

LAB LOCATION: VIETNAM
DATE IN: May. 15, 2020

REPORT NUMBER: 76120-050199 Revised 1
DATE OUT: May. 28, 2020
REVISED DATE: Jul. 22, 2020

Applicant:	Lifetime Products, Inc.		
Contact:	Fiona		
Address:	P.O. Box 160010 Freeport Center Bldg. D-12 Clearfield, UT 84016-0010 USA		
Tel:	886-2-28935556 (Ext 207)	Fax:	886-2-28935388
E-mail:	amy@eversunny.com.tw, fiona@eversunny.com.tw		
Copy To:	-		

OVERALL RATING

PASS	X
FAIL	-
DATA	-

NOTE: RATING IS BASED ON TESTING LAB RESULTS. FINAL ACCEPTANCE OR REJECTION IS PER CLIENT ONLY.

Sample Information

Sample Description	Climbing Dome, Earthtone		
Item/ Style Number	90612/ 90136		
Purchase Order Number	-	No. of Samples Submitted	1
Country of Origin	Taiwan	Country of Destination	Europe
Vendor/ Agent	-	Manufacturer	Taiwan Shin Yeh Ent Co., Ltd

Testing Status

☐ Pre-production ☐ Production ☐ Retest ☐ Previous Report No

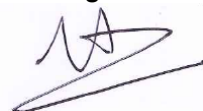
Other/ Comments: -

Sample Photos



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For and on behalf of
Modern Testing Services (Vietnam) Ltd.



HARRY VU
HL. DEPARTMENT SUPERVISOR

Modern Testing Services (Vietnam) Limited.

Lot II-12, Street 19/5A, Tan Binh Industrial Park, TayThanh Ward, Tan Phu District, HCM City, Vietnam
Tel: (+84) 862896363 Fax: (+84) 862896262 Email: info@mtsvietnam.com.vn Website: www.mts-global.com

EXECUTIVE SUMMARY:

TESTING RESULT SUMMARY				
Test Property	PASS	FAIL	DATA	COMMENTS
Total Lead Content – Entry 63 of Annex XVII of European Regulation (EC) No 1907/2006	X	-	-	-
Total Cadmium Content – Entry 23 of Annex XVII of European Regulation (EC) No 1907/2006	X	-	-	-
Phenylmercury Compounds – Entry 62 of Annex XVII of European Regulation (EC) No 1907/2006	X	-	-	-
Flame Retardants Content – Entry 4, 7, 8 of Annex XVII of European Regulation (EC) No 1907/2006	X	-	-	-
Flame Retardant Content – Entry 45 & 67 of Annex XVII of European Regulation (EC) No 1907/2006	X	-	-	-
Polycyclic Aromatic Hydrocarbons (PAHs) Content – Entry 50 of Annex XVII of European Regulation (EC) No 1907/2006	X	-	-	-
Organostannic Compounds – Entry 20 of Annex XVII of European Regulation (EC) No 1907/2006	X	-	-	-
Nonylphenol Ethoxylates and Nonylphenol Content – Entry 46 of Annex XVII of European Regulation (EC) No 1907/2006	X	-	-	-
Dimethyl Fumarate Content – Entry 61 of Annex XVII of European Regulation (EC) No 1907/2006	X	-	-	-
Benzene Content – Entry 5 of Annex XVII of European Regulation (EC) No 1907/2006	X	-	-	-
Perfluorooctanic Acid (PFOA) and PFOA-Related Substances Content – Entry 68 of Annex XVII of European Regulation (EC) No 1907/2006	X	-	-	-
Phthalates Content – Entry 51 & 52 of Annex XVII of European Regulation (EC) No 1907/2006	X	-	-	-
Short Chain Chlorinated Paraffins (SCCPs) Content – European Regulation (EC) No 850/2004 on Persistent Organic Pollutants	X	-	-	-
Migration of Certain Elements – EN 71-3:2019	X	-	-	-
205 Substances of Very High Concern (SVHC)	X	-	-	-
Heavy Metals Content in Packaging and Packaging Waste	X	-	-	-

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TEST REPORT

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TESTING RESULT SUMMARY

Test Property	PASS	FAIL	DATA	COMMENTS
EN71 Part 1: 2011+A3:2014, "Safety of toys – Part 1: Mechanical and physical properties"	X	-	-	-
BS EN 71-2:2011 + A1:2014 SAFETY OF TOYS (FLAMMABILITY)	X	-	-	-
EN71-8 Safety of toys. Activity toys for domestic use	X	-	-	-

Remark: This report was revised on Jul. 22, 2020 to change Component Breakdown List and Add Exhibit Breakdown of item #90136 per request.

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COMPONENT BREAKDOWN LIST:

Item No.	Item Description	Accessibility	Material Type
A	Climbing Dome, Earthtone	-	-
A1	Brown coating on metal (Metal tube - Geodome) - A/B	A	Coating
A2	Green coating on metal (Metal tube - Geodome) - A/B	A	Coating
A3	Silvery metal (Metal tube) - A/B	A	Metal
A4	Silvery metal (Long - Bolt) - A/B	A	Metal
A5	Silvery metal (Small - Bolt) - A/B	A	Metal
A6	Silvery metal (Hex nut) - A/B	A	Metal
A7	Silvery metal (Flat washer) - A/B	IN	Metal
A8	Black plastic (Climbing grips) - A/B	A	Plastic
A9	White plastic with black printing (Round label) - A/B	A	Plastic + Printing
A10	White plastic with black/ orange printing (Warning label) - A/B	A	Plastic + Printing
A11	White plastic with black/ green printing (Tracking label) - A/B	A	Plastic + Printing
A12	White fabric (Tent) - B	A	Textile
A13	Brown fabric (Tent) - B	A	Textile
A14	Black fabric (Tent loop) - B	A	Textile
A15	Silvery metal with black plating (Eyelet - Tent loop) - B	A	Metal
A16	Silvery metal with black plating (Clip - Tent loop) - B	A	Metal
A17	Black fabric with black plastic inside (Elastic cord) - B	A	Textile + Plastic
A18	Black plastic (Plastic hook - Elastic cord) - B	A	Plastic
A19	Black/ white coating with fabric (Logo) - B	A	Textile + Coating
A20	White fabric with white/ black/ orange coating (Warning label) - B	A	Textile + Coating
P	Packaging materials	-	-
P1	Doublewall carton with black/ green printing (Master carton)	A	Paper + Printing
P2	Doublewall carton (Master carton)	A	Paper
P3	Singlewall carton (Insert carton)	A	Paper
P4	Transparent plastic with black printing (Long - Poly bag)	A	Plastic + Printing
P5	Transparent plastic with black printing (Big - Poly bag)	A	Plastic + Printing
P6	Transparent plastic with glue backing (Adhesive tape)	A	Plastic + Adhesive
P7	Transparent plastic (Plastic wrap)	A	Plastic
P8	Transparent plastic (Blister card)	A	Plastic
P9	White paper with black printing and glue (Blister card)	A	Paper + Printing
P10	White paper with black printing and glue (Label)	A	Paper + Printing

Note: A = Accessible; IN = Inaccessible

EXHIBIT BREAKDOWN:



A



B

TEST RESULT(S):

1. Total Lead Content – Entry 63 of Annex XVII of European Regulation (EC) No 1907/2006, EU 836/2012 and EU 2015/628 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Test Item	Classification	Total Lead (Pb) (mg/kg)		Conclusion
		Result	Limit	
A1+A2	Paint or similar surface coating	ND	500	PASS
A3+A4+A5	Accessible substrate	ND	500	PASS
A6+A15+A16	Accessible substrate	ND	500	PASS
A8+A18	Accessible substrate	ND	500	PASS
A19+A20	Accessible substrate	ND	500	PASS

Method: The sample was digested with acid mixture and analyzed by Atomic Absorption Spectrophotometer / Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer.

