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Applicant : 台州市泰燕秋千有限公司 TAIZHOU TAIYAN SWING CO., LTD.
Contact Person : 郭单安
Sample Description : 秋千
Style Number : NA
Color : NA
Material Type : NA
P. O. / Order No : NA
Quantity : NA
Age Grade : NA
Buyer : NA
Supplier : NA
Country of Origin : NA
Country of Destination : NA
Date of Submission : Oct 28,2024
Test Performance Dates : Oct 28,2024~Nov 15,2024

Photo of Submitted Sample



For and on behalf of
Modern Testing Services (Dongguan) Limited



Carol Ke, Chemical Senior Manager

Modern Testing Services (Dongguan) Limited

No.76, Liang Ping Lu, Xin Jiu Wei Cun, Liaobu, Dongguan, Guangdong, China
Tel: (86) 769 8112 0818 Fax: (86) 769 8112 0815

东莞现代产品整理服务有限公司

广东省东莞市寮步镇新旧围村良平路 76 号

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TEST RESULT SUMMARY	
Test Requested	Results
Total Lead Content – U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 101	PASS
Total Lead Content in Paint or Similar Surface Coating – U.S. CPSC 16 CFR 1303	PASS
Heavy Metals Content in Paint or Similar Surface Coating Materials and Substrate Materials – ASTM F963-23 Section 4.3.5.1 & 4.3.5.2	PASS
Total Lead Content	
Soluble Heavy Metals Content	
Phthalates Content – 16CFR part 1307, amended U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 108	PASS
Phthalates Content in Toys (including pacifiers, rattles, and teething rings) – ASTM F963-23 Section 4.3.8	PASS
Total Lead Content – Canada Consumer Product Safety Act – Consumer Products Containing Lead Regulations (SOR/2018-83)	PASS
Total Lead Content – Canada Consumer Product Safety Act – Surface Coating Materials Regulation SOR/2016-193 with Amendment SOR/2022-122	PASS
Total Mercury Content – Canada Consumer Product Safety Act - Surface Coating Materials Regulation SOR/2016-193 with Amendment SOR/2022-122	Not applicable
Phthalates Content – Canada Consumer Product Safety Act – Phthalates Regulations, SOR/2016-188	PASS
Migration of Certain Elements – EN 71-3:2019 + A1:2021	PASS
Total Lead Content – Entry 63 of Annex XVII of European Regulation (EC) No 1907/2006 and EU 2015/628 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended	PASS
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) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended	PASS
Phthalates Content – Entry 51 & 52 of Annex XVII of European Regulation (EC) No. 1907/2006, No. 552/2009 and No.2018/2005 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended	PASS
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) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended	PASS
Short Chain Chlorinated Paraffins (Alkanes C10-C13, Chloro) (SCCPs) Content – Regulation (EU) No 2019/1021 of The European Parliament And of The Council Of 20 June 2019 On Persistent Organic Pollutants	PASS
242 Substances of Very High Concern (SVHC) Test based on the SVHC Candidate List published by European Chemicals Agency (ECHA) on November 7, 2024 regarding Regulation (EC) no 1907/ 2006 concerning the REACH	PASS

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COMPONENT BREAKDOWN LIST:

Test Item	Component Description
A	Product
A1	Grey blue coating (Surface of bat)
A2	Green coating (Surface of bat)
A3	Green plastic (Telescope)
A4	Transparent plastic (Telescope)
A5	Dark yellow plastic (Telescope)
A6	Grey blue plastic (Steering wheel)
A7	Yellow plastic (Steering wheel)
A8	Blue plastic (Steering wheel)
A9	Green plastic (Steering wheel)
A10	Green plastic (Slider)
A11	Black plastic (Connector)
A12	Black plastic (Casing pipe)
A13	Grey blue plastic (Jacket of chain / triangle ring)
A14	Green plastic (Jacket of chain / triangle ring)
A15	Deep blue plastic (Jacket of chain)
A16	Grey plastic (Jacket of chain)
A17	Yellow plastic (Jacket of chain)
A18	Black plastic (End of bat)
A19	Black plastic (Nut)
A20	Grey blue plastic (Swing)
A21	Green plastic (Swing)
A22	Yellow plastic (Swing)
A23	Black plastic (Eyelet of swing)
A24	Yellow plastic (Eyelet of swing)
A25	Grey blue plastic (Cap)
A26	Yellow plastic (Cap)
A27	Green plastic (Cap)
A28	Blue plastic (Cap)
A29	Yellow plastic (Rock)
A30	Red plastic (Rock)
A31	Green plastic (Rock)
A32	Deep blue plastic (Rock)
A33	Light brown plastic (String)
A34	Black plastic (Connector of string)
A35	Black plastic (Hook)
A36	Silvery metal (Chain)
A37	Silvery metal (End of chain)
A38	Silvery metal (Triangle ring of bat)
A39	Silvery metal (8 axle)
A40	Silvery metal (Gasket of 8 axle)

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Test Item	Component Description
A41	Silvery metal (Excluding coating) (Bat)
A42	Silvery metal (9 axle)
A43	Silvery metal (Nut)
A44	Silvery metal (8 hook)
A45	Silvery metal with blue coating (O ring shaft)
A46	Silvery metal (Main body of snap hook)
A47	Silvery metal (Switch of snap hook)
A48	Silvery metal (Axle of snap hook)
A49	Bright silvery metal (Chain)

TEST RESULT:

