LAB LOCATION:	**DONG GUAN**	**ISSUE DATE:**	**Sep 14, 2023**
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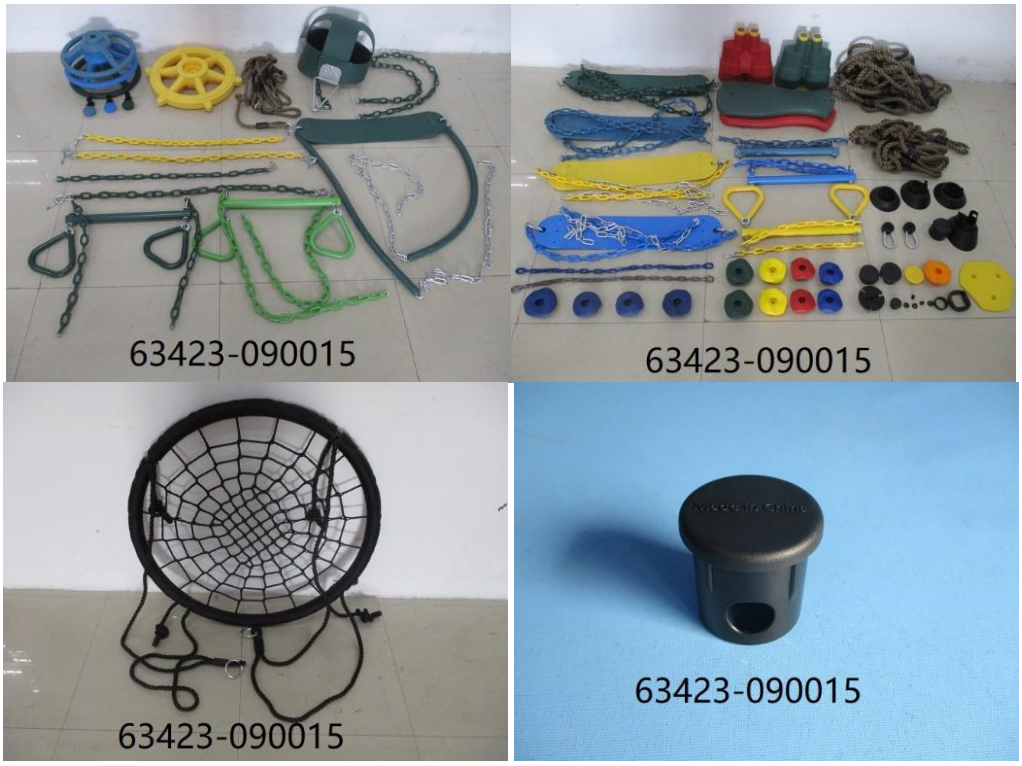
Applicant	:	台州市泰燕秋千有限公司 TAIZHOU TAIYAN SWING CO., LTD.
Contact Person	:	Nancy Liang
Sample Description	:	秋千
Style Number	:	NA
Color	:	NA
Material Type	:	NA
P. O. / Order No	:	NA
Quantity	:	NA
Age Grade	:	NA
Buyer	:	NA
Supplier	:	NA
Country of Origin	:	NA
Country of Destination	:	NA
Date of Submission	:	Sep 04,2023
Test Performance Dates	:	Sep 04,2023~Sep 14,2023
Addendum Reason	:	Add A68 Test

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

Carol Ke, Chemical Senior Manager

Photo of Submitted Sample



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TEST RESULT SUMMARY	
Test Requested	**Results**
Total Lead Content in Paint or Similar Surface Coating – U.S. CPSC 16 CFR 1303	**PASS**
Total Lead Content – U.S. Consumer Product Safety Improvement Act of 2008 (CPSIA), Title I, Section 101	**PASS**
Total Lead Content – Canada Consumer Product Safety Act – Surface Coating Materials Regulation SOR/2016-193 with Amendment SOR/2022-122	**PASS**
Total Heavy Metal Screening in Similar Surface Coating Materials and Toys Substrate Materials – ASTM F963-17 Section 4.3.5.1(2)& 4.3.5.2(2)(b) / Section A12.7	**Refer to Soluble Heavy Metals Test Results**
Soluble Heavy Metals Content in Similar Surface Coating Materials and Toys Substrate Materials – ASTM F963-17 Section 4.3.5.1(2) & 4.3.5.2(2)(b)	**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	**FAIL**
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**