Note: ND = Not Detected (Lab reporting limit: 10 mg/kg)
mg/kg = milligram per kilogram

2. Total Cadmium Content – Entry 23 of Annex XVII of European Regulation (EC) No 1907/2006, No 552/2009, No 494/2011, No 835/2012 and No 2016/217 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Former Known as Directive 91/338/EEC)

Test Item	Classification	Total Cadmium (Cd) (mg/kg)		Conclusion
		Result	Limit	
A1+A2	Paint on painted articles	ND	1000	PASS
A8+A18	Plastics	ND	100	PASS
A17	Plastics	ND	100	PASS
A19+A20	Paint on painted articles	ND	1000	PASS

Method: Plastic - EN 1122: 2001, Method B
Paint / Metal - Sample was digested with acid
The Cadmium content was analyzed Atomic Absorption Spectrophotometer / Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer.

Note: ND = Not Detected (Lab reporting limit: 10 mg/kg)
mg/kg = milligram per kilogram

3. Phenylmercury Compounds – Entry 62 of Annex XVII of European Regulation (EC) No 1907/2006 and No 552/2009 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Test Item	Result (%)		Conclusion
	Total Mercury (Hg)	Limit	
A1+A2	ND	0.01	PASS
A3+A4+A5	ND	0.01	PASS
A6+A15+A16	ND	0.01	PASS
A7	ND	0.01	PASS
A8+A18	ND	0.01	PASS
A17	ND	0.01	PASS
A19+A20	ND	0.01	PASS
A12+A13+A14	ND	0.01	PASS

Method: Sample was digested by acid and analyzed Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer.

Remark: The result is report as total mercury content.

Note: ND = Not Detected (Lab reporting limit: 0.001%)
mg/kg = milligram per kilogram

4. Flame Retardants Content – Entry 4, 7, 8 of Annex XVII of European Regulation (EC) No 1907/2006 and No 552/2009 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Former Known as Directive 79/663/EEC, 83/264/EEC and 2003/11/EC)

Test Item	Result (%)			Conclusion
	TRIS	TEPA	PBBs	
A8+A17+A18	ND	ND	ND	PASS
A20	ND	ND	ND	PASS
A12+A13+A14	ND	ND	ND	PASS
Limit	Usage Banned	Usage Banned	Usage Banned	-

List of Flame Retardants:

Chemical Name	CAS No.	Chemical Name	CAS No.
Tris-(2,3-dibromopropyl) phosphate (TRIS)	126-72-7	Polybrominated Biphenyls (PBBs)	59536-65-1
Tris-azirdinyl phosphinoxide (TEPA)	545-55-1	-	-

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

Note: ND = Not Detected (Lab reporting limit: 0.01%)
% = percentage

5. Flame Retardant Content – Entry 45 & 67 of Annex XVII of European Regulation (EC) No 1907/2006, No 552/2009 and No 2017/227 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Former Known as Directive 79/663/EEC, 83/264/EEC and 2003/11/EC)

Test Item	Result (%)		Conclusion
	OctaBDE	DecaBDE	
A8+A17+A18	ND	ND	PASS
A20	ND	ND	PASS
Limit	0.1	0.1	-

List of Flame Retardants:

Chemical Name	CAS No.	Chemical Name	CAS No.
Octabromodiphenyl ether (OctaBDE)	32536-52-0	Decabromodiphenyl ether (DecaBDE)	1163-19-5

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

Note: ND = Not Detected (Lab reporting limit: 0.01%)
% = percentage

6. Polycyclic Aromatic Hydrocarbons (PAHs) Content – Entry 50 of Annex XVII of European Regulation (EC) No 1907/2006, No 552/2009 and No 1272/2013 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Former Known as Directive 2005/69/EC)

Parameter	CAS No.	Unit	Result	Limit
			A8	
Benzo (a) pyrene	50-32-8	mg/kg	ND	0.5
Benzo (e) pyrene	192-97-2	mg/kg	ND	0.5
Benzo (a) anthracene	56-55-3	mg/kg	ND	0.5
Chrysen	218-01-9	mg/kg	ND	0.5
Benzo (b) fluoranthene	205-99-2	mg/kg	ND	0.5
Benzo (j) fluoranthene	205-82-3	mg/kg	ND	0.5
Benzo (k) fluoranthene	207-08-9	mg/kg	ND	0.5
Dibenzo (a,h) anthracene	53-70-3	mg/kg	ND	0.5
Conclusion			PASS	-

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

Note: ND = Not Detected (Lab reporting limit: 0.1 mg/kg)
mg/kg = milligram per kilogram

7. Organostannic Compounds (DBT, DOT and Tri-Substituted organostannic compounds) – Entry 20 of Annex XVII of European Regulation (EC) No 1907/2006, No 552/2009 and No. 276/2010 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (European Directive 2009/425/EC)

Test Item	Result (%)			Conclusion
	DBT	DOT	Tri-substituted Organotin compound	
A1+A2	ND	ND	ND	PASS
A8+A18	ND	ND	ND	PASS
A12+A13+A14	ND	ND	ND	PASS
A17	ND	ND	ND	PASS
A19+A20	ND	ND	ND	PASS
Limit (% by weight of tin)	0.1	0.1	0.1	-

Method: With Reference to ISO 17353

Note: ND = Not Detected (Lab reporting limit: 0.01%)
% = percentage

Remark: This list of Organotin compound is summarized in below table

List of Organotin compound			
Type	Name of Analyte	Type	Name of Analyte
I	Tri-substituted Organotin compound - Tripropyltin (TPT) - Tributyltin (TBT) - Trioctyl tin (TOT) - Triphenyltin (TPHT) - Tricyclohexyltin (TcyT)	II	Dibutyltin (DBT)
		III	Diocetyl tin (DOT)

List of sample type	
Type	Description
I	Articles, or part thereof, placed on the market after 1 July 2010
II	Mixtures of articles, or part thereof, placed on the market after 1 January 2012, except materials and articles regulated under Regulation (EC) No 1935/2004; and For the following mixtures or articles, or part thereof, placed on the market after 1 January 2015, one-component and two-component room temperature vulcanization sealants (RTV-1 and RTV-2 sealants) and adhesives paints and coatings containing DBT compounds as catalysts when applied on articles, soft polyvinyl chloride (PVC) profiles whether by themselves or coextruded with hard PVC, fabrics coated with PVC containing DBT compounds as stabilisers when intended for outdoor application, outdoor rainwater pipes, gutters and fittings, as well as covering material for roofing and facades.
III	Articles, or part thereof, placed on the market after 1 January 2012, - textile articles intended to come into contact with the skin, - gloves, - footwear or part of footwear intended to come into contact with the skin, - wall and floor coverings, - childcare articles,

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List of sample type	
Type	Description
	- female hygiene products, - nappies, - two-component room temperature vulcanization moulding kits (RTV-2 moulding kits)