1. Total Lead Content – U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 101

Test Item	Accessibility (Remark 1)	Classification	Total Lead (Pb) (ppm)		Conclusion
			Result	Limit	
A1+A2	Accessible as received	Paint or similar surface coating	ND	90	PASS
A3+A4+A5	Accessible as received	Accessible substrate	ND	100	PASS
A6+A7+A8	Accessible as received	Accessible substrate	ND	100	PASS
A9+A10+A11	Accessible as received	Accessible substrate	ND	100	PASS
A12+A13+A14	Accessible as received	Accessible substrate	ND	100	PASS
A15+A16+A17	Accessible as received	Accessible substrate	ND	100	PASS
A18+A19+A20	Accessible as received	Accessible substrate	ND	100	PASS
A21+A22+A23	Accessible as received	Accessible substrate	ND	100	PASS
A24+A25+A26	Accessible as received	Accessible substrate	ND	100	PASS
A27+A28+A29	Accessible as received	Accessible substrate	ND	100	PASS
A30+A31+A32	Accessible as received	Accessible substrate	ND	100	PASS
A33+A34+A35	Accessible as received	Accessible substrate	ND	100	PASS
A36+A37+A38	Accessible as received	Accessible substrate	ND	100	PASS

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Test Item	Accessibility (Remark 1)	Classification	Total Lead (Pb) (ppm)		Conclusion
			Result	Limit	
A39+A40+A41	Accessible as received	Accessible substrate	ND	100	PASS
A42+A43+A44	Accessible as received	Accessible substrate	ND	100	PASS
A45+A46	Accessible as received	Accessible substrate	ND	100	PASS
A47+A48+A49	Accessible as received	Accessible substrate	ND	100	PASS

ND = Not Detected (Laboratory Reporting Limit = 10mg/kg)

Method:

- Lead in paint and other similar surface coatings:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, February 25, 2011 (CPSC-CH-E1003-09.1)
- Lead in metals:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry), November 15, 2012 (CPSC-CH-E1001-08.3)
- Lead in other non-metal materials including plastics, glass and leather material:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products, November 15, 2012 (CPSC-CH-E1002-08.3)

Remark:

- The accessibility of the submitted sample is verified according to 16 CFR 1500.87 (e) before and after abuse.

Note: ppm = part per million = mg/kg (milligram per kilogram)
"≤" = less than

2. Total Lead Content in Paint or Similar Surface Coating – U.S. CPSC 16 CFR 1303

Test Item	Accessibility (Remark 1)	Classification	Total Lead (Pb) (ppm)		Conclusion
			Result	Limit	
A1+A2	Accessible as received	Paint or similar surface coating	ND	90	PASS

ND = Not Detected (Laboratory Reporting Limit = 10 ppm)

Method:

- Lead in paint and other similar surface coatings:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Lead (Pb) in Paint and Other Similar Surface Coatings, February 25, 2011 (CPSC-CH-E1003-09.1)
- Lead in metals:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Total Lead (Pb) in Children's Metal Products (Including Children's Metal Jewelry), November 15, 2012 (CPSC-CH-E1001-08.3)
- Lead in other non-metal materials including plastics, glass and leather material:
The test is conducted according to the US CPSC Standard Operating Procedure for Determining Total Lead (Pb) in Non-Metal Children's Products, November 15, 2012 (CPSC-CH-E1002-08.3)

Remark:

- The accessibility of the submitted sample is verified according to 16 CFR 1500.87 (e) before and after abuse.

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Note: ppm = part per million = mg/kg (milligram per kilogram)
“<” = less than

3. Heavy Metals Content in Paint or Similar Surface Coating Materials and Substrate Materials – ASTM F963-23 Section 4.3.5.1 & 4.3.5.2

A.Total Lead Content

Test Item	Classification	Result (mg/kg)	Limit (mg/kg)	Conclusion
A1+A2	Paint or similar surface coating	ND	90	PASS
A3+A4+A5	Accessible substrate	ND	100	PASS
A6+A7+A8	Accessible substrate	ND	100	PASS
A9+A10+A11	Accessible substrate	ND	100	PASS
A12+A13+A14	Accessible substrate	ND	100	PASS
A15+A16+A17	Accessible substrate	ND	100	PASS
A18+A19+A20	Accessible substrate	ND	100	PASS
A21+A22+A23	Accessible substrate	ND	100	PASS
A24+A25+A26	Accessible substrate	ND	100	PASS
A27+A28+A29	Accessible substrate	ND	100	PASS
A30+A31+A32	Accessible substrate	ND	100	PASS
A33+A34+A35	Accessible substrate	ND	100	PASS
A36+A37+A38	Accessible substrate	ND	100	PASS
A39+A40+A41	Accessible substrate	ND	100	PASS
A42+A43+A44	Accessible substrate	ND	100	PASS
A45+A46	Accessible substrate	ND	100	PASS
A47+A48+A49	Accessible substrate	ND	100	PASS

ND = Not Detected (Laboratory Reporting Limit = 10 mg/kg)

Method:

- 1) Lead in paint and other similar surface coatings: The test is conducted according to CPSC-CH-E1003-09.1
- 2) Lead in metals: The test is conducted according to CPSC-CH-E1001-08.3
- 3) Lead in other non-metal materials including plastics, glass and leather material: The test is conducted according to CPSC-CH-E1002-08.3

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Test Item	Mass of Trace Amount (mg)	Result – Soluble Heavy Metals (mg/kg) (Remark 1)								Conclusion
		Sb	As	Ba	Cd	Cr	Pb	Hg	Se	
A1	40.0	ND	ND	317	ND	ND	ND	ND	ND	PASS
A2	59.1	ND	ND	27	ND	ND	ND	ND	ND	PASS
A3	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A4	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A5	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A6	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A7	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A8	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A9	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A10	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A11	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A12	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A13	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A14	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A15	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A16	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A17	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A18	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A19	38.5	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A20	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A21	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A22	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A23	80.7	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A24	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A25	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A26	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A27	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A28	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A29	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A30	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A31	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A32	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A33	85.2	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A34	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS

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Test Item	Mass of Trace Amount (mg)	Result – Soluble Heavy Metals (mg/kg) (Remark 1)								Conclusion
		Sb	As	Ba	Cd	Cr	Pb	Hg	Se	
A35	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
Limit for Surface Coatings and Substrates Other Than Modeling Clay		60	25	1000	75	60	90	60	500	-
Limit for Modeling Clays		60	25	250	50	25	90	25	500	-

Sb = Antimony, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Pb = Lead, Hg = Mercury, Se = Selenium

ND = Not Detected (Laboratory Reporting Limit = 10 mg/kg)

Method: ASTM F963-23 Section 8.3.2 - 8.3.5. The heavy metals content was determined by Inductively Coupled Argon Plasma Spectrometer.

