974) as

commenced by Consumer Protection Notice No. 14 of 2003 and as amended by

Consumer Protection No. 1 of 2005.

Age group for testing : For All Ages

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the Clause 5.24 OF AS/NZS ISO 8124.1 : 2002 before the assessment of the relevant requirement in Clause 4 and Annex A :

<u>Section</u>	Testing Items	<u>Parameter</u>
5.24.3	Tip-over test	3 times
5.24.5	Torque test	0.45 +/- 0.02Nm
5.24.6	Tension test	70 +/- 2N
5.24.7	Compression test	114 +/- 2N

<u>Clause</u>	Requirement	<u>Assessment</u>
4.1	Normal use	Р
4.2	Reasonably foreseeable abuse	Р
4.4	Small Parts	
4.4.1	Small parts for children under 36 months	Р
4.5	Shape, size and strength of certain toys	NA
4.5.1	Squeeze toys, rattles and certain other toys	NA
4.5.2	Small balls	NA
4.5.3	Pompoms	NA
4.5.4	Preschool play figures	NA
4.5.5	Toy pacifiers	NA
4.25	Mouth-actuated toys	
4.25.a	Mouth-actuated toys and removable mouthpieces of mouth-actuated toys	NA
4.25.b	Non-detachable mouthpieces of mouth-actuated toys	NA
4.25.c	Mouth-actuated toys which contain loose components	NA
A.2.3	Battery-operated toy	NA

Abbreviation: P = Pass NA = Not Applicable

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(19) Physical and Mechanical Tests

Test Standard : Australian / New Zealand standard AS/NZS ISO 8124-1:2019 + Amd 1:2020 + Amd

2:2020 - safety aspects related to mechanical and physical properties.

Age group for testing : For All Ages

The submitted samples were undergone the normal use and the following reasonable foreseeable abuse tests in accordance with the Clause 5.24 of AS/NZS ISO 8124-1:2019+Amd 1:2020+Amd 2:2020 before the assessment of the relevant requirement in Clause 4:

<u>Clause</u>	<u>Test</u>	<u>Parameter</u>
5.24.3	Tip-over test	3 times
5.24.5	Torque test	0.45±0.02Nm
5.24.6.1	Tension test	70±2N
5.24.7	Compression test	136±2N

<u>Clause</u>	<u>Requirement</u>	Assessme
4.1	Normal use	Р
4.2	Reasonably foreseeable abuse	Р
4.3	Material	Р
4.4	Small parts	Р
4.5	Shape, size and strength of certain toys	NA
4.6	Edges	Р
4.7	Points	Р
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 elastic	NA
4.12	Folding mechanisms	NA
4.13	Holes, clearances and accessibility of mechanisms	NA
4.14	Springs	NA
4.15	Stability and overload requirement	NA
4.16	Enclosures	NA
4.17	Simulated protective equipment, such as helmets, hats and goggles	NA
4.18	Projectile toys	NA
4.19	Flying toys	NA
4.20	Aquatic toys	NA







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<u>Clause</u>	Requirement Programme Requirement Requirement	<u>Assessment</u>
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
4.27	Toy roller 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
4.32	Yo-yo balls	NA
4.33	Straps intended to be worn fully or partially around the neck	NA
4.34	Sledges and toboggans with cords for pulling	NA
4.35	Jaw entrapment in handles and steering wheels	NA
4.36	Assembly	NA
ANNEX B	Safety labelling guidelines and manufacturer's markings	Р
ANNEX D	Toy gun marking	NA

Abbreviation: P = Pass NA = Not Applicable

Date sample received: Jun 04, 2021 Test Period : Jun 04, 2021 to Jun 11, 2021





Kowloon, Hong Kong



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(20)Diethylhexyl Phthalate (DEHP) Content

Test Method : Australian Competition and Consumer Act 2010 with Consumer Protection Notice No.

11, 2011, by solvent extraction and followed by Gas Chromatographic-Mass

Spectrometric (GC-MS) analysis.

Tested Component	Result in %, w/w	Limit in %, w/w
(1)	<0.01	1

The above limit was quoted according to Australian Competition and Consumer Act 2010 with Consumer Protection Notice No. 11, 2011 on Diethylhexyl Phthalate (DEHP) for children's products

Tested Component:

(1)White plastic sheet with inaccessible printing and foam backing (mat).

Date sample received: Jun 04, 2021 Test Period: Jun 04, 2021 to Jun 13, 2021





Number: HKGH02738459







End of report

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