8. Nonylphenol Ethoxylates and Nonylphenol Content – Entry 46 of Annex XVII of European Regulation (EC) No 1907/2006 and No 552/2009 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Former Known as Directive 2003/53/EC)

Test Item	Result (%)		Conclusion
	Nonylphenol ethoxylates (NPEO)	Nonylphenol (NP)	
A12+A13+A14	ND	ND	PASS
Limit	0.1	0.1	-

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

Note: ND = Not Detected (Lab reporting limit: NP: 0.001%, NPEO: 0.01%)
% = percentage

9. Dimethyl Fumarate Content – Entry 61 of Annex XVII of European Regulation (EC) No 1907/2006, No 552/2009 and No 412/2012 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Former Known as Directive 2009/251/EC)

Test Item	Dimethyl Fumarate [CAS No. 624-49-7] (mg/kg)		Conclusion
	Result	Limit	
A12	ND	0.1	PASS
A13	ND	0.1	PASS
A14	ND	0.1	PASS
P1	ND	0.1	PASS
P2	ND	0.1	PASS
P3	ND	0.1	PASS
P4	ND	0.1	PASS
P5	ND	0.1	PASS
P6	ND	0.1	PASS
P7	ND	0.1	PASS
P8	ND	0.1	PASS
P9	ND	0.1	PASS
P10	ND	0.1	PASS

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

Note: ND = Not Detected (Lab reporting limit: 0.1 mg/kg)
mg/kg = milligram per kilogram

10. Benzene Content – Entry 5 of Annex XVII of European Regulation (EC) No 1907/2006, No 552/2009 and No. 276/2010 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Test Item	Benzene [CAS No. 71-43-2] (mg/kg)		Conclusion
	Result	Limit	
A1	ND	5	PASS
A2	ND	5	PASS
A8	ND	5	PASS
A12	ND	5	PASS
A13	ND	5	PASS
A14	ND	5	PASS
A17	ND	5	PASS
A18	ND	5	PASS
A19	ND	5	PASS
A20	ND	5	PASS

Method: Sample was analyzed by Headspace Gas Chromatograph Mass Spectrometer.

Note: ND = Not Detected (Lab reporting limit: 5 mg/kg)
mg/kg = milligram per kilogram

11. Perfluorooctanic Acid (PFOA) and PFOA-Related Substances Content – Entry 68 of Annex XVII of European Regulation (EC) No 1907/2006, No 552/2009 and No 2017/1000 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH)

Test Item	Result (ppb)		Conclusion
	Perfluorooctanic Acid (PFOA)	Perfluorooctanic Acid (PFOA) – Related Substances	
A12	ND	ND	PASS
A13	ND	ND	PASS
Limit	25	1000 (Total)	-

List of PFOA Related Substances:

Chemical Name	CAS No.	Chemical Name	CAS No.
Pentadecafluorooctanoic acid (PFOA)	335-67-1	1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	Perfluoro(3,7-dimethyloctanoic acid) (PF-3,7-DMOA)	172155-07-6
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	-	-

Method: With reference to CEN/TS 15968. Sample was extracted with organic solvent and then analyzed by Liquid Chromatograph Mass Spectrometer / Gas Chromatograph Mass Spectrometer.

Note: ND = Not Detected (Lab reporting limit: 25ppb)
ppb = parts per billion

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Lot II-12, Street 19/5A, Tan Binh Industrial Park, TayThanh Ward, Tan Phu District, HCM City, Vietnam
Tel: (+84) 862896363 Fax: (+84) 862896262 Email: info@mtsvietnam.com.vn Website: www.mts-global.com

12. Phthalates Content – Entry 51 & 52 of Annex XVII of European Regulation (EC) No 1907/2006 and No 552/2009 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) (Former Known as Directive 2005/84/EC)

Test Item	Result (%) (Remark)									Conclusion
	Part A					Part B				
	DBP	BBP	DEHP	DIBP	Total	DNOP	DIDP	DINP	Total	
A1+A2	ND	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A8+A18	ND	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A19+A20	ND	ND	ND	ND	ND	ND	ND	ND	ND	PASS
Limit	-	-	-	-	0.1	-	-	-	0.1	-

List of Phthalates:

Chemical Name	CAS No.	Chemical Name	CAS No.
Dibutyl phthalate (DBP)	84-74-2	Di-n-octyl phthalate (DNOP)	117-84-0
Butyl benzyl phthalate (BBP)	85-68-7	Di-iso-decyl phthalate (DIDP)	26761-40-0/ 68515-49-1
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0
Di-iso-butyl phthalate (DIBP)	84-69-5	/	/

Method: 1) For plasticized or softened material on textile:
With reference to ISO 14389:2014.
2) For other polymeric material:
With reference to EN 14372:2004 Section 6.3.2.

Remark: Toys and childcare articles shall meet the requirement of Part A. Toys and childcare articles, which can be placed in mouth by the children, shall meet the requirements of both Part A and B.

Note: ND = Not Detected (Lab reporting limit: 0.005%)
% = percentage

13. Short Chain Chlorinated Paraffins (Alkanes C10-C13, Chloro) (SCCPs) Content – Commission Regulation (EU) 2015/2030 Amending Part B of Annex I of European Regulation (EC) No 850/2004 on Persistent Organic Pollutants

Test Item	SCCPs (C10-C13) (mg/kg)		Conclusion
	Result	Limit	
A1+A2	ND	1500	PASS
A8+A18	ND	1500	PASS
A12+A13+A14	ND	1500	PASS
A19+A20	ND	1500	PASS

Method: With Reference to ISO 18219

Note: ND = Not Detected (Lab reporting limit: 30 mg/kg)
mg/kg = milligram per kilogram

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14. Migration of Certain Elements – EN 71-3:2019

Category III: Scraped-off materials

Extractable Elements	Result (mg/kg)									Migration Limit (mg/kg)
Test Item	A1	A2	A4	A5	A6	A8	A9	A10	A11	-
Mass of Trace Amount (mg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
Aluminum (Al)	<10	<10	<10	<10	<10	<10	<10	<10	<10	70000
Antimony (Sb)	<10	<10	<10	<10	<10	<10	<10	<10	<10	560
Arsenic (As)	<10	<10	<10	<10	<10	<10	<10	<10	<10	47
Barium (Ba)	103	351	<10	<10	<10	<10	<10	<10	<10	18750
Boron (B)	<100	<100	<100	<100	<100	<100	<100	<100	<100	15000
Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	0.053
Cobalt (Co)	<10	<10	<10	<10	<10	<10	<10	<10	<10	130
Copper (Cu)	<10	<10	<10	<10	<10	<10	<10	<10	<10	7700
Lead (Pb)	<10	<10	<10	<10	<10	<10	<10	<10	<10	23
Manganese (Mn)	<10	<10	29	<10	<10	<10	<10	<10	<10	15000
Mercury (Hg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	94
Nickel (Ni)	<10	<10	<10	<10	<10	<10	<10	<10	<10	930
Selenium (Se)	<10	<10	<10	<10	<10	<10	<10	<10	<10	460
Strontium (Sr)	<10	<10	<10	<10	<10	<10	<10	<10	<10	56000
Tin (Sn)	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	180000
Organic Tin	<3	<3	<3	<3	<3	<3	<3	<3	<3	12
Zinc (Zn)	<10	<10	3012	263	54	21	19	<10	<10	46000
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	-