Remark: 1. All the reported results are adjusted analytical results with the analytical correction shown in the following table.

Element	Sb	As	Ba	Cd	Cr	Pb	Hg	Se
Analytical correction (%)	60	60	30	30	30	30	50	60

- The accessibility of the submitted sample is verified according to ASTM F963-23 before and after abuse.
- The received sample(s) contained component(s) of less than 10mg on one single sample, therefore such component(s) was not tested for soluble heavy metals content as specified in clause 8.3.3.6 (2) / 8.3.5.3 (2) of this standard.

Note: mg/kg = milligram per kilogram
mg = milligram
“<” = less than

4. Phthalates Content – 16CFR part 1307, amended U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 108

Test Item	Result – Phthalates Content (%)								Conclusion
	DBP	BBP	DEHP	DIBP	DCHP	DINP	DnHP/ DHEXP	DPP/ DPENP	
A1+A2	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A3+A4+A5	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A6+A7+A8	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A9+A10+A11	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A12	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A13+A14	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A15+A16+A17	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A18+A19+A20	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A21+A22+A23	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A24+A25+A26	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A27+A28+A29	ND	ND	ND	ND	ND	ND	ND	ND	PASS

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Test Item	Result – Phthalates Content (%)								Conclusion
	DBP	BBP	DEHP	DIBP	DCHP	DINP	DnHP/DHEXP	DPP/DPENP	
A30+A31+A32	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A33+A34+A35	ND	ND	ND	ND	ND	ND	ND	ND	PASS
Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-

ND = Not Detected (Laboratory Reporting Limit = 0.005%)

List of Phthalates:

Chemical Name	CAS No.	Chemical Name	CAS No.
Dibutyl phthalate (DBP)	84-74-2	Dicyclohexyl phthalate (DCHP)	84-61-7
Butyl benzyl phthalate (BBP)	85-68-7	Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3
Di-iso-butyl phthalate (DIBP)	84-69-5	Dipentyl phthalate (DPP/DPENP)	131-18-0

Method: The test is conducted according to the US CPSC Standard Operation Procedure for Determination of Phthalates, January 17, 2018 (CPSC-CH-C1001-09.4)

Note: % = percentage
“<” = less than
“>” = more than

5. Phthalates Content in Toys (including pacifiers, rattles, and teethers) – ASTM F963-23 Section 4.3.8

Test Item	Result – Phthalates Content (%)								Conclusion
	DBP	BBP	DEHP	DIBP	DCHP	DINP	DnHP/DHEXP	DPP/DPENP	
A1+A2	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A3+A4+A5	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A6+A7+A8	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A9+A10+A11	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A12	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A13+A14	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A15+A16+A17	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A18+A19+A20	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A21+A22+A23	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A24+A25+A26	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A27+A28+A29	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A30+A31+A32	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A33+A34+A35	ND	ND	ND	ND	ND	ND	ND	ND	PASS

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Test Item	Result – Phthalates Content (%)								Conclusion
	DBP	BBP	DEHP	DIBP	DCHP	DINP	DnHP/DHEXP	DPP/DPENP	
Limit	0.1	0.1	0.1	0.1	0.1	0.1	0.1	0.1	-

ND = Not Detected (Laboratory Reporting Limit = 0.005%)

List of Phthalates:

Chemical Name	CAS No.	Chemical Name	CAS No.
Dibutyl phthalate (DBP)	84-74-2	Dicyclohexyl phthalate (DCHP)	84-61-7
Butyl benzyl phthalate (BBP)	85-68-7	Di-iso-nonyl phthalate (DINP)	28553-12-0/ 68515-48-0
Di-2-ethylhexyl phthalate (DEHP)	117-81-7	Di-n-hexyl phthalate (DnHP/DHEXP)	84-75-3
Di-iso-butyl phthalate (DIBP)	84-69-5	Dipentyl phthalate (DPP/DPENP)	131-18-0

Method: The test is conducted according to the US CPSC Standard Operation Procedure for Determination of Phthalates, January 17, 2018 (CPSC-CH-C1001-09.4)

Note: % = percentage
 “<” = less than
 “>” = more than

6. Total Lead Content – Canada Consumer Product Safety Act – Consumer Products Containing Lead Regulations (SOR/2018-83)

Test Item	Total Lead (Pb) (mg/kg)		Conclusion
	Result	Limit	
A1+A2	ND	90	PASS
A3+A4+A5	ND	90	PASS
A6+A7+A8	ND	90	PASS
A9+A10+A11	ND	90	PASS
A12+A13+A14	ND	90	PASS
A15+A16+A17	ND	90	PASS
A18+A19+A20	ND	90	PASS
A21+A22+A23	ND	90	PASS
A24+A25+A26	ND	90	PASS
A27+A28+A29	ND	90	PASS
A30+A31+A32	ND	90	PASS
A33+A34+A35	ND	90	PASS
A36+A37+A38	ND	90	PASS
A39+A40+A41	ND	90	PASS
A42+A43+A44	ND	90	PASS

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Test Item	Total Lead (Pb) (mg/kg)		Conclusion
	Result	Limit	
A45+A46	ND	90	PASS
A47+A48+A49	ND	90	PASS

ND = Not detected (Laboratory Reporting Limit = 10 mg/kg)

Method: Sample was digested with nitric acid and analyzed by Atomic Absorption Spectrophotometer / Inductively Coupled Plasma Mass Spectrometer.

