



中国认可
国际互认
检测
TESTING
CNAS L1744

TOKIDOKI

Technical Report: (8816)222-0079

Aug 17, 2016

Date Received: Aug 9, 2016

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TOKIDOKI

5655 WEST ADAMS BLVD, LOS ANGELES, CA 90016,
U.S.A.

Sample Description: UNICORNO SERIES 5

1. VALENTINE
2. LIBERTY
3. WASABI
4. SOULMATES
5. ROSA LATTE
6. KAIJUCORNO
7. DIAMANTE
8. HONEYBEE
9. PRISMA
10. NEO
11. TOKIMEKI
12. KINOKO

Vendor:	N/A	Sample Size:	N/A
Manufacturer:	N/A	Style No(s):	N/A
Buyer:	N/A	SKN/SKU No.:	N/A
Labeled Age Grade:	AGES 8+	PO No.:	N/A
Appropriate Age Grade:	NOT REQUESTED	Ref #:	N/A
Client Specified Age Grade:	8+	Country of Origin:	N/A
Grade:			
Tested Age Grade:	OVER 8 YEARS OF AGE	Assortment No.:	N/A
UPC Code:	N/A		
Test Starting Date:	AUG 9, 2016	Test Finished Date:	AUG 17, 2016

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REMARK

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EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

- (#)- *The mechanical and physical properties requirements of the tested subclauses of the European Standard, "Safety of toys", EN71: Part 1:2014, clauses 1-6.***
- (#)- *The flammability requirements of the European Standard "Safety of Toys", EN 71: Part 2: 2011+A1: 2014.***
- (#)- *The migration of certain elements in Category III - Scraped off toy material requirements of the European Standard, "Safety of Toys", EN 71 Part 3: 2013+A1:2014.***
- (#)- *The BBP, DBP and DEHP content requirements of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 51.***
- (#)- *The DNOP, DINP and DIDP content requirements of the European Regulation (EC) No. 1907/2006 of the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH), Annex XVII concerning the Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles, Item no. 52.***
- (#)- *The labeling requirements of ASTM F963-11, "Standard consumer safety specification for toy safety".***
- (#)- *The mechanical hazards requirements of ASTM F963-11, "Standard consumer safety specification for toy safety".***
- (#)- *The flammability requirements of ASTM F963-11, "Standard consumer safety specification on toy safety", Section 4.2 and 16 CFR 1500.3(c)(6)(vi), "Flammable solid".***
- (#)- *The total lead content in surface coating requirements of ASTM F963-11, "Standard consumer safety specification for toy safety", Section 4.3.5.1(1).***
- (#)- *The total lead content in substrate requirements of ASTM F963-11, "Standard consumer safety specification for toy safety", Section 4.3.5.2(2)(a).***
- (#)- *The soluble heavy metals content in surface coating requirements of ASTM F963-11, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.1(2).***
- (#)- *The soluble heavy metals content in substrate requirements of ASTM F963-11, "Standard Consumer Safety Specification for Toy Safety," Section 4.3.5.2(2)(b).***
- (#)- *The total lead content of 90ppm requirements in surface coating (Consumer Products Safety Improvement Act (CPSIA) of 2008).***
- (#)- *The total lead content of 100ppm requirements in substrate materials (Consumer Products Safety Improvement Act (CPSIA) of 2008).***
- (#)- *The BBP, DBP & DEHP content requirements of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) Prohibition On Sale of Certain Products Containing Specified Phthalates.***

To be continued



EXECUTIVE SUMMARY:

The sample(s) MEETS the following requirement(s):

(#)- *The DNOP, DIDP & DINP content requirements of the Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(b)(1) Prohibition On Sale of Certain Products Containing Specified Phthalates.*

- The tracking label requirement of the Consumer Product Safety Improvement Act (CPSIA) of 2008 section 103 Tracking Labels for Children's Products.
- The BBP, DBP, DEHP, DnHP and DIDP content requirements in toys, child care articles and watches according to the California Proposition 65 settlements of County of Sacramento case number 07AS04683, and the Alameda Superior Court case numbers BG07350969, RG08367601, RG07351032 and RG08378050.
- The total lead content requirements in toys and child care articles according to the California Proposition 65 settlements of Alameda Superior Court, BG07350969, RG08378050 and San Francisco Superior Court 07-462991.

(#)- *The labeling requirements of the tested sections of the Canada Consumer Product Safety Act, Toys Regulations, SOR/2011-17.*

(#)- *The mechanical hazards requirements of the tested sections of Canada Consumer Product Safety Act, Toys Regulations, SOR/2011-17 and Schedule 2.*

(#)- *The cellulose nitrate requirements of Canada Toys Regulations, SOR/2011-17, section 21.*

(#)- *The applicable heavy metals content requirements for surface coatings of the Canada Consumer Product Safety Act, Toys Regulations, SOR/2011-17 Sec. 23.*

(#)- *The BBP, DBP and DEHP content requirements of the Canada Consumer Product Safety Act, Phthalate Regulations, SOR/2010-298.*

(#)- *The DNOP, DINP and DIDP content requirements of the Canada Consumer Product Safety Act, Phthalate Regulations, SOR/2010-298.*

- The polycyclic aromatic hydrocarbons (PAHs) content requirement of European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 50, Paragraph 5 and 6.

Note: At the request of the client, the sample(s) was evaluated for use by children 8+.

Note: At the request of the client, the EN 71 Pt.1-2014:clause 7 labeling requirement(s) was not evaluated for this submission.

Note: At the request of the client, the EN 71-1:2014 the Clause 6 about packaging requirement(s) was waived for this submission.

To be continued



EXECUTIVE SUMMARY:

- Note: The sample(s) was not evaluated to the Normal Use testing requirements specified in ASTM F963-11, Section 8.5. It is the responsibility of the manufacturer, vendor or distributor to conduct tests that will simulate normal use conditions. These tests shall ensure that hazards are not generated through normal wear and deterioration of the sample(s). These tests shall also simulate the normal play mode of the toy and to simulate the expected mode of use of the particular toy. The tests shall be conducted in an expected use environment. These normal use tests shall simulate the intended use of the toy based on its estimated lifetime.
- Note: The composite test sample(s) of the submitted samples was prepared in the manner requested by the client, when subject to the test performed.
- Note: Tests with (#) accredited under CNAS testing standard.



Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I001	Rose gold/red /white /black /gold coating	Surface of body	1
I002	White /blue /cyan /silver white /red coating	Surface of body	2
I003	Green /orange /shiny glitter/white /black coating	Surface of body	3
I004	Pink /silver white /blue /yellow /red /purple coating	Surface of body	4
I005	Light pink /white /black /red /dark red /green coating	Surface of body	5
I006	Pink /yellow green /dull purple /black /white /light blue coating	Surface of body	6
I007^	Blue /pink /black coating	Surface of body	7
I008	Black /yellow /white /brown /gold coating	Surface of body	8
I009	Blue /dark purple /pink /red /orange /green /silver /white /dull pink coating	Surface of body	9
I010	White /black /anti gold /brown /blue /orange /yellow coating	Surface of body	10
I011	Dull pink /bright pink /light pink /green /blue /beige /yellow /dull blue /orange /brown coating	Surface of body	11
I012	Light pink /fuchsia /yellow /dark blue /red/light blue /black /white /orange/ purple coating	Surface of body	12
I013	White PVC	Body	1-6,9-12
I014	Transparent PVC	Body	7,8,11
I015	Black paint	BLACKC	-
I016	White paint	IRIDESCENT/PEARL	-
I017	Red paint	185C	-
I018	Red paint	807C	-
I019	Orange paint	804C	-
I020	Yellow paint	803C	-
I021	Green paint	382C	-
I022	Blue paint	2975C	-
I023	Blue paint	VIOLET C	-
I024	Pink paint	203C	-
I025	White paint	WHITE	-
I026	Yellow paint	107C	-
I027	Grey paint	METALLIC 871C	-
I028	Grey paint	METALLIC 8585C	-



Tested Component(s) Description List:

Test Item(s)	Item / Component Description(s)	Location(s)	Style(s)
I029	Transparent yellow paint	TRANSAPRENT AMBER	-
I030	Pink paint	487C	-
I031	Dull yellow paint	475C	-
I032	Dull yellow paint	727C	-
I033	Coffee paint	4635C	-
I034	Red paint	1925C	-
I035	Red paint	224C	-
I036	Pink paint	211C	-
I037	Coffee paint	188C	-
I038	Blue paint	305C	-
I039	Blue paint	331C	-
I040	Blue paint	288C	-
I041	Red paint	193C	-
I042	Red paint	806C	-
I043	Orange paint	805C	-
I044	Green paint	802C	-
I045	Yellow paint	0131C	-
I046	Purple paint	2665C	-
I047	Pink paint	231C	-
I048	Green paint	376C	-
I049	Green paint	7480C	-
I050	Orange paint	171C	-
I051	Orange paint	WARMRED C	-
I052	Coffee paint	7515C	-
I053	Blue paint	306C	-
I054	Pink paint	182C	-
I055	Coffee paint	8062C	-

Note: "A" The received sample(s) contained accessible component(s) of less than 10 milligrams by weight on one single sample, therefore such component(s) was not subject to migration of certain elements of European Standard, "Safety of Toys", EN 71 Part 3: 2013 + A1:2014, as specified in Clause 7.1 - Selection of test portions.

"B" The received sample(s) contained accessible material(s) of less than 10 milligrams by weight on one single sample, therefore such material(s) was not subject to the heavy metals analysis of ASTM F963-11, "Standard consumer safety specification on toy safety", Section 4.3.5.1(2) and 4.3.5.2, as specified in Section 8.3.3.6(2) and Section 8.3.5.3(2).



RESULTS:

APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the EN71 : Part 1 : 2014, CR 14379:2002 "Classification of toys-Guidelines" prepared by Technical Committee CEN TC 52 and Age Grade Determination Guidelines of the Consumer Product Safety Commission (CPSC).	
Note :	The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.
Note :	If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.

EXPLANATION OF THE ABBREVIATIONS FOR PART 1, 2 & 6

Symbol	Explanation				
NM	The sample(s) DOES NOT MEET the requirement of this Subclause				
M	The sample(s) MEET the requirement of this Subclause				
N/A	Not Applicable				
NR	Not Requested				
NE	Not Evaluated				
NT	Not Tested				
NP	None Present				
P	Present				
R	Refer to Comment Section of this report				
Symbol	Language Present	Symbol	Language Present	Symbol	Language Present
B	Belgian language	G	German language	PR	Portuguese language
D	Danish language	GR	Greek language	S	Spanish language
E	English language	H	Dutch language	SD	Swedish language
F	Finnish language	I	Italian language	SZ	Swiss language
FR	French language	N	Norwegian language		

RESULTS:

**MECHANICAL & PHYSICAL PROPERTIES
 (EN 71: PART 1 –2014)**

Subclause	Requirement	Result
4.1	Material cleanliness	M
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 & 7.6	Edges	M
4.8 & 7.6	Points and metallic wires	M
4.8e	Splinters	M
4.9	Protruding parts	NA
4.10.1	Folding and sliding mechanisms	NA
4.10.2	Driving mechanisms	NA
4.10.3	Hinges	NA
4.10.4	Springs	NA
4.11	Mouth actuated toys and other toys intended to be put in the mouth	NA
4.12 & 7.3	Balloons	NA
4.13 & 7.9	Cord of toy kites and other flying toys	NA
4.14.1	Toys which a child can enter	NA
4.14.2 & 7.8	Masks and helmets	NA
4.15.1	Toys propelled by child	
4.15.1.2 & 7.10.1 & 7.10.2 & 7.10.3 & 7.10.4 & 7.16	Toys propelled by child – Instructions for use	NA
4.15.1.3	Toys propelled by child – Strength	NA
4.15.1.4	Toys propelled by child – Stability	NA
4.15.1.5	Toys propelled by child – Braking	NA
4.15.1.6	Toys propelled by child - Transmission	NA
4.15.1.7	Toys propelled by child – insertion mark	NA
4.15.1.8	Electrically-driven ride-on toys	NA
4.15.2	Toy bicycles	
4.15.2.2 & 7.15	Toy bicycles – Warnings and instructions for use	NA
4.15.2.3	Toy bicycles – Braking	NA
4.15.3 & 7.16 & 7.19	Rocking horses and similar toys	NA
4.15.4 & 7.16	Toys not propelled by child	NA
4.15.5 & 7.18	Toy scooters	NA
4.16	Heavy immobile toys	NA