Extractable Elements	Result (mg/kg)									Migration Limit (mg/kg)
Test Item	A12	A13	A14	A15	A16	A17	A18	A19	A20	-
Mass of Trace Amount (mg)	NA	NA	NA	NA	NA	NA	NA	NA	NA	-
Aluminum (Al)	<10	<10	<10	<10	<10	<10	<10	<10	<10	70000
Antimony (Sb)	<10	<10	<10	<10	<10	<10	<10	<10	<10	560
Arsenic (As)	<10	<10	<10	<10	<10	<10	<10	<10	<10	47
Barium (Ba)	<10	<10	<10	<10	<10	<10	<10	<10	<10	18750
Boron (B)	<100	<100	<100	<100	<100	<100	<100	<100	<100	15000
Cadmium (Cd)	<5	<5	<5	<5	<5	<5	<5	<5	<5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	<0.053	0.053
Cobalt (Co)	<10	<10	<10	<10	<10	<10	<10	<10	<10	130
Copper (Cu)	<10	<10	<10	<10	<10	<10	<10	<10	<10	7700
Lead (Pb)	<10	<10	<10	<10	<10	<10	<10	<10	<10	23
Manganese (Mn)	<10	<10	<10	<10	121	<10	<10	<10	<10	15000
Mercury (Hg)	<10	<10	<10	<10	<10	<10	<10	<10	<10	94
Nickel (Ni)	<10	<10	<10	<10	<10	<10	<10	<10	<10	930
Selenium (Se)	<10	<10	<10	<10	<10	<10	<10	<10	<10	460
Strontium (Sr)	<10	<10	<10	<10	<10	<10	<10	<10	<10	56000
Tin (Sn)	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	<0.8	180000
Organic Tin	<3	<3	<3	<3	<3	<3	<3	<3	<3	12
Zinc (Zn)	<10	<10	<10	<10	3582	<10	<10	<10	<10	46000
Conclusion	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	PASS	-

Method: With reference to EN 71-3:2019. The heavy metals content was determined by Inductively Coupled Plasma Mass Spectrophotometer (ICP-MS).

For samples of migrated chromium content lower than migration limit of Chromium (VI), no speciation test for Chromium (III) and chromium (VI) were conducted. The results were derived from that of total chromium. For samples of migrated tin content calculated as tributyl tin lower than migration limit of organic tin, no organic tin test was conducted. The results were derived from that of Tin.

Remark: 1. The material categories of tested item(s) are classified as below per clause 4.1 of this standard.

Category I: Dry, brittle, power like or pliable materials
Compressed paint tablets, materials intended to leave a trace or similar materials in solid form appearing as such in the toy (e.g. the cores of colouring pencils, chalk, crayons)
Pliable modelling materials, including modelling clays and plaster
Category II: Liquid or sticky materials
Liquid paints, including finger paints, varnishes, lacquers, liquid ink in pens and similar materials in liquid form appearing as such in the toy (e.g. slimes, bubble solution)

Glue sticks
Category III: Scraped-off materials
Coatings of paints, varnishes, lacquers, printing inks, polymers, foams and similar coatings
Polymeric and similar materials, including laminates, whether textile reinforced or not, but excluding other textiles
Paper and paper board
Textiles, whether natural or synthetic
Glass, ceramic, metallic materials
Other materials whether mass coloured or not (e.g. wood, fibre board, hard board, bone and leather)

- Result(s) of organic tin reported was / were the sum of Methyltin (MeT), Butyltin (BuT), Dibutyltin (DBT), Tributyltin (TBT), Tetrabutyltin (TeBT), Monooctyltin (MOT), Di-n-octyltin (DOT), Di-n-propyltin (DProT), Diphenyltin (DPHT), Triphenyltin (TPHT) and Dimethyltin (DMT) expressed as TBT.
- The accessibility of the submitted sample is verified according to EN71-1 before and after abuse.

Note: mg/kg = milligram per kilogram
mg = milligram
"<" = less than
NA = Not applicable

15. 205 Substances of Very High Concern (SVHC) Test based on the SVHC Candidate List published by European Chemicals Agency (ECHA) on January 16, 2020 regarding Regulation (EC) no 1907/ 2006 concerning the REACH

Test Item	Detected Chemicals	Result (%)	Limit	Conclusion
A	-	ND	0.1	PASS
B	-	ND	0.1	PASS

Method: Sample was tested as composite mixture and extracted and digested with reference to US EPA 3051A, US EPA 8270D, EN ISO 17353 and analyzed by Inductively Coupled Argon Plasma Spectrometer, Inductively Coupled Plasma Mass Spectrometer, Liquid Chromatography Mass Spectrometer, Gas Chromatograph Mass Spectrometer and Gas Chromatograph Electron Capture Detector.

Note: ND = Not Detected (Lab reporting limit: 0.01%)
% = percentage

List of SVHC:

	Substance Name	CAS No.	EC No.
1	*Triethyl arsenate	15606-95-8	427-700-2
2	*Diarsenic pentaoxide	1303-28-2	215-116-9
3	*Diarsenic trioxide	1327-53-3	215-481-4
4	*Cobalt dichloride	7646-79-9	231-589-4
5	*Sodium dichromate	7789-12-0 10588-01-9	234-190-3
6	*Lead hydrogen arsenate	7784-40-9	232-064-2
7	Dibutyl phthalate (DBP)	84-74-2	201-557-4
8	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7
9	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	204-211-0
10	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4

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Substance Name		CAS No.	EC No.
11	Anthracene	120-12-7	204-371-1
12	4,4'- Diaminodiphenylmethane (MDA)	101-77-9	202-974-4
13	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	3194-55-6 25637-99-4 (134237-50-6) (134237-51-7) (134237-52-8)	247-148-4 and 221-695-9
14	# Bis(tributyltin)oxide (TBTO)	56-35-9	200-268-0
15	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5
16	2,4-Dinitrotoluene	121-14-2	204-450-0
17	^a Anthracene oil	90640-80-5	292-602-7
18	^a Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5
19	^a Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9
20	^a Anthracene oil, anthracene-low	90640-82-7	292-604-8
21	^a Anthracene oil, anthracene paste	90640-81-6	292-603-2
22	Diisobutyl phthalate	84-69-5	201-553-2
23	*Lead Chromate	7758-97-6	231-846-0
24	*Lead Chromate Molybdate Sulfate Red (C.I. Pigment Red 104)	12656-85-8	235-759-9
25	*Lead Sulfochromate Yellow (C.I. Pigment Yellow 34)	1344-37-2	215-693-7
26	Acrylamide	79-06-1	201-173-7
27	Tris(2-chloroethyl)phosphate	115-96-8	204-118-5
28	Coal tar pitch, high temperature	65996-93-2	266-028-2
29	Trichloroethylene	79-01-6	201-167-4
30	*Boric acid	10043-35-3 / 11113-50-1	233-139-2 / 234-343-4
31	*Disodium tetraborate, anhydrous	1330-43-4 12179-04-3 1303-96-4	215-540-4
32	*Tetraboron disodium heptaoxide, hydrate	12267-73-1	235-541-3
33	*Sodium chromate	7775-11-3	231-889-5
34	*Potassium chromate	7789-00-6	232-140-5
35	*Ammonium dichromate	7789-09-5	232-143-1
36	*Potassium dichromate	7778-50-9	231-906-6
37	*Cobalt (II) sulphate	10124-43-3	233-334-2
38	*Cobalt (II) dinitrate	10141-05-6	233-402-1
39	*Cobalt (II) carbonate	513-79-1	208-169-4
40	*Cobalt (II) diacetate	71-48-7	200-755-8
41	2-Methoxyethanol	109-86-4	203-713-7
42	2-Ethoxyethanol	110-80-5	203-804-1
43	*Chromium trioxide	1333-82-0	215-607-8
44	* Chromic acid, *Oligomers of chromic acid and dichromic acid, *Dichromic acid	7738-94-5 -- 13530-68-2	231-801-5 -- 236-881-5
45	2-ethoxyethyl acetate	111-15-9	203-839-2
46	*Strontium chromate	7789-06-2	232-142-6
47	1,2-Benzenedicarboxylic acid, di-C7-11- branched and linear alkyl esters (DHNUP)	68515-42-4	271-084-6
48	Hydrazine	7803-57-8 302-01-2	206-114-9
49	1-methyl-2-pyrrolidone	872-50-4	212-828-1
50	1,2,3-trichloropropane	96-18-4	202-486-1