Note: mg/kg = milligram per kilogram
“<” = less than**7. Total Lead Content – Canada Consumer Product Safety Act – Surface Coating Materials Regulation SOR/2016-193 with Amendment SOR/2022-122**

Test Item	Total Lead (Pb) (mg/kg)		Conclusion
	Result	Limit	
A1+A2	ND	90	PASS

ND = Not Detected (Laboratory Reporting Limit = 10mg/kg)

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

Note: mg/kg = milligram per kilogram
“<” = less than**8. Total Mercury Content – Canada Consumer Product Safety Act - Surface Coating Materials Regulation SOR/2016-193 with Amendment SOR/2022-122**

Remark: Not applicable for the submitted sample.

9. Phthalates Content – Canada Consumer Product Safety Act – Phthalates Regulations, SOR/2016-188

Test Item	Result (%) (Remark)						Conclusion
	Part A			Part B			
	DBP	BBP	DEHP	DNOP	DIDP	DINP	
A13+A14	ND	ND	ND	ND	ND	ND	PASS
A15+A16+A17	ND	ND	ND	ND	ND	ND	PASS
Limit	0.1	0.1	0.1	0.1	0.1	0.1	-

ND = Not Detected (Laboratory Reporting Limit = 0.005%)

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

Modern Testing Services (Dongguan) Limited

No.76, Liang Ping Lu, Xin Jiu Wei Cun, Liaobu, Dongguan, Guangdong, China
Tel: (86) 769 8112 0818 Fax: (86) 769 8112 0815

东莞现代产品整理服务有限公司

广东省东莞市寮步镇新旧围村良平路 76 号

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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

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

Remark: The vinyl in a toy or child care article shall meet the requirement of Part A. The vinyl in any part of a toy or child care article that can be placed in the mouth of a child under four years of age shall meet the requirements of both Part A and B.

Note: % = percentage
"≤" = less than
">" = more than

10. Migration of Certain Elements – EN 71-3:2019 + A1-2021

Category III: Scraped-off materials

Extractable Elements	Result (mg/kg)					Migration Limit (mg/kg)
Test Item	A1	A2	A3	A4	A5	-
Mass of Trace Amount (mg)	40.0	59.1	NA	NA	NA	-
Aluminum (Al)	<100	<100	<100	<100	<100	28130
Antimony (Sb)	<10	<10	<10	<10	<10	560
Arsenic (As)	<10	<10	<10	<10	<10	47
Barium (Ba)	317	27	<10	<10	<10	18750
Boron (B)	<100	<100	<100	<100	<100	15000
Cadmium (Cd)	<5	<5	<5	<5	<5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Cobalt (Co)	<10	<10	<10	<10	<10	130
Copper (Cu)	<10	<10	<10	<10	<10	7700
Lead (Pb)	<10	<10	<10	<10	<10	23
Manganese (Mn)	12	<10	<10	<10	<10	15000
Mercury (Hg)	<10	<10	<10	<10	<10	94
Nickel (Ni)	<10	<10	<10	<10	<10	930
Selenium (Se)	<10	<10	<10	<10	<10	460
Strontium (Sr)	<100	<100	<100	<100	<100	56000
Tin (Sn)	<2.5	<2.5	<2.5	<2.5	<2.5	180000
Organic Tin	<3	<3	<3	<3	<3	12
Zinc (Zn)	403	1633	<100	<100	<100	46000
Conclusion	PASS	PASS	PASS	PASS	PASS	-

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Extractable Elements	Result (mg/kg)					Migration Limit (mg/kg)
Test Item	A6	A7	A8	A9	A10	-
Mass of Trace Amount (mg)	NA	NA	NA	NA	NA	-
Aluminum (Al)	<100	<100	<100	<100	<100	28130
Antimony (Sb)	<10	<10	<10	<10	<10	560
Arsenic (As)	<10	<10	<10	<10	<10	47
Barium (Ba)	<10	<10	<10	<10	<10	18750
Boron (B)	<100	<100	<100	<100	<100	15000
Cadmium (Cd)	<5	<5	<5	<5	<5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Cobalt (Co)	<10	<10	<10	<10	<10	130
Copper (Cu)	<10	<10	<10	<10	<10	7700
Lead (Pb)	<10	<10	<10	<10	<10	23
Manganese (Mn)	<10	<10	<10	<10	<10	15000
Mercury (Hg)	<10	<10	<10	<10	<10	94
Nickel (Ni)	<10	<10	<10	<10	<10	930
Selenium (Se)	<10	<10	<10	<10	<10	460
Strontium (Sr)	<100	<100	<100	<100	<100	56000
Tin (Sn)	<2.5	<2.5	<2.5	<2.5	<2.5	180000
Organic Tin	<3	<3	<3	<3	<3	12
Zinc (Zn)	<100	<100	<100	<100	<100	46000
Conclusion	PASS	PASS	PASS	PASS	PASS	-

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Extractable Elements	Result (mg/kg)					Migration Limit (mg/kg)
Test Item	A11	A12	A13	A14	A15	-
Mass of Trace Amount (mg)	NA	NA	NA	NA	NA	-
Aluminum (Al)	<100	<100	<100	<100	<100	28130
Antimony (Sb)	<10	<10	<10	<10	<10	560
Arsenic (As)	<10	<10	<10	<10	<10	47
Barium (Ba)	<10	<10	<10	<10	<10	18750
Boron (B)	<100	<100	<100	<100	<100	15000
Cadmium (Cd)	<5	<5	<5	<5	<5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Cobalt (Co)	<10	<10	<10	<10	<10	130
Copper (Cu)	<10	<10	<10	<10	<10	7700
Lead (Pb)	<10	<10	<10	<10	<10	23
Manganese (Mn)	<10	<10	<10	<10	<10	15000
Mercury (Hg)	<10	<10	<10	<10	<10	94
Nickel (Ni)	<10	<10	<10	<10	<10	930
Selenium (Se)	<10	<10	<10	<10	<10	460
Strontium (Sr)	<100	<100	<100	<100	<100	56000
Tin (Sn)	<2.5	<2.5	<2.5	<2.5	<2.5	180000
Organic Tin	<3	<3	<3	<3	<3	12
Zinc (Zn)	<100	<100	<100	<100	<100	46000
Conclusion	PASS	PASS	PASS	PASS	PASS	-

