

TEST REPORT

APPLICANT : TAISHUN ZHENXING TOYS CO., LTD

ADDRESS : JIAOYANG INDUSTRIAL PARK, TAISHUN

SAMPLE DESCRIPTION : Kids Kitchen Play Set,
Children easel,
Kids Wooden Doll House

ITEM NO. : 350-079WT(TZ-D4535-W)、
350-082(TZ-D2401-W)、
3B0-003(TZ-D4557)、
350-172V80PK(TZ-D4853)、
350-173V80WT(TZ-D4855)、
350-174V00GY(TZ-D4860)、
350-176V80PK(TZ-D4857)、
350-177V80WT(TZ-D4848)

SAMPLE RECEIVED DATE : 07-Jun-2024

FURTHER INFORMATION DATE : 08-Jul-2024

TURN AROUND TIME : 07-Jun-2024 to 08-Jul-2024

The following test item(s) was/were performed on selected sample(s) and/or component(s) confirmed by applicant

TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Phthalates Content	REACH Annex XVII, Entry 51 & 52	Pass
Total Cadmium Content	REACH Annex XVII, Entry 23	Pass
Polycyclic Aromatic Hydrocarbons (PAHs)	REACH Annex XVII, Entry 50	Pass
Banned AZO Dyes	REACH Annex XVII, Entry 43	Pass

Samples are obtained by express delivery, Results obtained refer only to samples, products or material received in Laboratory, as described in point related to sample description, and tested in conditions shown in present report. Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. If you happen to have any comments, please do it by sending email to info.sh@cpt.eurofinscn.com and referring to this report number. Reproduction of this document is only valid if it is done completely and under the written permission of Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd. If you happen to have any complaints, please do it by sending email to info.sh@cpt.eurofinscn.com and referring to this report number.



***** FOR FURTHER DETAILS, PLEASE REFER TO THE FOLLOWING PAGE(S) *****

Signed for and on behalf of
Eurofins MTS Consumer Product Testing (Shanghai) Co., Ltd.




Vivian Gu
Lab Director

SAMPLE PHOTO(S)



A(350-173V80WT(TZ-D4855))



B(350-177V80WT(TZ-D4848))



C(350-082(TZ-D2401-W))



D(350-176V80PK(TZ-D4857))



E(3B0-003(TZ-D4557))



EFW524061692-CG-01

TO BE CONTINUED

SAMPLE PHOTO(S)



EFW524061692-CG-01

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	White paper sticker with multi-color coating	A
2	Brown/light brown coating on wood	C,G
3	White paper sticker with multi-color coating	D
4	White paper sticker with multi-color coating	F
5	White paper sticker with multi-color coating	G
6	White paper sticker with multi-color coating	H
7	White paper with white coating	B,C,G
8	Grey coating on plastic	A,B
9	Silver grey coating on plastic	A,B,G,H
10	Grey coating on wood	A,B,F,G
11	White coating on wood	A,B,C,D,E,F,G,H
12	Silver grey coating on wood	A,B,C,G,H
13	Black coating on wood	A,B,C,D,G,H
14	Dark grey coating on wood	A,B,H
15	Green coating on plastic (eggplant)	B
16	Yellow coating on plastic (green pepper)	B
17	Beige yellow coating on wood	C
18	Light pink coating on wood (stairs)	D,E,H
19	Pink coating on wood (bed)	D
20	Dark pink coating on wood (sofa)	D,E
21	Yellow coating on wood (table)	D
22	Green coating on wood (table)	D
23	Dark blue coating on wood (bathtub)	D,F,G
24	Red coating on wood (bathtub)	D,F,G
25	Dark yellow coating on wood	E,G
26	White coating on metal	E
27	Black coating on wood (blackboard)	E
28	Grey blue coating on wood (drawers/handle)	F
29	Dark grey coating on wood (sofa)	F
30	Grey coating on wood (bathtub)	F
31	Beige coating on wood (edge sealing)	G
32	White coating on plastic (pot)	G
33	Transparent coating on wood (knife)	G
34	Blue coating on wood (fish)	G
35	Deep blue coating on wood (fish)	G
36	Purple coating on wood (crab)	G
37	Light purple coating on wood (onions)	G
38	Green coating on wood (cauliflower)	G
39	Dark beige coating on wood (mushrooms)	G
40	Pink coating on plastic	H
41	Black coating on wood (time)	H
42	Light grey coating on wood	H
43	White plastic excluding coating (piping)	A,B,F,G,H
44	Semi-transparent plastic (screw)	A,B,C,F,G,H
45	Transparent plastic (windows)	A,H
46	Semi-transparent plastic (fixed windows)	A,B,C,G,H
47	Black plastic (battery box)	A,B,C,G
48	Black plastic (induction cooker)	A,B,G,H
49	Milky white plastic (induction cooker)	A,B