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	Substance Name	CAS No.	EC No.
51	1,2-Benzenedicarboxylic acid, di-C6-8- branched alkyl esters, C7-rich (DIHP)	71888-89-6	276-158-1
52	*Zirconia Aluminosilicate Refractory Ceramic Fibres	--	--
53	*Calcium arsenate	7778-44-1	231-904-5
54	Bis(2-methoxyethyl) ether	111-96-6	203-924-4
55	*Aluminosilicate Refractory Ceramic Fibres	--	--
56	*Potassium hydroxyoctaoxodizincate dichromate	11103-86-9	234-329-8
57	*Lead dipicrate	6477-64-1	229-335-2
58	N,N-dimethylacetamide	127-19-5	204-826-4
59	*Arsenic acid	7778-39-4	231-901-9
60	2-Methoxyaniline / o-Anisidine	90-04-0	201-963-1
61	*Trilead diarsenate	3687-31-8	222-979-5
62	1,2-dichloroethane	107-06-2	203-458-1
63	*Pentazinc chromate octahydroxide	49663-84-5	256-418-0
64	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2
65	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1
66	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6
67	*Lead diazide, Lead azide	13424-46-9	236-542-1
68	*Lead styphnate	15245-44-0	239-290-0
69	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	202-918-9
70	Phenolphthalein	77-09-8	201-004-7
71	*Dichromium tris(chromate)	24613-89-6	246-356-2
72	1,2-bis(2-methoxyethoxy) ethane (TEGDME; triglyme)	112-49-2	203-977-3
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9
74	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2
75	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	90-94-8	202-027-5
76	[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	208-953-6
77	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl] methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6
78	*Diboron trioxide	1303-86-2	215-125-8
79	Formamide	75-12-7	200-842-0
80	*Lead(II) bis(methane sulfonate)	17570-76-2	401-750-5
81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2
82	[§] TGIC (1,3,5-tris (oxiranylmethyl) -1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3
83	[§] β-TGIC (1,3,5-tris [(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0
84	α,α-Bis[4-(dimethylamino) phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9
86	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2
87	Tricosafuorododecanoic acid	307-55-1	206-203-2
88	Henicosafuoroundecanoic acid	2058-94-8	218-165-4
89	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8
91	Cyclohexane-1,2-dicarboxylic anhydride ^[1] cis-cyclohexane-1,2-dicarboxylic anhydride ^[2] trans-cyclohexane-1,2-dicarboxylic anhydride ^[3] <i>[The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry].</i>	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9
92	Hexahydromethylphthalic anhydride ^[1] , Hexahydro-4-methylphthalic anhydride ^[2] ,	25550-51-0 19438-60-9	247-094-1 243-072-0

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Substance Name		CAS No.	EC No.
	Hexahydro-1-methylphthalic anhydride ^[3] , Hexahydro-3-methylphthalic anhydride ^[4] <i>[The individual isomers [2], [3] and [4] (including their cis- and trans-stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]</i>	48122-14-1 57110-29-9	256-356-4 260-566-1
93	4-Nonylphenol, branched and linear <i>[substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]</i>	--	--
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i>	--	--
95	Methoxyacetic acid	625-45-6	210-894-6
96	N,N-dimethylformamide	68-12-2	200-679-5
97	#Dibutyltin dichloride (DBTC)	683-18-1	211-670-0
98	*Lead monoxide (Lead oxide)	1317-36-8	215-267-0
99	*Orange lead (Lead tetroxide)	1314-41-6	215-235-6
100	*Lead bis(tetrafluoroborate)	13814-96-5	237-486-0
101	*Trilead bis(carbonate)dihydroxide	1319-46-6	215-290-6
102	*Lead titanium trioxide	12060-00-3	235-038-9
103	*Lead titanium zirconium oxide	12626-81-2	235-727-4
104	*Silicic acid, lead salt	11120-22-2	234-363-3
105	*Silicic acid (H ₂ SiO ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008]	68784-75-8	272-271-5
106	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0
107	Methyloxirane (Propylene oxide)	75-56-9	200-879-2
108	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2
109	Diisopentylphthalate (DIPP)	605-50-5	210-088-4
110	N-pentyl-isopentylphthalate	776297-69-9	--
111	1,2-diethoxyethane	629-14-1	211-076-1
112	*Acetic acid, lead salt, basic	51404-69-4	257-175-3
113	*Lead oxide sulfate	12036-76-9	234-853-7
114	*[Phthalato(2-)]dioxotrilead	69011-06-9	273-688-5
115	*Dioxobis(stearato)trilead	12578-12-0	235-702-8
116	*Fatty acids, C16-18, lead salts	91031-62-8	292-966-7
117	*Lead cyanamate	20837-86-9	244-073-9
118	*Lead dinitrate	10099-74-8	233-245-9
119	*Pentalead tetraoxide sulphate	12065-90-6	235-067-7
120	*Pyrochlore, antimony lead yellow	8012-00-8	232-382-1
121	*Sulfurous acid, lead salt, dibasic	62229-08-7	263-467-1
122	*Tetraethyllead	78-00-2	201-075-4
123	*Tetralead trioxide sulphate	12202-17-4	235-380-9
124	*Trilead dioxide phosphonate	12141-20-7	235-252-2
125	Furan	110-00-9	203-727-3
126	Diethyl sulphate	64-67-5	200-589-6
127	Dimethyl sulphate	77-78-1	201-058-1
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7
129	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7