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Extractable Elements	Result (mg/kg)					Migration Limit (mg/kg)
Test Item	A16	A17	A18	A19	A20	-
Mass of Trace Amount (mg)	NA	NA	NA	38.5	NA	-
Aluminum (Al)	<100	<100	<100	<100	<100	28130
Antimony (Sb)	<10	<10	<10	<10	<10	560
Arsenic (As)	<10	<10	<10	<10	<10	47
Barium (Ba)	<10	<10	<10	<10	<10	18750
Boron (B)	<100	<100	<100	<100	<100	15000
Cadmium (Cd)	<5	<5	<5	<5	<5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Cobalt (Co)	<10	<10	<10	<10	<10	130
Copper (Cu)	<10	<10	<10	<10	<10	7700
Lead (Pb)	<10	<10	<10	<10	<10	23
Manganese (Mn)	<10	<10	<10	<10	<10	15000
Mercury (Hg)	<10	<10	<10	<10	<10	94
Nickel (Ni)	<10	<10	<10	<10	<10	930
Selenium (Se)	<10	<10	<10	<10	<10	460
Strontium (Sr)	<100	<100	<100	<100	<100	56000
Tin (Sn)	<2.5	<2.5	<2.5	<2.5	<2.5	180000
Organic Tin	<3	<3	<3	<3	<3	12
Zinc (Zn)	<100	<100	<100	<100	<100	46000
Conclusion	PASS	PASS	PASS	PASS	PASS	-

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Extractable Elements	Result (mg/kg)					Migration Limit (mg/kg)
Test Item	A21	A22	A23	A24	A25	-
Mass of Trace Amount (mg)	NA	NA	80.7	NA	NA	-
Aluminum (Al)	<100	<100	<100	<100	<100	28130
Antimony (Sb)	<10	<10	<10	<10	<10	560
Arsenic (As)	<10	<10	<10	<10	<10	47
Barium (Ba)	<10	<10	<10	<10	<10	18750
Boron (B)	<100	<100	<100	<100	<100	15000
Cadmium (Cd)	<5	<5	<5	<5	<5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Cobalt (Co)	<10	<10	<10	<10	<10	130
Copper (Cu)	<10	<10	<10	<10	<10	7700
Lead (Pb)	<10	<10	<10	<10	<10	23
Manganese (Mn)	<10	<10	<10	<10	<10	15000
Mercury (Hg)	<10	<10	<10	<10	<10	94
Nickel (Ni)	<10	<10	<10	<10	<10	930
Selenium (Se)	<10	<10	<10	<10	<10	460
Strontium (Sr)	<100	<100	<100	<100	<100	56000
Tin (Sn)	<2.5	<2.5	<2.5	<2.5	<2.5	180000
Organic Tin	<3	<3	<3	<3	<3	12
Zinc (Zn)	<100	<100	<100	<100	<100	46000
Conclusion	PASS	PASS	PASS	PASS	PASS	-

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Extractable Elements	Result (mg/kg)					Migration Limit (mg/kg)
Test Item	A26	A27	A28	A29	A30	-
Mass of Trace Amount (mg)	NA	NA	NA	NA	NA	-
Aluminum (Al)	<100	<100	<100	<100	<100	28130
Antimony (Sb)	<10	<10	<10	<10	<10	560
Arsenic (As)	<10	<10	<10	<10	<10	47
Barium (Ba)	<10	<10	<10	<10	<10	18750
Boron (B)	<100	<100	<100	<100	<100	15000
Cadmium (Cd)	<5	<5	<5	<5	<5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Cobalt (Co)	<10	<10	<10	<10	<10	130
Copper (Cu)	<10	<10	<10	<10	<10	7700
Lead (Pb)	<10	<10	<10	<10	<10	23
Manganese (Mn)	<10	<10	<10	<10	<10	15000
Mercury (Hg)	<10	<10	<10	<10	<10	94
Nickel (Ni)	<10	<10	<10	<10	<10	930
Selenium (Se)	<10	<10	<10	<10	<10	460
Strontium (Sr)	<100	<100	<100	<100	<100	56000
Tin (Sn)	<2.5	<2.5	<2.5	<2.5	<2.5	180000
Organic Tin	<3	<3	<3	<3	<3	12
Zinc (Zn)	<100	<100	<100	<100	<100	46000
Conclusion	PASS	PASS	PASS	PASS	PASS	-

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Extractable Elements	Result (mg/kg)					Migration Limit (mg/kg)
Test Item	A31	A32	A33	A34	A35	-
Mass of Trace Amount (mg)	NA	NA	85.2	NA	NA	-
Aluminum (Al)	<100	<100	<100	<100	<100	28130
Antimony (Sb)	<10	<10	<10	<10	<10	560
Arsenic (As)	<10	<10	<10	<10	<10	47
Barium (Ba)	<10	<10	<10	<10	<10	18750
Boron (B)	<100	<100	<100	<100	<100	15000
Cadmium (Cd)	<5	<5	<5	<5	<5	17
Chromium (III) (Cr III)	<10	<10	<10	<10	<10	460
Chromium (VI) (Cr VI)	<0.025	<0.025	<0.025	<0.025	<0.025	0.053
Cobalt (Co)	<10	<10	<10	<10	<10	130
Copper (Cu)	<10	<10	<10	<10	<10	7700
Lead (Pb)	<10	<10	<10	<10	<10	23
Manganese (Mn)	<10	<10	<10	<10	<10	15000
Mercury (Hg)	<10	<10	<10	<10	<10	94
Nickel (Ni)	<10	<10	<10	<10	<10	930
Selenium (Se)	<10	<10	<10	<10	<10	460
Strontium (Sr)	<100	<100	<100	<100	<100	56000
Tin (Sn)	<2.5	<2.5	<2.5	<2.5	<2.5	180000
Organic Tin	<3	<3	<3	<3	<3	12
Zinc (Zn)	<100	<100	<100	<100	<100	46000
Conclusion	PASS	PASS	PASS	PASS	PASS	-