RESULTS:

Subclause	Requirement	Result
4.17.1	Projectiles – General	NA
4.17.2	Projectiles toys without stored energy	NA
4.17.3 & 7.7	Projectile toys with stored energy	NA
4.17.4 & 7.7	Bows and arrows	NA
4.18 & 7.4	Aquatic toys and inflatable toys	NA
4.19 & 7.13 & 7.14	Percussion caps	NA
4.20.2.1- 4.20.2.4, 4.20.2.6-4.20.2.7, 4.20.2.10	Acoustics	NA
* 4.20.2.5	Acoustics – Toys using headphones or earphones	NA
* 4.20.2.8	Acoustics – Pull-along or push toys	NA
4.20.2.9, 4.20.2.11 & 7.14	Acoustics – Percussion toys & cap-firing toys	NA
* 4.20.2.12	Acoustics – Voice toys	NA
4.21	Toys containing a non-electrical heat source	NA
4.22 & 7.2	Small balls	NA
4.23	Magnet	
4.23.2 a, b & c	Toy other than magnetic / electrical experimental sets intended for children over 8 years	NA
4.23.3 & 7.20	Magnetic / electrical experimental sets intended for children over 8 years	NA
4.24	Yo-yo ball	NA
4.25	Toys attached to food	NA
	FOR TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS	
5	Cleaning instruction for item intended for child under 3 years of age	NA
5.1	General	NA
5.1a	Small parts – as received	NA
5.1b	Small parts, sharp points, sharp edges – after tests	NA
5.1c	Cross section <2mm metal points & wires	NA
5.1e	Toys contain glue	NA
5.1f	Casing of toys	NA
5.2	Filings, coverings and seams	NA
5.3	Adhesion of plastic sheeting	NA
5.4 &	Cords on toys	NA
5.4(a)	Cords connected to self-retraction mechanism or in pull along toys	NA
5.4(b) & 7.22	Cords and chains that can form tangled loop or noose	NA
5.4(c) & 7.22	Fixed loop of cords or chains	NA



RESULTS:

Subclause	Requirement	Result
5.4(d)	Nooses	NA
5.4(e)	Self-retraction mechanism	NA
5.4(f) & 7.11	Toy across cradle, cot or perambulator	NA
5.4(g) & 7.22	Cords and chains with free end (exclude pull along toy)	NA
5.4(h)	Cords and chains with free end on pull along toy	NA
5.4(i) & 7.21	Electrical cables	NA
5.5 & 7.12	Liquid filled toys	NA
5.6	Electrically driven toys	NA
5.7	Glass and porcelain	NA
5.8	Shape and size	NA
5.9 & 7.17	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
6	Packaging	NT
WARNINGS, INSTRUCTIONS FOR USE		
7	CE Mark	NT
7	Manufacturer name and address	NT
7	Importer name and address	NT
7	Product Identification	NT
7.1	General	NT
7.2	Toys not intended for children under 36 months	NT
7.5	Functional toys	NT

RESULTS:

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 1

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.3	8.25.1	4.14.2	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.11, 8.12	4.17.3	8.24.1	5.3	8.4.2.1, 8.25
4.5	8.5, 8.7, 8.11, 8.12	4.15.1.3	8.11, 8.12, 8.21, 8.22	4.17.4	8.24.2	5.4	8.20, 8.36, 8.38, 8.39, 8.40
4.6	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.14	4.15.1.4	8.23.1	4.18	8.2, 8.3, 8.4.2.1	5.5	8.15
4.7	8.11	4.15.1.5	8.26.1	4.20	8.28	5.6	8.29
4.8	8.12, 8.13	4.15.1.8	8.29	4.21	8.30	5.8	8.16
4.9	8.4.2.3, 8.11, 8.12	4.15.2.4	8.26.2	4.22	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.32	5.10	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9, 8.32
4.10.1	8.18.2, 8.18.3	4.15.3	8.21, 8.23.1	4.23	8.2, 8.3, 8.4.2.1, 8.4.2.2, 8.5, 8.6, 8.7, 8.8, 8.34, 8.35	5.11	8.33
4.10.2	8.5, 8.6, 8.7, 8.11, 8.12	4.15.4	8.21, 8.23.1	4.24	8.37	5.12	8.3, 8.4.2.1, 8.5, 8.6, 8.7, 8.8, 8.9,
4.11	8.2, 8.3, 8.4.2.1, 8.9, 8.17	4.15.5	8.11, 8.12, 8.21, 8.22, 8.26.3, 8.27	4.25	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32.1	5.13	8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.32
4.13	8.19	4.16	8.23.2	5.1	8.2, 8.3, 8.4.2.1, 8.5, 8.7, 8.8, 8.9, 8.11, 8.12		
4.14.1	8.31.1, 8.31.2	4.17.1	8.4.2.3				

RESULTS:

FLAMMABILITY (EN 71 PART 2: 2011+A1: 2014)

Subclause	Requirement	Result
4.1	Cellulose nitrate	NP
4.1	Surface flash on a piled surface	NA
*4.1	Flammable gases	NA
*4.1	Extremely flammable liquids, highly flammable liquids, flammable liquids and flammable gels	NA
4.2	Toys to be worn on the head	NA
4.3	Toy disguise costumes and toys intended to be worn by child in play	NA
4.3	warning on product and packaging (10 - 30 mm/s)	NA
4.4	Toys intended to be entered by a child	NA
4.4	warning on product and packaging (10 – 30 mm/s)	NA
4.5	Soft-filled toys	NA

REQUIREMENTS & TEST METHODS CROSS REFERENCE TABLE FOR PART 2

Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method	Sub-clause	Test Method
4.2.2	5.2	4.2.4	5.3	4.3	5.4	4.5	5.5
4.2.3	5.3	4.2.5	5.4	4.4	5.4	-	-

* Note: Subclause indicated with * are not accredited.