COMPONENT BREAKDOWN LIST:

Test Item	Component Description
A	**Product**
A1	Yellow coating (On metal tube)
A2	Blue coating (On metal tube)
A3	Stone blue coating (On metal tube)
A4	Light green coating (On metal tube)
A5	Dark green coating (On metal tube)
A6	Yellow plastic (Body) (Telescope)
A7	Red plastic (Main body) (Telescope)
A8	Green plastic (Main body) (Telescope)
A9	Green plastic (Lens) (Telescope)
A10	Black plastic (On round tube) (Black swing)
A11	Black plastic (Rope)
A12	Light brown plastic (Rope)
A13	Black plastic (On rope)
A14	Silvery metal (Excluding coating) (Round tube) (Black swing)
A15	Grey soft plastic (Cover of metal chain)
A16	Navy soft plastic (Cover of metal chain)
A17	Dark green soft plastic (Cover of metal chain / triangle ring)
A18	Blue soft plastic (Cover of metal chain)
A19	Yellow soft plastic (Cover of metal chain / triangle ring)
A20	Stone blue soft plastic (Cover of metal chain)
A21	Light green soft plastic (Cover of metal chain / triangle ring)
A22	Dark green soft plastic (Round seat)
A23	Dark green soft plastic (Seat of swing)
A24	Blue soft plastic (Seat of swing)
A25	Yellow soft plastic (Seat of swing)
A26	Stone blue soft plastic (Seat of swing)
A27	Black plastic (Ring on seat of swing)
A28	Light yellow soft plastic (Lid of metal tube)
A29	Blue soft plastic (Lid of metal tube)
A30	Stone blue soft plastic (Lid of metal tube)
A31	Light green soft plastic (Lid of metal tube)
A32	Dark green soft plastic (Lid of metal tube)
A33	Black soft plastic (On nut)
A34	Dark green soft plastic (Axle)
A35	Yellow plastic (Steering wheel)
A36	Blue plastic (Steering wheel)
A37	Stone blue plastic (Steering wheel)
A38	Dark green plastic (Steering wheel)
A39	Black plastic (Tube / base of switch)

Test Item	Component Description
A40	Blue plastic (Lid)
A41	Stone blue plastic (Lid)
A42	Dark green plastic (Long pad)
A43	Red plastic (Long pad)
A44	Black plastic (Round base / lid)
A45	Yellow plastic (Triangle plastic block)
A46	Navy plastic (Block)
A47	Red plastic (Block)
A48	Yellow plastic (Block)
A49	Dark green plastic (Block)
A50	Orange plastic (Block)
A51	Light yellow plastic (Lid)
A52	Green plastic (Lid)
A53	Deep navy plastic (Block)
A54	Silvery metal (Round ring) (Black swing)
A55	Light blue metal with blue printing (Screw on rope)
A56	Bright silvery metal (Metal chain)
A57	Bright silvery metal (Triangle ring)
A58	Bright silvery metal (Round ring)
A59	Bright silvery metal (S-Axle)
A60	Silvery metal (Nut)
A61	Silvery metal (Screw)
A62	Silvery metal (Excluding coating) (Metal tube)
A63	Silvery metal (Triangle ring) (Round seat)
A64	Silvery metal (Metal film) (Round seat)
A65	Silvery metal (Rivet) (Round seat)
A66	Silvery metal (Switch)
A67	Black coating (On round tube) (Black swing)
A68	Black plastic (Lid of metal tube)

TEST RESULT:

1. 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+A3	Accessible as received	Paint or similar surface coating	ND	90	PASS
A4+A5+A67	Accessible as received	Paint or similar surface coating	ND	90	PASS

ND= Not detected (Laboratory detection limit=10ppm)

Method:
1) 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)