Method: With reference to EN 71-3:2019 + A1-2021. The heavy metals content was determined by Inductively Coupled Plasma Mass Spectrophotometer (ICP-MS) or Inductively Coupled Plasma Optical Emission Spectrometry (ICP-OES).

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)

Modern Testing Services (Dongguan) Limited

No.76, Liang Ping Lu, Xin Jiu Wei Cun, Liaobu, Dongguan, Guangdong, China
Tel: (86) 769 8112 0818 Fax: (86) 769 8112 0815

东莞现代产品整理服务有限公司

广东省东莞市寮步镇新旧围村良平路 76 号

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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.
- The received sample(s) contained component(s) of less than 10mg on one single sample, therefore such component(s) was not tested for extractable heavy metals content as specified in clause 7.1 of this standard.

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

11. Total Lead Content – Entry 63 of Annex XVII of European Regulation (EC) No 1907/2006 and EU 2015/628 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended

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+A7+A8	Accessible substrate	ND	500	PASS
A9+A10+A11	Accessible substrate	ND	500	PASS
A12+A13+A14	Accessible substrate	ND	500	PASS
A15+A16+A17	Accessible substrate	ND	500	PASS
A18+A19+A20	Accessible substrate	ND	500	PASS
A21+A22+A23	Accessible substrate	ND	500	PASS
A24+A25+A26	Accessible substrate	ND	500	PASS
A27+A28+A29	Accessible substrate	ND	500	PASS
A30+A31+A32	Accessible substrate	ND	500	PASS
A33+A34+A35	Accessible substrate	ND	500	PASS
A36+A37+A38	Accessible substrate	ND	500	PASS

Modern Testing Services (Dongguan) Limited

No.76, Liang Ping Lu, Xin Jiu Wei Cun, Liaobu, Dongguan, Guangdong, China
Tel: (86) 769 8112 0818 Fax: (86) 769 8112 0815

东莞现代产品整理服务有限公司

广东省东莞市寮步镇新旧围村良平路 76 号

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Test Item	Classification	Total Lead (Pb) (mg/kg)		Conclusion
		Result	Limit	
A39+A40+A41	Accessible substrate	ND	500	PASS
A42+A43+A44	Accessible substrate	ND	500	PASS
A45+A46	Accessible substrate	ND	500	PASS
A47+A48+A49	Accessible substrate	ND	500	PASS

ND = Not Detected (Laboratory Reporting Limit = 10mg/kg)

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: mg/kg = milligram per kilogram
 "<" = less than

12. 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) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended

Test Item	Classification	Total Cadmium (Cd) (mg/kg)		Conclusion
		Result	Limit	
A1+A2	Paint on painted articles	ND	1000	PASS
A3+A4+A5	Plastics	ND	100	PASS
A6+A7+A8	Plastics	ND	100	PASS
A9+A10+A11	Plastics	ND	100	PASS
A12+A13+A14	Plastics	ND	100	PASS
A15+A16+A17	Plastics	ND	100	PASS
A18+A19+A20	Plastics	ND	100	PASS
A21+A22+A23	Plastics	ND	100	PASS
A24+A25+A26	Plastics	ND	100	PASS
A27+A28+A29	Plastics	ND	100	PASS
A30+A31+A32	Plastics	ND	100	PASS
A33+A34+A35	Plastics	ND	100	PASS

ND = Not Detected (Laboratory Reporting Limit = 10mg/kg)

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: mg/kg = milligram per kilogram
 "<" = less than

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13. Phthalates Content – Entry 51 & 52 of Annex XVII of European Regulation (EC) No. 1907/2006, No. 552/2009 and No.2018/2005 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended

Test Item	Result (%)									Conclusion
	Part A					Part B				
	DBP	BBP	DEHP	DIBP	Total	DNOP	DIDP	DINP	Total	
A1+A2	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A3+A4+A5	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A6+A7+A8	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A9+A10+A11	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A12	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A13+A14	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A15+A16+A17	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A18+A19+A20	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A21+A22+A23	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A24+A25+A26	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A27+A28+A29	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A30+A31+A32	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A33+A34+A35	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	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 14389:2022.
2) For other polymeric material:
With reference to EN 14372:2004 Section 6.3.2.