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	Substance Name	CAS No.	EC No.
130	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8
131	4,4'-oxydianiline and its salts	101-80-4	202-977-0
132	4-aminoazobenzene	60-09-3	200-453-6
133	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	202-453-1
134	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1
135	Biphenyl-4-ylamine	92-67-1	202-177-1
136	o-aminoazotoluene [(4-o-tolylazo-o-toluidine)]	97-56-3	202-591-2
137	o-toluidine	95-53-4	202-429-0
138	N-methylacetamide	79-16-3	201-182-6
139	Cadmium	7440-43-9	231-152-8
140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9
142	Dipentyl phthalate (DPP)	131-18-0	205-017-9
143	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	--	--
144	*Cadmium oxide	1306-19-0	215-146-2
145	*Lead di(acetate)	301-04-2	206-104-4
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4
147	Trixylyl phosphate	25155-23-1	246-677-8
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	202-506-9
149	Diethyl phthalate	84-75-3	201-559-5
150	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38)	1937-37-7	217-710-3
151	*Cadmium sulphide	1306-23-6	215-147-8
152	*Cadmium chloride	10108-64-2	233-296-7
153	*Sodium peroxometaborate	7632-04-4	231-556-4
154	*Sodium perborate; perboric acid, sodium salt	--	239-172-9 234-390-0
155	1,2-Benzenedicarboxylic acid, diethyl ester, branched and linear	68515-50-4	271-093-5
156	*Cadmium fluoride	7790-79-6	232-222-0
157	*Cadmium sulphate	10124-36-4 31119-53-6	233-331-6
158	2-Benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6
159	2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8
160	2-Ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	-	-
162	1,2-benzenedicarboxylic acid, di-C6-10- alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of diethyl phthalate (EC No. 201-559-5)	68515-51-5 68648-93-1	271-094-0 272-013-1
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-secbutyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2] [covering any of the individual isomers of [1] and [2] or any combination there]	-	-

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	Substance Name	CAS No.	EC No.
164	Nitrobenzene	98-95-3	202-716-0
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(secbutyl) phenol (UV-350)	36437-37-3	253-037-1
167	1,3-propanesultone	1120-71-4	214-317-9
168	Perfluorononan-1-oicacid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3
169	Benzo[def]chrysene (benzo[a]pyrene)	50-32-8	200-028-5
170	4-tert-pentylphenol (PTAP)	80-46-6	201-280-9
171	4-heptylphenol, branched and linear (4-HPbl)	-	-
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2	206-400-3
173	4,4'-isopropylidenediphenol (Bisphenol A)	80-05-7	201-245-8
174	Perfluorohexane-1-sulphonic acid and its salts	-	-
175	Benz[a]anthracene	56-55-3 1718-53-2	200-280-6
176	Cadmium carbonate	513-78-0	208-168-9
177	Cadmium hydroxide	21041-95-2	244-168-5
178	Cadmium nitrate	10022-68-1 10325-94-7	233-710-6
179	Chrysene	218-01-9 1719-03-5	205-923-4
180	Dodecachloropentacyclo[12.2.1.16.9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"™)	-	-
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)	-	-
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride	552-30-7	209-008-0
183	Benzo[ghi]perylene	191-24-2	205-883-8
184	Decamethylcyclopentasiloxane	541-02-6	208-764-9
185	Dicyclohexyl phthalate	84-61-7	201-545-9
186	Disodium octaborate	12008-41-2	234-541-0
187	Dodecamethylcyclohexasiloxane	540-97-6	208-762-8
188	Ethylenediamine	107-15-3	203-468-6
189	Lead	7439-92-1	231-100-4
190	Octamethylcyclotetrasiloxane	556-67-2	209-136-7
191	Terphenyl, hydrogenated	61788-32-7	262-967-7
192	Pyrene	204-927-3	129-00-0; 1718-52-1
193	Phenanthrene	201-581-5	85-01-8
194	Fluoranthene	205-912-4	206-44-0; 93951-69-0
195	Benzo[k]fluoranthene	205-916-6	207-08-9
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	239-139-9	15087-24-8
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-- -- 3050-88-2	701-028-2; 247-759-6; 608-492-4
199	4-tert-butylphenol	202-679-0	98-54-4
200	2-methoxyethyl acetate	203-772-9	110-49-6
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides covering any of their individual isomers and combinations thereof	67118-55-2; 13252-13-6; 2062-98-8;	266-578-3; 236-236-8; 218-173-8;

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	Substance Name	CAS No.	EC No.
		62037-80-3	700-242-3
202	Perfluorobutane sulfonic acid (PFBS) and its salts	--	--
203	Diisohexyl phthalate	71850-09-4	276-090-2
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	400-600-6
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3

Remark:

- * - The concentration of list substances were calculated as selected element(s).
- # - The concentration of Bis(tributyltin) oxide TBTO and Dibutyltin dichloride DBTC were calculated based on Tributyltin, TBT and Dibutyltin, DBT amount in sample, respectively. The result covers TBTO with other salts of TBT and DBTC with other salts of DBT under current technologies. Further investigation is required to determine the exact amount of TBTO and DBTC in sample.
- a - The anthracene oil derivatives are complex and consists of variable compositions of Polycyclic Aromatic Hydrocarbons (PAHs) and Carbazoles. The amount of Anthracene oil derivatives are calculated by the composition of PAHs and Carbazoles found in sample.
- § - TGIC (1,3,5-tris (oxiranylmethyl) -1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) and β -TGIC (1,3,5-tris [(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione) are reported as a mixture.
- The chemical analysis of the Substance of Very High Concern is performed by currently available analytical techniques against the candidate list published by ECHA on July 16, 2019. This list was not finalized by ECHA and it may subject to change in the future.

16. Heavy Metals Content in Packaging and Packaging Waste – European Directive 94/62/EC and 2004/12/EC

Test Item	Result – Total Heavy Metals (mg/kg)					Conclusion
	Pb	Cd	Cr (VI)	Hg	Total	
P1+P2+P3	ND	ND	ND	ND	ND	PASS
P4+P5+P6	ND	ND	ND	ND	ND	PASS
P7+P8	ND	ND	ND	ND	ND	PASS
P9+P10	ND	ND	ND	ND	ND	PASS
Limit	-	-	-	-	100	-

Pb = Lead, Cd = Cadmium, Cr (VI) = Chromium (VI), Hg = Mercury

- Method:
- Pb, Cd & Hg: Sample was digested with nitric acid and then analyzed by Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer.
 - Cr(VI): Sample was digested with alkaline mixtures and then analyzed by UV-VIS spectrophotometer.

Note: ND = Not Detected (Lab reporting limit: 10 mg/kg)
mg/kg = milligram per kilogram

TEST RESULT(S):

1. EN71 Part 1: 2011+A3:2014, "Safety of toys – Part 1: Mechanical and physical properties"

AGE GRADE EVALUATION:

Client requested age grade: /

Labeled age grade: 3 to 10 years old

Appropriate age grade: /

Age grade for testing: 3 to 10 years old

RESULTS:

SUBCLAUSE	REQUIREMENT	RESULT
4	GENERAL REQUIREMENTS	P
4.1	Material cleanliness	P
4.2	Assembly	P
4.3	Flexible plastic sheeting	NA
4.4	Toy Bags	NA
4.5	Glass	NA
4.6	Expanding materials	NA
4.7	Edges	P
4.8	Points and metallic wires	P
4.9	Protruding parts	NA
4.10	Parts moving against each other	NA
4.11	Mouth-actuated toys and other toys intended to be put in the mouth	NA
4.12	Balloons	NA
4.13	Cords of toy kites and other flying toys	NA
4.14	Enclosures	NA
4.15	Toys intended to bear the mass of a child	P
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 a non-electrical heat source	NA
4.22	Small balls	NA
4.23	Magnets	NA
4.24	Yo-yo balls	NA
4.25	Toys attached to food	NA
5	TOYS INTENDED FOR CHILDREN UNDER 36 MONTHS	NA
5.1	General requirements	NA
5.2	Soft-filled toys and soft-filled parts of a toy	NA
5.3	Plastic sheeting	NA
5.4	Cords, chains and electrical cables in toys	NA
5.5	Liquid-filled toys	NA