2) 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)
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:
1. 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 – 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+A3	Accessible as received	Paint or similar surface coating	ND	90	PASS
A4+A5+A67	Accessible as received	Paint or similar surface coating	ND	90	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	Accessible as received	Accessible substrate	ND	100	PASS

Test Item	Accessibility (Remark 1)	Classification	Total Lead (Pb) (ppm)		Conclusion
			Result	Limit	
A14+A65+A66	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
A39+A40+A41	Accessible as received	Accessible substrate	ND	100	PASS
A42+A43+A44	Accessible as received	Accessible substrate	ND	100	PASS
A45+A46+A47	Accessible as received	Accessible substrate	ND	100	PASS
A48+A49+A50	Accessible as received	Accessible substrate	ND	100	PASS
A51+A52+A53	Accessible as received	Accessible substrate	ND	100	PASS
A54+A55+A56	Accessible as received	Accessible substrate	ND	100	PASS
A57+A58+A59	Accessible as received	Accessible substrate	ND	100	PASS
A60+A61+A62	Accessible as received	Accessible substrate	ND	100	PASS
A63+A64	Accessible as received	Accessible substrate	ND	100	PASS
A68	Accessible as received	Accessible substrate	ND	100	PASS

ND= Not detected (Laboratory detection limit=10ppm)

Method:

4) 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)

5) 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)

6) 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:
1. 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

3. 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+A3	ND	90	PASS
A4+A5+A67	ND	90	PASS

ND= Not detected (Laboratory detection 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

4. Total Heavy Metal Screening in Similar Surface Coating Materials and Toys Substrate Materials – ASTM F963-17 Section 4.3.5.1(2)& 4.3.5.2(2)(b) / Section A12.7

Test Item	Result – Total Heavy Metals (mg/kg)								Conclusion
	Sb	As	Ba	Cd	Cr	Pb	Hg	Se	
A1+A2+A3	ND	ND	**830**	ND	ND	ND	ND	ND	***Refer to Soluble Heavy Metals Test Results***
A4+A5+A67	ND	ND	**2520**	ND	ND	ND	ND	ND	***Refer to Soluble Heavy Metals Test Results***
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+A13	ND	ND	71	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	**29**	ND	ND	ND	***Refer to***

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Test Item	Result – Total Heavy Metals (mg/kg)								Conclusion
	Sb	As	Ba	Cd	Cr	Pb	Hg	Se	
									Soluble Heavy Metals Test Results
A24+A25+A26	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A27+A28+A29	ND	ND	50	ND	**23**	ND	ND	ND	***Refer to Soluble Heavy Metals Test Results***
A30+A31+A32	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A33+A34+A35	ND	ND	18	ND	16	ND	ND	ND	PASS
A36+A37+A38	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A39+A40+A41	ND	ND	**494**	ND	ND	ND	ND	ND	***Refer to Soluble Heavy Metals Test Results***
A42+A43+A44	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A45+A46+A47	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A48+A49+A50	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A51+A52+A53	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A68	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	-

ND= Not detected (Laboratory detection limit: As=5mg/kg, Others=10mg/kg)
Sb = Antimony, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Pb = Lead, Hg = Mercury, Se = Selenium

Method: ASTM F963-17 Section 8.3.1, sample was digested with acid mixture and analyzed by Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass Spectrometer / ASTM F963-17 Section A12.7, sample was analyzed by X-ray Fluorescence Spectrometry.

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

5. Soluble Heavy Metals Content in Similar Surface Coating Materials and Toys Substrate Materials – ASTM F963-17 Section 4.3.5.1(2) & 4.3.5.2(2)(b)

Test Item	Mass of Trace Amount (mg)	Result – Soluble Heavy Metals (mg/kg)								Conclusion
		Sb	As	Ba	Cd	Cr	Pb	Hg	Se	
A1	44.0	ND	ND	115	ND	ND	ND	ND	ND	PASS
A2	39.5	ND	ND	29	ND	ND	ND	ND	ND	PASS
A3	67.4	ND	ND	144	ND	ND	ND	ND	ND	PASS
A4	46.7	ND	ND	33	ND	ND	ND	ND	ND	PASS
A5	40.5	ND	ND	18	ND	ND	ND	ND	ND	PASS
A67	26.7	ND	ND	292	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	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
A39	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A40	NA	ND	ND	ND	ND	ND	ND	ND	ND	PASS
A41	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	-