RESULTS:

Analyte	Requirement (mg/kg)	Result (mg/kg)					
		Test Item(s)					
	Category III	I014	-	-	-	-	-
Aluminium (Al)	70000	2	-	-	-	-	-
Arsenic (As)	47	LT 2	-	-	-	-	-
Boron (B)	15000	LT 2	-	-	-	-	-
Barium (Ba)	18750	LT 2	-	-	-	-	-
Cadmium (Cd)	17	LT 2	-	-	-	-	-
Cobalt (Co)	130	LT 2	-	-	-	-	-
Chromium III (Cr III)	460	LT 0.15	-	-	-	-	-
Chromium VI (Cr VI)	0.2		-	-	-	-	-
Copper (Cu)	7700	LT 2	-	-	-	-	-
Mercury (Hg)	94	LT 2	-	-	-	-	-
Manganese (Mn)	15000	LT 2	-	-	-	-	-
Nickel (Ni)	930	LT 2	-	-	-	-	-
Lead (Pb)	160	LT 2	-	-	-	-	-
Antimony (Sb)	560	LT 2	-	-	-	-	-
Selenium (Se)	460	LT 2	-	-	-	-	-
Tin (Sn)	180000	LT 2	-	-	-	-	-
Organic tin	12	LT 2	-	-	-	-	-
Strontium (Sr)	56000	LT 2	-	-	-	-	-
Zinc (Zn)	46000	LT 2	-	-	-	-	-
Mass of trace amount (gram)		-	-	-	-	-	-
Conclusion		PASS	-	-	-	-	-

mg/kg = milligrams per kilogram (ppm=parts per million) LT = Less Than

* = Average of duplicate analysis

Organic tin = migration of total organic tin is expressed as tributyl tin cation content in mg/kg

= Verified results (see note)

Remark:

- Results of Cr III and Cr VI were reported as sum of soluble Chromium content unless specified.
- Result(s) of organic tin was (were) calculated while assuming the tin content wholly contributed from tributyltin cation unless specified.

Note:

If soluble chromium content or soluble tin content exceeded the screening limits of soluble chromium (VI) or organic tin content, the results were verified by below method

- Chromium VI: In house Ion-chromatography analysis.
- Organic tin: EN71 part 3:2013+A1:2014, Annex G by Gas Chromatography – Mass Spectroscopy analysis.



RESULTS:

BBP/DBP/DEHP Contents in Toys and Childcare Articles – European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 51

Test Method : Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer.

Test Parameter:	BBP	DBP	DEHP	SUM	-
Limit (%):	0.1 (Sum of three phthalates)				-
Test Item(s)	Result (%)				Conclusion
I013+I014	ND	ND	ND	ND	PASS
I015+I016+I017	ND	ND	ND	ND	PASS
I018+I019+I020	ND	ND	ND	ND	PASS
I021+I022+I023	ND	ND	ND	ND	PASS
I024+I025+I026	ND	ND	ND	ND	PASS
I027+I028+I029	ND	ND	ND	ND	PASS
I030+I031+I032	ND	ND	ND	ND	PASS
I033+I034+I035	ND	ND	ND	ND	PASS
I036+I037+I038	ND	ND	ND	ND	PASS
I039+I040+I041	ND	ND	ND	ND	PASS
I042+I043+I044	ND	ND	ND	ND	PASS
I045+I046+I047	ND	ND	ND	ND	PASS
I048+I049+I050	ND	ND	ND	ND	PASS
I051+I052+I053	ND	ND	ND	ND	PASS
I054+I055	ND	ND	ND	ND	PASS

Note / key:

BBP = Butyl benzyl phthalate DBP = Dibutyl phthalate DEHP = Di(2-ethylhexyl) phthalate
 ND = Not detected % = percent 10000 mg/kg = 1 %
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005



RESULTS:

DNOP/DINP/DIDP Contents in Toys and Childcare Articles which can be placed in the Mouth by the Children – European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 52

Test Method : Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer.

Test Parameter:	DIDP	DINP	DNOP	SUM	-
Limit (%):	0.1 (Sum of three phthalates)				-
Test Item(s)	Result (%)				Conclusion
I013+I014	ND	ND	ND	ND	PASS
I015+I016+I017	ND	ND	ND	ND	PASS
I018+I019+I020	ND	ND	ND	ND	PASS
I021+I022+I023	ND	ND	ND	ND	PASS
I024+I025+I026	ND	ND	ND	ND	PASS
I027+I028+I029	ND	ND	ND	ND	PASS
I030+I031+I032	ND	ND	ND	ND	PASS
I033+I034+I035	ND	ND	ND	ND	PASS
I036+I037+I038	ND	ND	ND	ND	PASS
I039+I040+I041	ND	ND	ND	ND	PASS
I042+I043+I044	ND	ND	ND	ND	PASS
I045+I046+I047	ND	ND	ND	ND	PASS
I048+I049+I050	ND	ND	ND	ND	PASS
I051+I052+I053	ND	ND	ND	ND	PASS
I054+I055	ND	ND	ND	ND	PASS

Note / key:

DNOP = Di-n-octyl phthalate DINP = Di-iso-nonyl phthalate DIDP = Di-iso-decyl phthalate
 ND = Not detected % = percent 10000 mg/kg = 1 %
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005



RESULTS:

APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is determined with reference to the Age Determination Guidelines of the Consumer Product Safety Commission (CPSC); and the ASTM F963-11, "Standard Consumer Safety Specification on Toy Safety". Annex A1

Note : The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.

Note : If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.