Note: % = percentage
“<” = less than
“>” = more than

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14. 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) & The REACH etc. (Amendment etc.) (EU Exit) Regulations 2019 (S.I. 2019 No. 758) as amended

Parameter	CAS No.	Unit	Result			Limit
			A3+A4+A5	A6+A7+A8	A9+A10+A11	
Benzo (a) pyrene	50-32-8	mg/kg	ND	ND	ND	0.5
Benzo (e) pyrene	192-97-2	mg/kg	ND	ND	ND	0.5
Benzo (a) anthracene	56-55-3	mg/kg	ND	ND	ND	0.5
Chrysen	218-01-9	mg/kg	ND	ND	ND	0.5
Benzo (b) fluoranthene	205-99-2	mg/kg	ND	ND	ND	0.5
Benzo (j) fluoranthene	205-82-3	mg/kg	ND	ND	ND	0.5
Benzo (k) fluoranthene	207-08-9	mg/kg	ND	ND	ND	0.5
Dibenzo (a,h) anthracene	53-70-3	mg/kg	ND	ND	ND	0.5
Conclusion			PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Result				Limit
			A12+A13+A14	A15+A16+A17	A18+A19+A20	A21+A22+A23	
Benzo (a) pyrene	50-32-8	mg/kg	ND	ND	ND	ND	0.5
Benzo (e) pyrene	192-97-2	mg/kg	ND	ND	ND	ND	0.5
Benzo (a) anthracene	56-55-3	mg/kg	ND	ND	ND	ND	0.5
Chrysen	218-01-9	mg/kg	ND	ND	ND	ND	0.5
Benzo (b) fluoranthene	205-99-2	mg/kg	ND	ND	ND	ND	0.5
Benzo (j) fluoranthene	205-82-3	mg/kg	ND	ND	ND	ND	0.5
Benzo (k) fluoranthene	207-08-9	mg/kg	ND	ND	ND	ND	0.5
Dibenzo (a,h) anthracene	53-70-3	mg/kg	ND	ND	ND	ND	0.5
Conclusion			PASS	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Result				Limit
			A24+A25+A26	A27+A28+A29	A30+A31+A32	A33+A34+A35	
Benzo (a) pyrene	50-32-8	mg/kg	ND	ND	ND	ND	0.5
Benzo (e) pyrene	192-97-2	mg/kg	ND	ND	ND	ND	0.5
Benzo (a) anthracene	56-55-3	mg/kg	ND	ND	ND	ND	0.5
Chrysen	218-01-9	mg/kg	ND	ND	ND	ND	0.5
Benzo (b) fluoranthene	205-99-2	mg/kg	ND	ND	ND	ND	0.5

Modern Testing Services (Dongguan) Limited

No.76, Liang Ping Lu, Xin Jiu Wei Cun, Liaobu, Dongguan, Guangdong, China
Tel: (86) 769 8112 0818 Fax: (86) 769 8112 0815

东莞现代产品整理服务有限公司

广东省东莞市寮步镇新旧围村良平路 76 号

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Parameter	CAS No.	Unit	Result				Limit
			A24+A25+ A26	A27+A28+ A29	A30+A31+ A32	A33+A34+ A35	
Benzo (j) fluoranthene	205-82-3	mg/kg	ND	ND	ND	ND	0.5
Benzo (k) fluoranthene	207-08-9	mg/kg	ND	ND	ND	ND	0.5
Dibenzo (a,h) anthracene	53-70-3	mg/kg	ND	ND	ND	ND	0.5
Conclusion			PASS	PASS	PASS	PASS	-

ND = Not Detected (Laboratory Reporting Limit = 0.1mg/kg)

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

Note: mg/kg = milligram per kilogram
“<” = less than**15. Short Chain Chlorinated Paraffins (Alkanes C10-C13, Chloro) (SCCPs) Content – Regulation (EU) No 2019/1021 of The European Parliament And of The Council Of 20 June 2019 On Persistent Organic Pollutants**

Test Item	SCCPs (C10-C13) (mg/kg)		Conclusion
	Result	Limit	
A13+A14+A15	ND	1500	PASS
A16+A17+A33	ND	1500	PASS
A20+A21+A22	ND	1500	PASS

ND = Not Detected (Laboratory Reporting Limit = 50mg/kg)

Method: With Reference to ISO 18219-1: 2021

Note: mg/kg = milligram per kilogram
“<” = less than**16. 242 Substances of Very High Concern (SVHC) Test based on the SVHC Candidate List published by European Chemicals Agency (ECHA) on November 7, 2024 regarding Regulation (EC) no 1907/ 2006 concerning the REACH**

Test Item	Detected Chemicals	Result (%)	Limit	Conclusion
A1+A2	-	ND	0.1	PASS
A3+A5	-	ND	0.1	PASS
A4	4-tert-butylphenol	0.058	0.1	PASS
A6+A7+A8	-	ND	0.1	PASS
A9+A10+A11	-	ND	0.1	PASS
A12	-	ND	0.1	PASS
A13+A14	-	ND	0.1	PASS

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Test Item	Detected Chemicals	Result (%)	Limit	Conclusion
A15	Triphenyl phosphate	0.020	0.1	PASS
A16	Triphenyl phosphate	0.016	0.1	PASS
A15+A16+A17	-	ND	0.1	PASS
A18+A19+A20	-	ND	0.1	PASS
A21+A22+A23	-	ND	0.1	PASS
A24+A25+A26	-	ND	0.1	PASS
A27+A28+A29	-	ND	0.1	PASS
A30+A31+A32	-	ND	0.1	PASS
A33+A34+A35	-	ND	0.1	PASS
A36+A37+A38	-	ND	0.1	PASS
A39+A40+A41	-	ND	0.1	PASS
A42+A43+A44	-	ND	0.1	PASS
A45+A46	-	ND	0.1	PASS
A47+A48+A49	-	ND	0.1	PASS

ND = Not Detected (Laboratory Reporting Limit = 0.01%)

Method: Sample was digested with acid mixture and analyzed by Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer / Sample was extracted with organic solvent and then analyzed by Gas Chromatograph Mass Spectrometer / Liquid Chromatograph Mass Spectrometer / Gas Chromatograph Electron Capture Detector / Ultraviolet-visible spectroscopy / Sample was analyzed by Headspace Gas Chromatograph Mass Spectrometer

Note: % = percentage
“<” = less than

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
11	Anthracene	120-12-7	204-371-1

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	Substance Name	CAS No.	EC No.
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

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Tel: (86) 769 8112 0818 Fax: (86) 769 8112 0815