TO BE CONTINUED

Component No.	Component	Sample No.
50	Red plastic (induction cooker switch)	A,B
51	Transparent red plastic (induction cooker flame)	A,B
52	White plastic (cup)	A
53	Transparent plastic (measuring cup/ice cube box)	A,H
54	Grey plastic (water dispenser)	A,C,G,H
55	Black plastic (water dispenser)	A,C,G,H
56	Grey plastic (faucet)	A
57	Grey plastic (drainage basket)	A
58	White plastic (plate)	A
59	Black plastic (induction cooker switch)	A,G
60	Grey plastic (induction cooker switch)	A,B,G
61	Grey plastic (vegetable washing sink)	A
62	Grey plastic (cup)	A
63	Beige plastic (buckle)	A,B,D
64	Semi-transparent plastic (buckle)	A,B,C,G,H
65	White plastic (hook)	A,B,H
66	Transparent plastic (cabinet door)	B,C,G
67	White plastic (strip/protective strip)	B
68	Yellow plastic (cutting board)	B
69	Grey plastic excluding coating (door handle)	A,B,C,H
70	Orange plastic (knife)	B
71	White plastic Velcro hook	B
72	Green plastic (corn)	B
73	Purple plastic (eggplant)	B
74	Beige plastic excluding coating (faucet/base)	B,C,G,H
75	White plastic (basin)	B,G
76	Beige white plastic excluding coating (rectangular/square)	B
77	Dark green plastic (green pepper)	B
78	Red plastic pointer/clock	C
79	White plastic shaft/clock	C
80	Light gray plastic coated telephone/button	C,H
81	White plastic (stairs)	F
82	Beige plastic excluding coating (pot)	G
83	Milk white plastic (door handle)	G
84	White plastic frame	H
85	Red plastic (gas stove)	H
86	White plastic (gas stove switch)	H
87	Grey plastic (telephone)	C,H
88	Grey plastic (earpiece)	H
89	Beige plastic with bright silver plating (faucet)	B,C
90	Blue soft plastic sticker (mirror)	D
91	Transparent plastic sticker with underlying red/black coating	C
92	Yellow non-woven fabric	E
93	Purple non-woven fabric	E

TO BE CONTINUED

TEST RESULT

Phthalates Content

Test Request: Phthalates content as specified in entry 51&52 of annex XVII of REACH Regulation (EC) No 1907/2006 and its amendment Commission Regulation (EU) 2018/2005.