RESULTS:

PHYSICAL AND MECHANICAL HAZARDS (ASTM F963-11)

Section	Requirement	Result
4.1	Material Quality	M
4.3.7	Stuffing Materials	N/A
4.5	Sound-Producing Toys	N/A
4.6	Small Objects	N/A
4.7	Accessible Edges	N/A
4.8	Projections	N/A
4.9	Accessible Points	N/A
4.10	Wires and Rods	N/A
4.11	Nails and Fasteners	N/A
4.12	Plastic Film	M
4.13	Folding Mechanisms and Hinges	N/A
4.14	Cords, Straps and Elastics	N/A
4.15	Stability and Over-Load Requirements	N/A
4.16	Confined Spaces	N/A
4.17	Wheels, Tires, and Axles	N/A
4.18	Holes, Clearances and Accessibility of Mechanisms	N/A
4.19	Simulated Protective Devices	N/A
4.20	Pacifiers	N/A
4.21	Projectile Toys	N/A
4.22	Teethers and Teething Toys	N/A
4.23	Rattles	N/A
4.24	Squeeze Toys	N/A
4.25	Battery-Operated Toys (exclude section 4.25.10 Battery-powered ride-on toys)	N/A
4.26	Toys Intended to be Attached to a Crib or Playpen	N/A
4.27	Stuffed and Beanbag-Type Toys	N/A
4.30	Toy Gun Marking	N/A
4.32	Certain Toys with Nearly Spherical Ends	N/A
4.34	Small Balls	N/A
4.35	Pompoms	N/A
4.36	Hemispheric-Shaped Objects	N/A
4.37	Yo Yo Elastic Tether Toys	N/A
4.38	Magnets	N/A
4.39	Jaw Entrapment in Handles and Steering Wheels	N/A

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section



RESULTS:

LABELING AND INSTRUCTIONAL REQUIREMENT (ASTM F963-11)

Section	Requirement	Result
5.4 & 5.3	Aquatic Toys	N/A
5.5 & 5.3	Crib and Playpen Toys	N/A
5.6 & 5.3	Mobiles	N/A
5.7 & 5.3	Stroller and Carriage Toys	N/A
5.8 & 5.3	Toys Intended to be Assembled by an Adult	N/A
5.9 & 5.3	Simulated Protective Devices	N/A
5.10 & 5.3	Toys with Functional Sharp Edges or Sharp Points	N/A
5.11	Small Objects, Small Balls, Marbles and Balloons (16 CFR 1500.19)	N/A
5.12	Toy Caps (16CFR1500.86)	N/A
5.13	Art Materials (16 CFR 1500.14(b)(8))	N/A
5.15	Battery-Operated Toys (exclude 5.15.1)	N/A
5.15.1 & 5.3	Battery-Powered Ride-On Toys	N/A
5.16	Promotional Materials	M
5.17 & 5.3	Magnets	N/A
6.1	Definition and Description	M
6.2	Crib and Playpen Toys	N/A
6.3	Mobiles	N/A
6.4 & 5.3	Toys Intended to be Assembled by an Adult	N/A
6.5.1-2	Battery-Operated Toys	N/A
6.5.3	Battery-Powered Ride-On Toys	N/A
6.6	Toys in Contact with Food	N/A
7.1	Producer's Name and Address	M
7.2	Battery-Powered Ride-on Toys	N/A

M = Meet NM = Not Meet N/A = Not Applicable R = Refer to Comment Section

FLAMMABILITY (16 CFR SECTION 1500.3(c)(6)(vi))

Requirement	Test Method Reference	Findings
Burn rate no greater than 0.1 of an inch per second	16 CFR 1500.44	Ignited but Self-Extinguished.



RESULTS:

Total Lead Content in Surface Coating – ASTM International Standard ASTM F963-11, Section 4.3.5.1(1)

Test Method : ASTM International Standard ASTM F963-11, Section 8.3.1 and Annex A7.

Maximum Allowable Limit :	90 mg/kg
---------------------------	----------

Test Item(s)	Result	Unit	Conclusion
	Total Lead (Pb)		
I015+I016+I017	ND	mg/kg	PASS
I018+I019+I020	ND	mg/kg	PASS
I021+I022+I023	ND	mg/kg	PASS
I024+I025+I026	ND	mg/kg	PASS
I027+I028+I029	ND	mg/kg	PASS
I030+I031+I032	ND	mg/kg	PASS
I033+I034+I035	ND	mg/kg	PASS
I036+I037+I038	ND	mg/kg	PASS
I039+I040+I041	ND	mg/kg	PASS
I042+I043+I044	ND	mg/kg	PASS
I045+I046+I047	ND	mg/kg	PASS
I048+I049+I050	ND	mg/kg	PASS
I051+I052+I053	ND	mg/kg	PASS
I054+I055	ND	mg/kg	PASS

Note / key:

- ND = Not detected
- mg/kg = milligram(s) per kilogram
- Detection Limit (mg/kg) : 10



RESULTS:

Total Lead Content in Substrate – ASTM International Standard ASTM F963-11, Section 4.3.5.2(2)(a)

Test Method : ASTM International Standard ASTM F963-11, Section 8.3.1 and Annex A7.

Maximum Allowable Limit :	100 mg/kg
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Test Item(s)	Result	Unit	Conclusion
	Total Lead (Pb)		
I013+I014	ND	mg/kg	PASS

Note / key:

ND = Not detected
mg/kg = milligram(s) per kilogram
Detection Limit (mg/kg) : 10



RESULTS:

Soluble Heavy Metals Content in Surface Coating – ASTM International Standard ASTM F963-11, Section 4.3.5.1(2)

Test Method : ASTM International Standard ASTM F963-11, Section 8.3.2 to 8.3.4.