ND= Not detected (Laboratory detection limit=10mg/kg)
Sb = Antimony, As = Arsenic, Ba = Barium, Cd = Cadmium, Cr = Chromium, Pb = Lead, Hg = Mercury, Se = Selenium

Method: ASTM F963-17 Section 8.3.2 (surface coatings) / ASTM F963-17 Section 8.3.5 (substrate material). The heavy metals content was determined by Inductively Coupled Argon Plasma Spectrometer / Inductively Coupled Plasma Mass 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

2. The accessibility of the submitted sample is verified according to ASTM F963-17 before and after abuse.
3. 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

6. 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+A3	Paint on painted articles	ND	1000	PASS
A4+A5+A67	Paint on painted articles	ND	1000	PASS
A6+A7+A8	Plastics	ND	100	PASS
A9+A10+A11	Plastics	ND	100	PASS
A12+A13	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
A36+A37+A38	Plastics	ND	100	PASS
A39+A40+A41	Plastics	ND	100	PASS
A42+A43+A44	Plastics	ND	100	PASS
A45+A46+A47	Plastics	ND	100	PASS
A48+A49+A50	Plastics	ND	100	PASS
A51+A52+A53	Plastics	ND	100	PASS
A68	Plastics	ND	100	PASS

ND= Not detected (Laboratory detection 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

7. 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+A3	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A4+A5+A67	<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+A13	<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	0.006	<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	-	-	-	-	-	-	-	-	-	**Refer to Individual test results**
A30	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A31	<0.005	<0.005	0.066	<0.005	0.066	<0.005	<0.005	**0.160**	**0.160**	**FAIL**
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
A36+A37+A38	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A39+A40+A41	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A42+A43+A44	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A45+A46+A47	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A48+A49+A50	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A51+A52+A53	<0.005	<0.005	<0.005	<0.005	<0.020	<0.005	<0.005	<0.005	<0.015	PASS
A68	<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 14389:2014.
2) For other polymeric material:
With reference to EN 14372:2004 Section 6.3.2.

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

8. 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
			A6+A7+A8	A9+A10+ A11	A12+A13	A15+A16+ A17	
Benzo (a) pyrene	50-32-8	mg/kg	ND	ND	ND	ND	1
Benzo (e) pyrene	192-97-2	mg/kg	ND	ND	ND	ND	1
Benzo (a) anthracene	56-55-3	mg/kg	ND	ND	ND	ND	1
Chrysen	218-01-9	mg/kg	ND	ND	ND	ND	1
Benzo (b) fluoranthene	205-99-2	mg/kg	ND	ND	ND	ND	1
Benzo (j) fluoranthene	205-82-3	mg/kg	ND	ND	ND	ND	1
Benzo (k) fluoranthene	207-08-9	mg/kg	ND	ND	ND	ND	1
Dibenzo (a,h) anthracene	53-70-3	mg/kg	ND	ND	ND	ND	1
Conclusion			PASS	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Result				Limit
			A18+A19+ A20	A21+A22+ A23	A24+A25+ A26	A27+A28+ A29	
Benzo (a) pyrene	50-32-8	mg/kg	ND	ND	ND	ND	1
Benzo (e) pyrene	192-97-2	mg/kg	ND	ND	ND	ND	1
Benzo (a) anthracene	56-55-3	mg/kg	ND	ND	ND	ND	1
Chrysen	218-01-9	mg/kg	ND	ND	ND	ND	1
Benzo (b) fluoranthene	205-99-2	mg/kg	ND	ND	ND	ND	1
Benzo (j) fluoranthene	205-82-3	mg/kg	ND	ND	ND	ND	1