Test Method: EPA 3550C:2007, EPA 8270E:2018, solvent extraction and quantification by GC-MS.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					1	2	3	4
Di-n-butyl phthalate (DBP)	84-74-2	%	-	0.005	ND	ND	0.023	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND	ND	ND	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND	ND	ND	ND
Sum of DEHP, DBP, BBP, DIBP	-	%	0.1	-	ND	ND	0.023	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND	ND	ND	ND
Sum of DNOP, DINP, DIDP	-	%	0.1	-	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					5	6	7	8+9+10
Di-n-butyl phthalate (DBP)	84-74-2	%	-	0.005	0.034	ND	ND	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND	ND	ND	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND	ND	ND	ND
Sum of DEHP, DBP, BBP, DIBP	-	%	0.1	-	0.034	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND	ND	ND	ND
Sum of DNOP, DINP, DIDP	-	%	0.1	-	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					11+12+13	14+15+16	17+18+19	20+21+22
Di-n-butyl phthalate (DBP)	84-74-2	%	-	0.005	ND	ND	ND	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND	ND	ND	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND	ND	ND	ND
Sum of DEHP, DBP, BBP, DIBP	-	%	0.1	-	ND	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND	ND	ND	ND
Sum of DNOP, DINP, DIDP	-	%	0.1	-	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					23+24+25	26+27+28	29+30+31	32+33+34
Di-n-butyl phthalate (DBP)	84-74-2	%	-	0.005	ND	ND	ND	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND	ND	ND	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND	ND	ND	ND
Sum of DEHP, DBP, BBP, DIBP	-	%	0.1	-	ND	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND	ND	ND	ND
Sum of DNOP, DINP, DIDP	-	%	0.1	-	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					35+36+37	38+39+40	41+42	43+44+45
Di-n-butyl phthalate (DBP)	84-74-2	%	-	0.005	ND	ND	ND	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND	ND	ND	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND	ND	ND	ND
Sum of DEHP, DBP, BBP, DIBP	-	%	0.1	-	ND	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND	ND	ND	ND
Sum of DNOP, DINP, DIDP	-	%	0.1	-	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					46+47+48	49+50+51	52+53+54	55+56+57
Di-n-butyl phthalate (DBP)	84-74-2	%	-	0.005	ND	ND	ND	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND	ND	ND	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND	ND	ND	ND
Sum of DEHP, DBP, BBP, DIBP	-	%	0.1	-	ND	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND	ND	ND	ND
Sum of DNOP, DINP, DIDP	-	%	0.1	-	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					58+59+60	61+62+63	64+65+66	67+68+69
Di-n-butyl phthalate (DBP)	84-74-2	%	-	0.005	ND	ND	ND	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND	ND	ND	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND	ND	ND	ND
Sum of DEHP, DBP, BBP, DIBP	-	%	0.1	-	ND	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND	ND	ND	ND
Sum of DNOP, DINP, DIDP	-	%	0.1	-	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					70+71+72	73+74+75	76+77+78	79+80+81
Di-n-butyl phthalate (DBP)	84-74-2	%	-	0.005	ND	ND	ND	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND	ND	ND	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND	ND	ND	ND
Sum of DEHP, DBP, BBP, DIBP	-	%	0.1	-	ND	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND	ND	ND	ND
Sum of DNOP, DINP, DIDP	-	%	0.1	-	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					82+83+84	85+86+87	88	89
Di-n-butyl phthalate (DBP)	84-74-2	%	-	0.005	ND	ND	ND	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND	ND	ND	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND	ND	ND	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND	ND	ND	ND
Sum of DEHP, DBP, BBP, DIBP	-	%	0.1	-	ND	ND	ND	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND	ND	ND	ND
Sum of DNOP, DINP, DIDP	-	%	0.1	-	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					91
Di-n-butyl phthalate (DBP)	84-74-2	%	-	0.005	ND
Benzylbutyl phthalate (BBP)	85-68-7	%	-	0.005	ND
Diethylhexyl phthalate (DEHP)	117-81-7	%	-	0.005	ND
Diisobutyl phthalate (DIBP)	84-69-5	%	-	0.005	ND
Sum of DEHP, DBP, BBP, DIBP	-	%	0.1	-	ND
Di-n-octyl phthalate (DNOP)	117-84-0	%	-	0.005	ND
Diisononyl phthalate (DINP)	28553-12-0	%	-	0.005	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	-	0.005	ND
Sum of DNOP, DINP, DIDP	-	%	0.1	-	ND

Remarks:

As per client's request, only the appointed materials have been tested.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

MDL = method detection limit

ND = Not detected, less than MDL

"-"= Not Regulated

TO BE CONTINUED

TEST RESULT

Total Cadmium Content

Test Request: Total cadmium content as specified in Commission Regulation (EU) 2016/217 amending entry 23 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EPA 3050B:1996, EPA 3052:1996, EN 1122:2001 Method B, acid digestion method was used and total cadmium content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				1	2	3	4
Cadmium (Cd)	mg/kg	1000	5	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				5	6	7	8+9+10
Cadmium (Cd)	mg/kg	1000	5	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				11+12+13	14+15+16	17+18+19	20+21+22
Cadmium (Cd)	mg/kg	1000	5	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				23+24+25	26+27+28	29+30+31	32+33+34
Cadmium (Cd)	mg/kg	1000	5	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result		
				35+36+37	38+39+40	41+42
Cadmium (Cd)	mg/kg	1000	5	ND	ND	ND

Remark:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Total Cadmium Content

Test Request: Total cadmium content as specified in Commission Regulation (EU) 2016/217 amending entry 23 of Annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EPA 3050B:1996, EPA 3052:1996, EN 1122:2001 Method B, acid digestion method was used and total cadmium content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				43+44+45	46+47+48	49+50+51	52+53+54
Cadmium (Cd)	mg/kg	100	5	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				55+56+57	58+59+60	61+62+63	64+65+66
Cadmium (Cd)	mg/kg	100	5	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				67+68+69	70+71+72	73+74+75	76+77+78
Cadmium (Cd)	mg/kg	100	5	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				79+80+81	82+83+84	85+86+87	88
Cadmium (Cd)	mg/kg	100	5	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result		
				89	90	91
Cadmium (Cd)	mg/kg	100	5	ND	ND	ND

Remark:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Polycyclic Aromatic Hydrocarbons (PAHs)

Test Request: Polycyclic Aromatic Hydrocarbons (PAHs) content as specified in entry 50 of Annex XVII of REACH Regulation (EC) No 1907/2006 and its latest amendment.