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	Substance Name	CAS No.	EC No.
50	1,2,3-trichloropropane	96-18-4	202-486-1
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	^s TGIC (1,3,5-tris (oxiranylmethyl) -1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3
83	^s 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]	85-42-7	201-604-9

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	Substance Name	CAS No.	EC No.
	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>	13149-00-3 14166-21-3	236-086-3 238-009-9
92	Hexahydromethylphthalic anhydride ^[1] , Hexahydro-4-methylphthalic anhydride ^[2] , 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>	25550-51-0 19438-60-9 48122-14-1 57110-29-9	247-094-1 243-072-0 256-356-4 260-566-1
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 Si ₂ O 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 cyanamidate	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

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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
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	Dihexyl 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, dihexyl 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

Modern Testing Services (Dongguan) Limited

No.76, Liang Ping Lu, Xin Jiu Wei Cun, Liaobu, Dongguan, Guangdong, China
Tel: (86) 769 8112 0818 Fax: (86) 769 8112 0815

东莞现代产品整理服务有限公司

广东省东莞市寮步镇新旧围村良平路 76 号

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	Substance Name	CAS No.	EC No.
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 dihexyl 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]	-	-
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

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	Substance Name	CAS No.	EC No.
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 $\geq$ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--	--
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	-	-
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
206	1-vinylimidazole	1072-63-5	214-012-0
207	2-methylimidazole	693-98-1	211-765-7
208	butyl 4-hydroxybenzoate	94-26-8	202-318-7
209	*Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	245-152-0
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	205-594-7
211	*Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	-	-
212	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers	-	-
213	*Orthoboric acid, sodium salt	13840-56-7	237-560-2
214	2,2-bis(bromomethyl) Propane1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/ 3-bromo-2, 2-bis (bromomethyl)-1- propanol (TBNPA) 2,3-dibromo-1- propanol (2,3-DBPA)	3296-90-0 36483-57-5 1522-92-5 96-13-9	221-967-7 253-057-0 202-480-9
215	Glutaral	111-30-8	203-856-5
216	Medium-chain chlorinated paraffins (MCCP) (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17)	-	-
217	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerization, covering any individual isomers and/ or combinations thereof (PDDP)	-	-
218	1,4-dioxane	123-91-1	204-66-8
219	4,4'-(1methylpropylidene) bisphenol	77-40-7	201-025-1
220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	204-327-1
221	Tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0
222	($\pm$)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	-	-
223	S-(tricyclo(5.2.1.0 ^{2,6})deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	401-850-9
224	N-(hydroxymethyl)acrylamide	924-42-5	213-103-2

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	Substance Name	CAS No.	EC No.
225	Reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	-	473-390-7
226	Perfluoroheptanoic acid and its salts	-	-
227	Melamine	108-78-1	203-615-4
228	Isobutyl 4-hydroxybenzoate	4247-02-3	224-208-8
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-
230	Barium diboron tetraoxide	13701-59-2	237-222-4
231	4,4'-sulphonyldiphenol (BPS)	80-09-1	201-250-5
232	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	201-236-9
233	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	253-692-3
234	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	278-355-8
235	Bis(4-chlorophenyl) sulphone	80-07-9	201-247-9
236	2,4,6-tri-tert-butylphenol	732-26-3	211-989-5
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	221-573-5
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	438-340-0
239	Bumetrizole (UV-326)	3896-11-5	223-445-4
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol Phenol, methylstyrenated (EC No.: 270-966-8, CAS No.: 68512-30-1)	-	700-960-7
241	Bis(α,α-dimethylbenzyl) peroxide (Dicumyl peroxide)	80-43-3	201-279-3
242	Triphenyl phosphate	115-86-6	204-112-2

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 derivates are complex and consists of variable compositions of Polycyclic Aromatic Hydrocarbons (PAHs) and Carbazoles. The amount of Anthracene oil derivates are calculated by the composition of PAHs and Carbazoles found in sample.
- § - TGIC (1,3,5-tris (oxiranylethyl)-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 November 7, 2024. This list was not finalized by ECHA and it may subject to change in the future.

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****End of Test Report****

NOTE:

Test uncertainties not reported are at client's disposal, for those in which it is possible to evaluate or estimate the test uncertainty. The statement of conformity is based on a 95% coverage probability for the expanded uncertainty of the measured result (guard band):

Rule 1:

For any requirement state to be "Maximum"

PASS - The measured result is below a specification limit minus guard band.

INCONCLUSIVE - The measured result is inside the guard band and below the specification limit and the measured result is above the specification limit but below the specification limit added to the guard band.

FAIL - The measured result is above a specification limit added to the guard band.

DATA - There is no specification limit required which is not possible to state the conformity.

Rule 2:

For any requirement state to be "Minimum"

PASS - The measured result is above a specification limit plus guard band.

INCONCLUSIVE - The measured result is inside the guard band and above the specification limit and the measured result is below the specification limit but above the specification limit added to the guard band.

FAIL - The measured result is below a specification limit minus guard band.

DATA - There is no specification limit required which is not possible to state the conformity.

Rule 3:

For any requirement state to be "a range (Between Upper to Lower specification limit)"

PASS - The measured result is within a range of upper and lower acceptance limit.

INCONCLUSIVE - The measured result is inside the guard band at either side of specification limits

FAIL - The measured result is outside a specification limit minus/added to the guard band.

DATA - There is no specification limit required which is not possible to state the conformity.

Rule 4:

For any test based on subjective grading of results by using 9-point scale

PASS - The measured result is above specification limit.

FAIL - The measured result is below a specification limit.

DATA - There is no specification limit required which is not possible to state the conformity.

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

General question & concern:

Sophia Li
Customer Service Coordinator
(86)769 8112 0818 Ext.739
Sophia.Li@cpt.eurofinscn.com

Technical question & concern:

Carol Ke
Analytical Manager
(86)769 8112 0818 Ext.725
Carol.Ke@cpt.eurofinscn.com

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