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SUBCLAUSE	REQUIREMENT	RESULT
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
6	PACKAGING	P
7	WARNING, MARKINGS AND INSTRUCTION FOR USE	P
7.1	General	P
7.2	Toys not intended for children under 36 months	P
7.3	Latex balloons	NA
7.4	Aquatic toys	NA
7.5	Functional toys	NA
7.6	Hazardous sharp functional edges and points	NA
7.7	Projectiles	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 intended to be attached to or strung across a cradle, cot, or perambulator	NA
7.12	Liquid-filled tethers	NA
7.13	Percussion caps specifically designed for use in toys	NA
7.14	Acoustics	NA
7.15	Toy bicycles	NA
7.16	Toys intended to bear the mass of a child	NA
7.17	Toys comprising monofilament fibres	NA
7.18	Toy Scooters	NA
7.19	Rocking horse and similar toys	NA
7.20	Magnetic/electrical experimental sets	NA
7.21	Toys with electrical cables exceeding 300mm in length	NA
7.22	Toys with cords or chains intended for children of 18 months and over but under 36 months	NA
7.23	Toys intended to be attached to a cradle, cot or perambulator	NA
7.24	Sledges with cords for pulling	NA
7.25	Flying toys	NA
7.25.1	Flying toys	NA
7.25.2	Remote controlled flying toys	NA
7.26	Improvised projectiles	NA

Note: P = Pass

F = Fail

NA = Not applicable

NR = Not Requested

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2. BS EN 71-2:2011 + A1:2014 SAFETY OF TOYS (FLAMMABILITY)

Sub-clause	Requirement	Result(s)	Remark(s)
4.1	General	P	
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	P/ F/ NA/ NR
4.4	Toys intended to be entered by a child	P	<i>Note: If the material has non-identical surfaces, both sides shall be tested.</i>
4.5	Soft-filled toys	NA	

NOTE: P = Pass F = Fail NA = Not Applicable NR = Not Requested
NT = Not Tested

3. EN71-8 Safety of toys. Activity toys for domestic use

Subclause	Requirement	Result(s)
4	General	P
4.1.1	Assembly	P
4.1.2	Static strength	P
4.1.3	Maximum height	P
4.1.4	Corners and edges	NA
4.1.5	Protruding parts	P
4.1.6	Diameter of ropes and other means of suspension	NA
4.1.7	Water accumulation	NA
4.2	Barriers, handrails, ladder and similar means of access to activity toy	NA
4.2.1	Barriers, handrails preventing a child from falling down.	NA
4.2.2	Ladders and similar means of access to activity toys	P
4.3	Entrapment	P
4.3.1	Entrapment of head and neck	P
4.3.2	Entrapment of clothing and hair	NA
4.3.3	Entrapment of feet	P
4.3.4	Entrapment of fingers	P
4.4	Stability of activity toys other than slides, swings and activity toys with crossbeams, and see-saws.	P
4.4.1	General	P
4.4.2	Stability of activity toys with a free height of fall of 600mm or less	NA
4.4.3	Stability of activity toys with a free height of more than 600mm	P
4.5	Slides	NA
4.5.2	Stability of slides	NA
4.5.3	Retaining slides for slides	NA
4.5.4	Starting, sliding and run-out sections on slides	NA
4.6	Swings	NA
4.6.1	Stability of swings and other activity toys with crossbeams	NA
4.6.1.1	General	NA

Subclause	Requirement	Result(s)
4.6.1.2	Swings and other activity toys with crossbeams more than 1200mm over the ground	NA
4.6.1.3	Swings and other activity toys with crossbeams 1200 mm or less above the ground	NA
4.6.2	Static strength of crossbeams, swing devices and suspension connectors	NA
4.6.3	Swings intended for children under 36 months	NA
4.6.4	Minimum clearance between adjacent swing elements, and adjacent structures	NA
4.6.5	Lateral stability of swing elements	NA
4.6.6	Minimum clearance between swing elements and the ground	NA
4.6.7	Suspension connectors and swing devices	NA
4.6.8	Impact, geometry and design of swing elements	NA
4.6.8.1	General	NA
4.6.8.2	Impact form swing elements	NA
4.6.8.3	Geometry and design of swing elements	NA
4.6.8.4	Falling protection of swings with double seats	NA
4.7	See-saws	NA
4.7.1	Stability of see-saws	NA
4.7.2	Seat/stand height	NA
4.7.3	Restraint of motion	NA
4.7.4	Pinching and crushing of fingers and toes	NA
4.7.5	Hand supports	NA
4.8	Carousels and rocking activity toys	NA
4.9	Paddling pools	NA
4.9.1	Static strength of paddling pools with non-inflatable walls	NA
4.9.2	Paddling pools with inflatable walls	NA
5	Warnings, markings, and instructions	P
5.1	Warnings and markings	P
5.1.1	General	P
5.1.2	Paddling pools	NA
5.2	Assembly and installation instructions	P
5.3	Maintenance	P

NOTE:

P = Pass

F = Fail

NA = Not Applicable

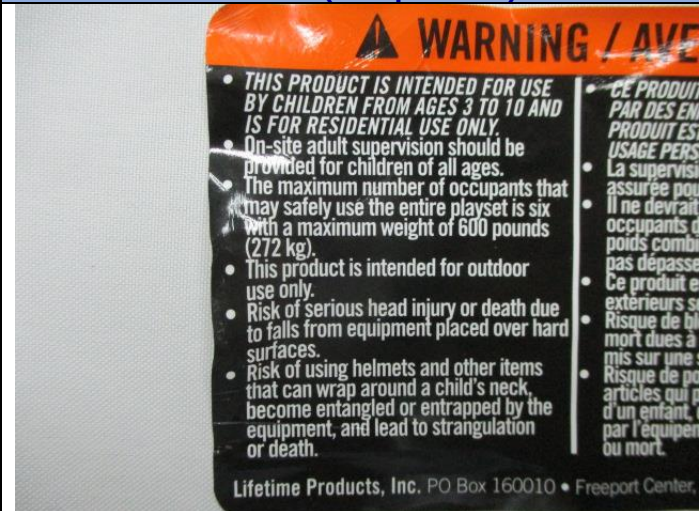
NR = Not Requested

NT = Not Tested

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EXHIBIT(S):

Exhibit 1 (Sample view)	Exhibit 2 (Sample view)
	
Exhibit 3 (Sample view)	Exhibit 4 (Label on product)
	
Exhibit 5 (Sample view)	Exhibit 6 (Label on product)
	

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Exhibit 7 (Sample view)



Exhibit 8 (Label on product)



Exhibit 9 (Label on product)



Exhibit 10 (Label on product)



Exhibit 11 (Packaging)