Test Method: Solvent extraction and quantification by gas chromatography-mass selective detection (GC-MS) with respect to AfPS GS 2019:01 PAK.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result				
					1	2	3	4	5
Benzo(a)anthracene	56-55-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(a)pyrene	50-32-8	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result				
					6	7	8+9	10+11	12+13
Benzo(a)anthracene	56-55-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(a)pyrene	50-32-8	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result				
					14+15	16+17	18+19	20+21	22+23
Benzo(a)anthracene	56-55-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(a)pyrene	50-32-8	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result				
					24+25	26+27	28+29	30+31	32+33
Benzo(a)anthracene	56-55-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(a)pyrene	50-32-8	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result				
					34+35	36+37	38+39	40+41	42
Benzo(a)anthracene	56-55-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(a)pyrene	50-32-8	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result				
					43+44	45+46	47+48	49+50	51+52
Benzo(a)anthracene	56-55-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(a)pyrene	50-32-8	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result				
					53+54	55+56	57+58	59+60	61+62
Benzo(a)anthracene	56-55-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(a)pyrene	50-32-8	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result				
					63+64	65+66	67+68	69+70	71+72
Benzo(a)anthracene	56-55-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(a)pyrene	50-32-8	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result				
					73+74	75+76	77+78	79+80	81+82
Benzo(a)anthracene	56-55-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(a)pyrene	50-32-8	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result				
					83+84	85+86	87+88	89	90
Benzo(a)anthracene	56-55-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(a)pyrene	50-32-8	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.5	0.1	ND	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	0.5	0.1	ND	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					91
Benzo(a)anthracene	56-55-3	mg/kg	0.5	0.1	ND
Chrysene	218-01-9	mg/kg	0.5	0.1	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	0.5	0.1	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	0.5	0.1	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	0.5	0.1	ND
Benzo(a)pyrene	50-32-8	mg/kg	0.5	0.1	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	0.5	0.1	ND
Benzo(e)pyrene	192-97-2	mg/kg	0.5	0.1	ND

Remarks:

As per client's request, only the appointed materials have been tested.

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Banned AZO Dyes

Test Request: Banned AZO dyes as specified in entry 43 of annex XVII of REACH Regulation (EC) No 1907/2006.

Test Method: EN ISO 14362-1:2017, sampling procedure and sample preparation according to Annex E4.2 and Annex E4.3.

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					92+93
4-methyl-m-phenylenediamine	95-80-7	mg/kg	30	5	ND
4-Amino-azobenzene (Note 2)	60-09-3	mg/kg	30	5	ND
2-Naphthylamine	91-59-8	mg/kg	30	5	ND
4,4'-methylenedi-o-toluidine	838-88-0	mg/kg	30	5	ND
Bis-(4-aminophenyl)methane	101-77-9	mg/kg	30	5	ND
4,4'-Oxydianiline	101-80-4	mg/kg	30	5	ND
4,4'-Thiodianiline	139-65-1	mg/kg	30	5	ND
Benzidine	92-87-5	mg/kg	30	5	ND
o-Toluidine	95-53-4	mg/kg	30	5	ND
5-Nitro-o-toluidine (Note 1)	99-55-8	mg/kg	30	5	ND
4-methoxy-m-phenylenediamine	615-05-4	mg/kg	30	5	ND
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	mg/kg	30	5	ND
o-Aminoazotoluene (Note 1)	97-56-3	mg/kg	30	5	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	30	5	ND
4-Aminobiphenyl	92-67-1	mg/kg	30	5	ND
o-Anisidine	90-04-0	mg/kg	30	5	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	30	5	ND
4-Chloroaniline	106-47-8	mg/kg	30	5	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	30	5	ND
n.d.3,3'-Dimethybenzidine	119-93-7	mg/kg	30	5	ND
2-Methoxy-5-methylaniline	120-71-8	mg/kg	30	5	ND
4-Chloro-2-methylaniline	95-69-2	mg/kg	30	5	ND

Remarks:

According to client's request, tests are combination tests. The experimental results are the total result of mixed samples.

Note 1: The CAS-numbers 97-56-3 and 99-55-8 are further reduced to CAS-numbers 95-53-4 and 95-80-7.

Note 2: 4-Amino-azobenzene(CAS No.:60-09-3) is reduced to aniline and 1,4-phenylenediamine.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

END OF THE REPORT