Benzo (k) fluoranthene	207-08-9	mg/kg	ND	ND	ND	ND	1
Dibenzo (a,h) anthracene	53-70-3	mg/kg	ND	ND	ND	ND	1
Conclusion			PASS	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Result				Limit
			A30+A31+A32	A33+A34+A35	A36+A37+A38	A39+A40+A41	
Benzo (a) pyrene	50-32-8	mg/kg	ND	ND	ND	ND	1
Benzo (e) pyrene	192-97-2	mg/kg	ND	ND	ND	ND	1
Benzo (a) anthracene	56-55-3	mg/kg	ND	ND	ND	ND	1
Chrysen	218-01-9	mg/kg	ND	ND	ND	ND	1
Benzo (b) fluoranthene	205-99-2	mg/kg	ND	ND	ND	ND	1
Benzo (j) fluoranthene	205-82-3	mg/kg	ND	ND	ND	ND	1
Benzo (k) fluoranthene	207-08-9	mg/kg	ND	ND	ND	ND	1
Dibenzo (a,h) anthracene	53-70-3	mg/kg	ND	ND	ND	ND	1
Conclusion			PASS	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Result				Limit
			A42+A43+A44	A45+A46+A47	A48+A49+A50	A51+A52+A53	
Benzo (a) pyrene	50-32-8	mg/kg	ND	ND	ND	ND	1
Benzo (e) pyrene	192-97-2	mg/kg	ND	ND	ND	ND	1
Benzo (a) anthracene	56-55-3	mg/kg	ND	ND	ND	ND	1
Chrysen	218-01-9	mg/kg	ND	ND	ND	ND	1
Benzo (b) fluoranthene	205-99-2	mg/kg	ND	ND	ND	ND	1
Benzo (j) fluoranthene	205-82-3	mg/kg	ND	ND	ND	ND	1
Benzo (k) fluoranthene	207-08-9	mg/kg	ND	ND	ND	ND	1
Dibenzo (a,h) anthracene	53-70-3	mg/kg	ND	ND	ND	ND	1
Conclusion			PASS	PASS	PASS	PASS	-

Parameter	CAS No.	Unit	Result	Limit
			A68	
Benzo (a) pyrene	50-32-8	mg/kg	ND	1
Benzo (e) pyrene	192-97-2	mg/kg	ND	1
Benzo (a) anthracene	56-55-3	mg/kg	ND	1
Chrysen	218-01-9	mg/kg	ND	1
Benzo (b) fluoranthene	205-99-2	mg/kg	ND	1

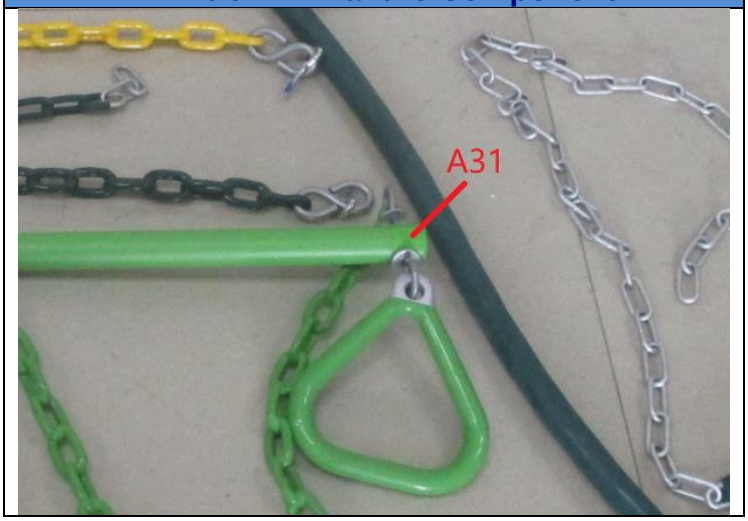
Benzo (j) fluoranthene	205-82-3	mg/kg	ND	1
Benzo (k) fluoranthene	207-08-9	mg/kg	ND	1
Dibenzo (a,h) anthracene	53-70-3	mg/kg	ND	1
Conclusion			PASS	-

ND= Not detected (Laboratory detection 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

Exhibit 1. Failure Component



****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:

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