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Max. Limit (mg/kg)	25	1000	75	60	60	90	60	500
Analytical Correction (%)	60	30	30	30	50	30	60	60

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Mass of Trace Amount	Conclusion
Test Item(s)	Result (mg/kg)								(g)	
I001	ND	ND	ND	ND	ND	ND	ND	ND	0.0330	PASS
I002	ND	ND	ND	ND	ND	ND	ND	ND	0.0250	PASS
I003	ND	ND	ND	ND	ND	ND	ND	ND	0.0320	PASS
I004	ND	ND	ND	ND	ND	ND	ND	ND	0.0290	PASS
I005	ND	ND	ND	ND	ND	ND	ND	ND	0.0280	PASS
I006	ND	ND	ND	ND	ND	ND	ND	ND	0.0244	PASS
I008	ND	ND	ND	ND	ND	ND	ND	ND	0.0150	PASS
I009	ND	ND	ND	ND	ND	ND	ND	ND	0.0170	PASS
I010	ND	ND	ND	ND	ND	ND	ND	ND	0.0220	PASS
I011	ND	ND	ND	ND	ND	ND	ND	ND	0.0240	PASS
I012	ND	ND	ND	ND	ND	ND	ND	ND	0.0230	PASS

Note / key:

As = Arsenic Ba = Barium Cd = Cadmium Cr = Chromium
 Hg = Mercury Pb = Lead Sb = Antimony Se = Selenium
 ND = Not detected g = gram(s) % = percent
 mg/kg = milligram(s) per kilogram
 Detection Limit (mg/kg) : As : 2.5; Ba : 100; Cd : 7.5; Each (Cr, Hg, & Sb) : 6.0; Pb : 9.0; Se : 50



RESULTS:

Soluble Heavy Metals Content in Substrate – ASTM International Standard ASTM F963-11, Section 4.3.5.2(2)(b)

Test Method : ASTM International Standard ASTM F963-11, Section 8.3.5 (Excluding 8.3.5.5(3))

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se
Max. Limit Type I (mg/kg)	25	1000	75	60	60	90	60	500
Max. Limit Type II (mg/kg)	25	250	50	25	25	90	60	500
Analytical Correction (%)	60	30	30	30	50	30	60	60

Analyte	As	Ba	Cd	Cr	Hg	Pb	Sb	Se	Mass of Trace Amount	Conclusion
Test Item(s)	Result (mg/kg)								(g)	
Type I: Substrate other than modeling clay										
I013	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS
I014	ND	ND	ND	ND	ND	ND	ND	ND	-	PASS

Note / key:

As = Arsenic Ba = Barium Cd = Cadmium Cr = Chromium
 Hg = Mercury Pb = Lead Sb = Antimony Se = Selenium
 ND = Not detected g = gram(s) % = percent
 mg/kg = milligram(s) per kilogram (ppm=parts per million)
 Detection Limit (mg/kg) :
 For Type I – As : 2.5; Ba : 100; Cd : 7.5; Each (Cr, Hg, & Sb) : 6.0; Pb : 9.0; Se : 50
 For Type II – Each (As, Cr & Hg) : 2.5; Ba : 25; Cd : 5.0; Sb : 6.0; Pb : 9.0; Se : 50

Remark:

- Textiles (natural or synthetic) are exempted for lead content requirement according to clarification of Toy Industry Association for ASTM F963-11. The lead content analysis result of corresponding material herein is for client's reference only.



RESULTS:

Total Lead Content in Surface Coating – Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 101(f)

Test Method : U.S. CPSC-CH-E1003-09.1

Maximum Allowable Limit :	90 mg/kg
---------------------------	----------

Test Item(s)	Result	Unit	Conclusion
	Total Lead (Pb)		
I015+I016+I017	ND	mg/kg	PASS
I018+I019+I020	ND	mg/kg	PASS
I021+I022+I023	ND	mg/kg	PASS
I024+I025+I026	ND	mg/kg	PASS
I027+I028+I029	ND	mg/kg	PASS
I030+I031+I032	ND	mg/kg	PASS
I033+I034+I035	ND	mg/kg	PASS
I036+I037+I038	ND	mg/kg	PASS
I039+I040+I041	ND	mg/kg	PASS
I042+I043+I044	ND	mg/kg	PASS
I045+I046+I047	ND	mg/kg	PASS
I048+I049+I050	ND	mg/kg	PASS
I051+I052+I053	ND	mg/kg	PASS
I054+I055	ND	mg/kg	PASS

Note / key:

- ND = Not detected
- mg/kg = milligram(s) per kilogram
- Detection Limit (mg/kg) : 10



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RESULTS:

**Total Lead Content in Substrate Materials – Consumer Product Safety Improvement Act (CPSIA) of 2008
Sec. 101(a)(2)**

Test Method : U.S. CPSC-CH-E1002-08.3 or U.S. CPSC-CH-E1001-08.3

Maximum Allowable Limit :	100 mg/kg
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Test Item(s)	Result	Unit	Conclusion
	Total Lead (Pb)		
I013+I014	ND	mg/kg	PASS

Note / key:

ND = Not detected
mg/kg = milligram(s) per kilogram
Detection Limit (mg/kg) : 10



RESULTS:

Phthalates Content in Children's Toys and Childcare Articles – Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(a) Prohibition On Sale of Certain Products Containing Specified Phthalates - BBP / DBP / DEHP Content

Test Method : U.S. CPSC-CH-C1001-09.3

Test Parameter:	BBP	DBP	DEHP	-
Limit (%):	0.1	0.1	0.1	-
Test Item(s)	Result (%)			Conclusion
I013+I014	ND	ND	ND	PASS
I015+I016+I017	ND	ND	ND	PASS
I018+I019+I020	ND	ND	ND	PASS
I021+I022+I023	ND	ND	ND	PASS
I024+I025+I026	ND	ND	ND	PASS
I027+I028+I029	ND	ND	ND	PASS
I030+I031+I032	ND	ND	ND	PASS
I033+I034+I035	ND	ND	ND	PASS
I036+I037+I038	ND	ND	ND	PASS
I039+I040+I041	ND	ND	ND	PASS
I042+I043+I044	ND	ND	ND	PASS
I045+I046+I047	ND	ND	ND	PASS
I048+I049+I050	ND	ND	ND	PASS
I051+I052+I053	ND	ND	ND	PASS
I054+I055	ND	ND	ND	PASS

Note / key:

BBP = Butyl benzyl phthalate DBP = Dibutyl phthalate DEHP = Di(2-ethylhexyl) phthalate
 ND = Not detected % = percent 10000 mg/kg = 1 %
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005



RESULTS:

Phthalates Content in Children's Toys and Childcare Articles – Consumer Product Safety Improvement Act (CPSIA) of 2008 Sec. 108(b)(1) Prohibition On Sale of Certain Products Containing Specified Phthalates - DNOP / DINP / DIDP Content

Test Method : U.S. CPSC-CH-C1001-09.3

Test Parameter:	DNOP	DINP	DIDP	-
Limit (%):	0.1	0.1	0.1	-
Test Item(s)	Result (%)			Conclusion
I013+I014	ND	ND	ND	PASS
I015+I016+I017	ND	ND	ND	PASS
I018+I019+I020	ND	ND	ND	PASS
I021+I022+I023	ND	ND	ND	PASS
I024+I025+I026	ND	ND	ND	PASS
I027+I028+I029	ND	ND	ND	PASS
I030+I031+I032	ND	ND	ND	PASS
I033+I034+I035	ND	ND	ND	PASS
I036+I037+I038	ND	ND	ND	PASS
I039+I040+I041	ND	ND	ND	PASS
I042+I043+I044	ND	ND	ND	PASS
I045+I046+I047	ND	ND	ND	PASS
I048+I049+I050	ND	ND	ND	PASS
I051+I052+I053	ND	ND	ND	PASS
I054+I055	ND	ND	ND	PASS

Note / key:

DNOP = Di-n-octyl phthalate DINP = Di-iso-nonyl phthalate DIDP = Di-iso-decyl phthalate
 ND = Not detected % = percent 10000 mg/kg = 1 %
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005

Remark:

The CPSIA tracking label is not accredited under CNAS testing standard



RESULTS:

Total Lead Content in Toys and Child Care Articles – California Proposition 65 settlements of Alameda Superior Court BG07350969, RG08378050, San Francisco Superior Court 07-462991

Test Method : Acid digestion followed by Atomic Absorption Spectrophotometry or Inductively Coupled Plasma Spectrometry.

Maximum Allowable Limit:	Type I	All product except baby bibs (PVC): 200 mg/kg
	Type II	All product except baby bibs (non PVC): 600 mg/kg
	Type III	Baby bibs: 200 mg/kg

Test Item(s)	Type	Result	Unit	Conclusion
		Total Lead (Pb)		
I013+I014	I	ND	mg/kg	PASS

Note / key:

- ND = Not detected
- mg/kg = milligram(s) per kilogram
- Detection Limit (mg/kg) : 10



RESULTS:

BBP/DBP/DEHP/DnHP/DIDP Phthalates Content Requirements in Toys, Child Care Articles and Watches – California Proposition 65 settlements of County of Sacramento case number 07AS04683, and the Alameda Superior Court case numbers BG07350969, RG08367601, RG07351032 and RG08378050

Test Method : Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer.

Test Parameter:	BBP	DBP	DEHP	DnHP	DIDP	-
Limit (%):	0.1	0.1	0.1	0.1	0.1	-
Test Item(s)	Result (%)					Conclusion
I013+I014	ND	ND	ND	ND	ND	PASS
I015+I016+I017	ND	ND	ND	ND	ND	PASS
I018+I019+I020	ND	ND	ND	ND	ND	PASS
I021+I022+I023	ND	ND	ND	ND	ND	PASS
I024+I025+I026	ND	ND	ND	ND	ND	PASS
I027+I028+I029	ND	ND	ND	ND	ND	PASS
I030+I031+I032	ND	ND	ND	ND	ND	PASS
I033+I034+I035	ND	ND	ND	ND	ND	PASS
I036+I037+I038	ND	ND	ND	ND	ND	PASS
I039+I040+I041	ND	ND	ND	ND	ND	PASS
I042+I043+I044	ND	ND	ND	ND	ND	PASS
I045+I046+I047	ND	ND	ND	ND	ND	PASS
I048+I049+I050	ND	ND	ND	ND	ND	PASS
I051+I052+I053	ND	ND	ND	ND	ND	PASS
I054+I055	ND	ND	ND	ND	ND	PASS

Note / key:

BBP = Butyl benzyl phthalate DBP = Dibutyl phthalate DEHP = Di(2-ethylhexyl) phthalate
 DnHP = Di-n-hexyl phthalate DIDP = Di-iso-decyl phthalate
 ND = Not detected % = percent 10000 mg/kg = 1 %
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005

Remark:

CA65 phthalates & lead is not accredited under CNAS testing standard.



RESULTS:

APPROPRIATE AGE GRADE DETERMINATION

The Appropriate Age Grade is recommended with reference to the Toys: Age Classification Guidelines (1998-01-13) of the Product Safety Bureau, Health Canada.	
Note :	The most stringent age grade from the Labeled Age Grade and the Appropriate Age Grade will be used for testing.
Note :	If the client does not specify an age grade for testing or request Bureau Veritas Consumer Products Services, Inc. to determine an appropriate age grade, the labeled age grade will be used for testing.

CANADA CONSUMER PRODUCT SAFETY ACT

Test Method : CANADA CONSUMER PRODUCT SAFETY ACT

REASONABLY FORESEEABLE USE TESTS	
Test	Test Parameters
Drop	4 x 3 ft
Push/Pull	10 lbs



RESULTS:

CANADA CONSUMER PRODUCT SAFETY ACT, TOYS REGULATIONS, SOR/2011-17

Section	Parameter / Requirement	Result
Mechanical Hazards		
4	Flexible film bag used for package	M
7	Small Toys and Detachable component	NA
8	Metal edge	NA
9	Wires frames	NA
10	Plastic Edges	M
11	Wood	NA
12	Glass	NA
13	Nails and fasteners	NA
14	Safety stops/Locking Device for Folding product	NA
15 (a, b)	Moving Mechanism	NA
15 (c)	Non- Detachable Winding Key Clearance	NA
15 (d)	Detachable Key	NA
16	Projectile Toy	NA
17	Enclosures	NA
18	Stability	NA
19	Auditory hazards	NA
Specific Products - Dolls and Soft Toys		
28	Exposed Sharp Points and Edges	M
29. (a)	Stuffing Materials shall be clean and free from vermin	NA
29. (b)	Stuffing Materials shall be free from hard and sharp foreign matter	NA
30	Squeaker, Reed and Valve	NA
31	Eyes and Nose	NA
Specific Products		
35*&36*	Plant seeds	NA
37	Pull and Push toys	NA
38*	Toys Steam engine Boilers	NA
39*	Finger Paints	NA
40(a)	Rattles – Sharp wire	NA
40(b, c)	Rattles – Impaction	NA
41	Elastic	NA
42	Yo-Yo type balls	NA
43	Batteries	NA