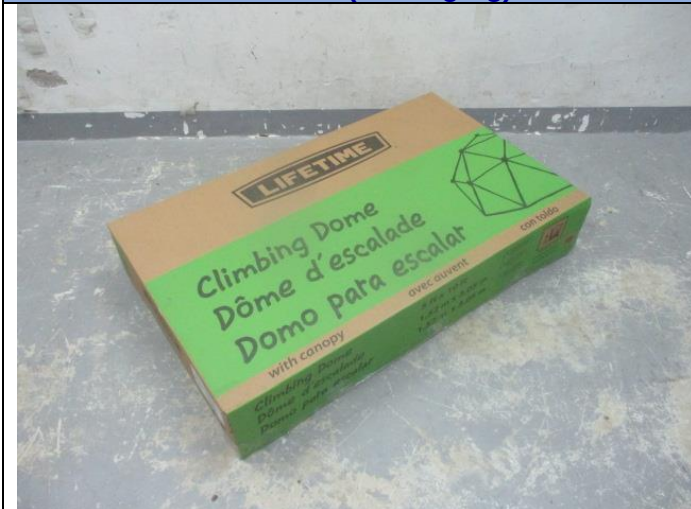


Exhibit 12 (Labeling information)



Exhibit 13 (Labeling information)



Exhibit 14 (Labeling information)

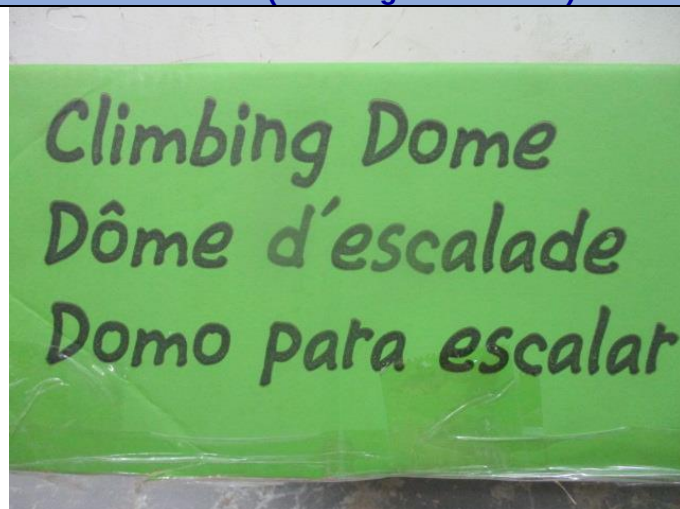


Exhibit 15 (Labeling information)

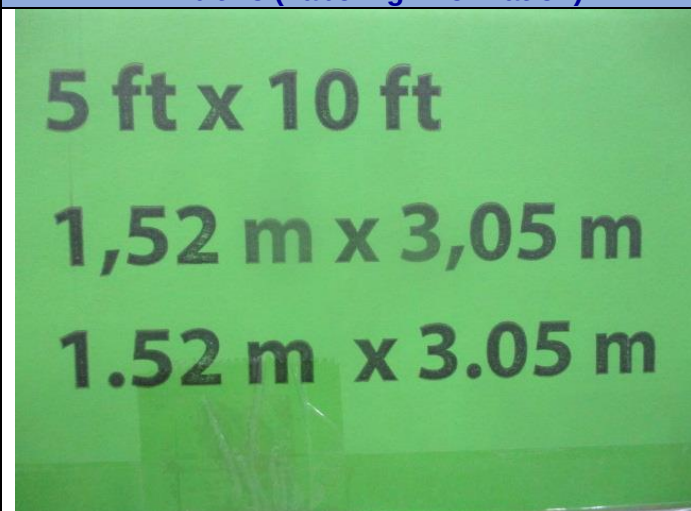


Exhibit 16 (Labeling information)



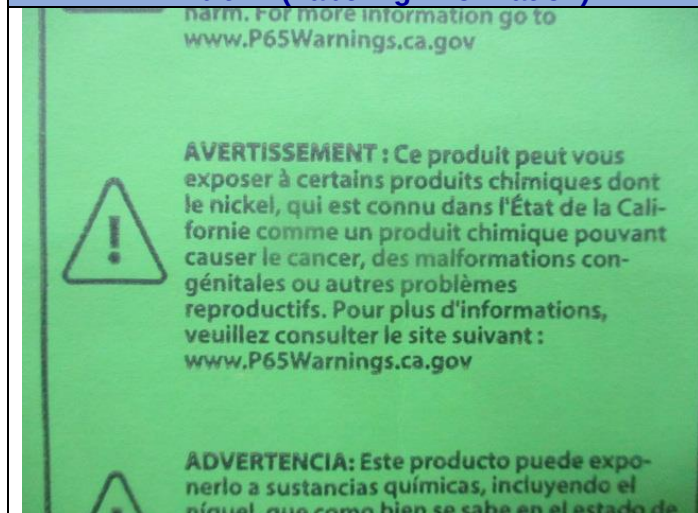
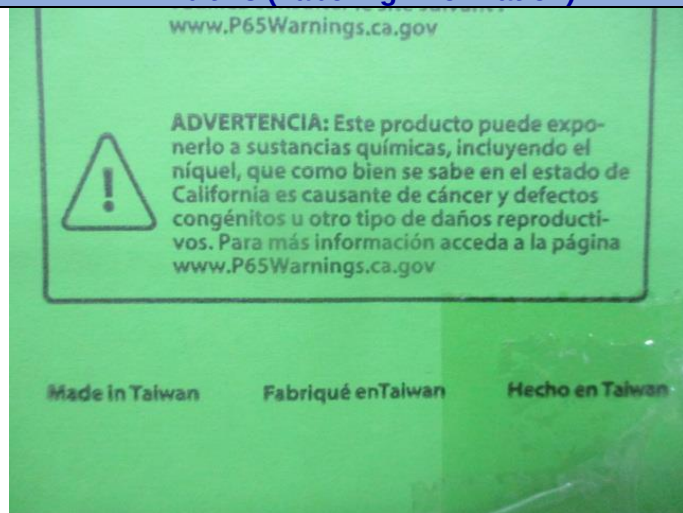
Exhibit 17 (Labeling information)

Exhibit 18 (Labeling information)

Exhibit 19 (Labeling information)

Exhibit 20 (Labeling information)

Exhibit 21 (Labeling information)

Exhibit 22 (Labeling information)


Exhibit 23 (Labeling information)



Exhibit 24 (Labeling information)



Exhibit 25 (Labeling information)



Exhibit 26 (Labeling information)



Exhibit 27 (Labeling information)



Exhibit 28 (Labeling information)



Exhibit 29 (Labeling information)

Exhibit 30 (Labeling information)

76120-050199 (A) 
 GW: 50.6 kgs
 NW: 45.6 kgs
 AMAZON.COM ASIN# B004K0Q8LG
 QUANTITY: 1 PC
 AMAZON.COM PO# 8UCAHPDB
 DESTINATION: LGB1-LONG BEACH, CA
 C/NO. 344 OF 344





TEST REPORT

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Report Number: **76120-050199 Revised 1**

NOTE:

If there is question or concern regarding the above results, please contact the appropriate lab person below:

Technical questions:

Primary Contact: Allen Hsu

Tel: +84-28-6289-6363 Ext: 127

Email: allenhsu@mts-global.com

Back-up Contact: Harry Vu

Tel: +84-28-6289-6363 Ext: 175

Email: harryvu@mts-global.com

Concerns About Billing and General Inquiries:

Primary Contact: Vincent Pham

Tel: +84-28-6289-6363 Ext: 114

Email: vincentpham@mts-global.com

Back-up Contact: Sophia Nguyen

Tel: +84-28-6289-6363 Ext: 107

Email: sophianguyen@mts-global.com

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Tel: (+84) 862896363 Fax: (+84) 862896262 Email: info@mtsvietnam.com.vn Website: www.mts-global.com