RESULTS:

CANADA CONSUMER PRODUCT SAFETY ACT, SCHEDULE 2

Section	Parameter / Requirement	Result
Mechanical Hazards		
1*	Jequirity Beans	M
8*	Kites	NA
9	Kite strings	NA
14*	Lawn, darts with elongated tips	NA

M = Meet NM = Not Meet NA = Not Applicable R = Refer to Comment Section
 * = Non-accredited section

**FLAMMABILITY OF CELLULOSE NITRATE
 TOY REGULATIONS SOR/2011-17 SECTION 21**

Requirement Reference	Observation	Flammability Classification
Section 21	No Flash Effect	M

M = Meet NM-See comment = Not Meet - Refer to Comment Section NA = Not Applicable



RESULTS:

Heavy Metals Content in Surface Coating – Canada Consumer Product Safety Act - Toys Regulations, SOR/2011-17 Sec. 23

Analyte		As	Ba	Cd	Hg	Pb	Sb	Se
Maximum Limit (mg/kg)	(T)	-	-	-	ND	90	-	-
	(S)	1000	1000	1000	-	-	1000	1000

Analyte		As	Ba	Cd	Hg	Pb	Sb	Se	Conclusion
Test Item(s)	Method	Result (mg/kg)							
I015+I016+I017	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I018+I019+I020	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I021+I022+I023	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I024+I025+I026	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I027+I028+I029	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I030+I031+I032	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I033+I034+I035	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I036+I037+I038	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I039+I040+I041	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I042+I043+I044	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I045+I046+I047	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I048+I049+I050	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I051+I052+I053	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	
I054+I055	(T)	-	-	-	ND	ND	-	-	PASS
	(S)	ND	ND	ND	-	-	ND	ND	



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RESULTS:

Note / key:

As = Arsenic	Ba = Barium	Cd = Cadmium	Hg = Mercury
Pb = Lead	Sb = Antimony	Se = Selenium	
ND = Not detected	T = Total analysis	S = Soluble analysis	

mg/kg = milligram(s) per kilogram
Detection Limit (mg/kg) :
Total (Pb 25; Hg 10; Sb 30; As 20; Cd 10; Se 50; Ba 50)
Soluble (Sb 30; As 20; Cd 10; Se 50; Ba 50)



RESULTS:

**Phthalates Content in Children's Toys and Childcare Articles – Canada Consumer Product Safety Act,
 Phthalate Regulations, SOR/2010-298 - BBP / DBP / DEHP Content**

Test Parameter:	BBP	DBP	DEHP	-
Limit (%):	0.1	0.1	0.1	-
Test Item(s)	Result (%)			Conclusion
I013+I014	ND	ND	ND	PASS

Note / key:

BBP = Butyl benzyl phthalate DBP = Dibutyl phthalate DEHP = Di(2-ethylhexyl) phthalate
 ND = Not detected % = percent 10000 mg/kg = 1 %
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005

**Phthalates Content in Children's Toys and Childcare Articles – Canada Consumer Product Safety Act,
 Phthalate Regulations, SOR/2010-298 - DNOP / DINP / DIDP Content**

Test Parameter:	DNOP	DINP	DIDP	-
Limit (%):	0.1	0.1	0.1	-
Test Item(s)	Result (%)			Conclusion
I013+I014	ND	ND	ND	PASS

Note / key:

DNOP = Di-n-octyl phthalate DINP = Di-iso-nonyl phthalate DIDP = Di-iso-decyl phthalate
 ND = Not detected % = percent 10000 mg/kg = 1 %
 mg/kg = milligram(s) per kilogram
 Detection Limit (%) : Each 0.005



RESULTS:

Polycyclic Aromatic Hydrocarbons (PAHs) Content – European Regulation (EC) No. 1907/2006 REACH Annex XVII, Item no. 50, Paragraph 5 and 6

Maximum Allowable Limit:	Type I	Articles includes amongst others: - sport equipment such as bicycles, golf clubs, racquets - household utensils, trolleys, walking frames tools for domestic use - clothing, footwear, gloves and sportswear - watch-straps, wrist-bands, masks, head-bands 1 mg/kg (Each of all listed PAHs)
	Type II	Toys, including activity toys, and childcare articles 0.5 mg/kg (Each of all listed PAHs)

Tested Item(s)	Type	Result			Conclusion
		Detected Analyte(s)	Conc.	Unit	
I013+I014	II	ND	ND	mg/kg	PASS

Note / key:

ND = Not detected ">" = Greater than Conc. = Concentration
 mg/kg = milligram(s) per kilogram
 Detection Limit (mg/kg): Each PAHs: 0.2; Sum of all PAHs: 0.2

Remark:

- The list of polycyclic aromatic hydrocarbons is summarized in table of Appendix.
- REACH PAHs is not accredited under CNAS testing standard.

APPENDIX:

List of Polynuclear Aromatic Hydrocarbons:					
No.	Name of Analytes	CAS-No.	No.	Name of Analytes	CAS-No.
1	Benzo[a]pyrene (BaP)	50-32-8	5	Benzo[b]fluoranthene (BbFA)	205-99-2
2	Benzo[e]pyrene (BeP)	192-97-2	6	Benzo[j]fluoranthene (BjFA)	205-82-3
3	Benzo[a]anthracene (BaA)	56-55-3	7	Benzo[k]fluoranthene (BkFA)	207-08-9
4	Chrysene (CHR)	218-01-9	8	Dibenzo[a,h]anthracene (DBAhA)	53-70-3



**BUREAU
VERITAS**

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RESULTS:



END OF REPORT