

TEST REPORT

APPLICANT : Yangzhou Zhongbo Garden Equipment Factory

ADDRESS : Yangzhou City Jiangdu District Guocun town Binzhou village
Wuxiang Group Yangzhou Zhongbo garden equipment factory

SAMPLE DESCRIPTION : Heise Latou, Suliaokou, Xiangjiaosheng, Hejingou, Buxiuganggou,
Lalian, Zhidai, Haimian, Lvsezhidai, Niujinbu,, 210D Libu,
Wangbudailvsetuceng, PE Ban, Pitiao, PU Bu, Mianbu

MANUFACTURER : Zhong Bo, Zhong Bo, Zhong Bo, Zhong Bo, Zhong Bo, Zhong Bo,
Zhong Bo, Zhong Bo, Zhong Bo, Zhong Bo, Zhong Bo, Zhong Bo,
Zhong Bo, Zhong Bo, Zhong Bo, Zhong Bo

END USE : Electrical Appliances

SAMPLE RECEIVED DATE : 24-Nov-2023

SAMPLE RESUBMISSION DATE : 29-Dec-2023

TURN AROUND TIME : 24-Nov-2023 to 08-Jan-2024

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

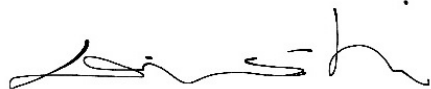
TEST REQUESTED	TEST METHOD/REGULATION	RESULT
Perfluorooctane Sulfonic Acid (PFOS) Content	Regulation (EU) 2019/1021	Pass
Hexachlorobutadiene, Pentachlorobenzene, Hexachlorobenzene	Regulation (EU) 2019/1021	Pass
HBCDD Content	Regulation (EU) 2019/1021	Pass
Polychlorinated Naphthalenes (PCNs)	Regulation (EU) 2019/1021	Pass
Brominated Flame Retardant Content	Regulation (EU) 2019/1021	Pass
Polychlorinated Biphenyls (PCB)	Selected substances in Annex I of Commission Regulation (EU) 2019/1021	Pass
SCCP Content	Regulation (EU) 2019/1021	Pass
MCCP Content	EPA 3550C:2007, EPA 8270E:2018	Pass
Polycyclic Aromatic Hydrocarbons (PAHs)	German GS Specification: AfPS GS 2019:01 PAK	Pass
TSCA- Persistent, Bioaccumulative, and Toxic Chemicals	40 CFR Part 751, Subpart E	Pass
Total Lead Content	US California Proposition 65	Pass
Total Cadmium Content	US California Proposition 65	Pass
Phthalates Content	US California Proposition 65	Pass
Total Lead Content	US 16 CFR 1303	Pass
Fluorine (F) Content	With reference to EN 14582:2016	Pass
Chlorine (Cl) Content	With reference to EN 14582:2016	Fail
Bromine (Br) Content	With reference to EN 14582:2016	Pass
Total Phosphorus(P) Content	With reference to EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996	Pass
Banned AZO Dyes	REACH Annex XVII, Entry 43	Pass
Dimethylfumarate (DMFu) Content	REACH Annex XVII, Entry 61	Pass
Carcinogenic Disperse Dyes	DIN 54231:2005	See Test Result
Allergic Disperse Dyes	DIN 54231:2005	See Test Result
Perfluorooctanoic acid (PFOA), its salts and PFOA related compounds	Regulation (EU) 2019/1021 and Amendment (EU) 2020/784	Pass
Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds	Regulation (EU) 2019/1021 and Amendment (EU) 2023/1608	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 Product Testing Service (Hangzhou) Co., Ltd ensures that this job has been performed according to our Quality System and complying contract and legal conditions. Unless otherwise stated from the customer, regulation or the standard specification, Eurofins will consider the measurement uncertainty as calculated by our laboratory and apply according to ILAC G8:09/2019-(binary acceptance base on guard band). If you happen to have any comments, please do it by sending email to info.hz@eurofins.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 Product Testing Service (Hangzhou) Co., Ltd. If you happen to have any complaints, please do it by sending email to chinacomplaint@eurofins.com and referring to this report number.

Eurofins (Hangzhou) contact information**Customer service:** Joy.Lai@cpt.eurofinscn.com / +86 571 87203730**Sales specialist:** Rita.Yue@cpt.eurofinscn.com / +86 15861156663

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

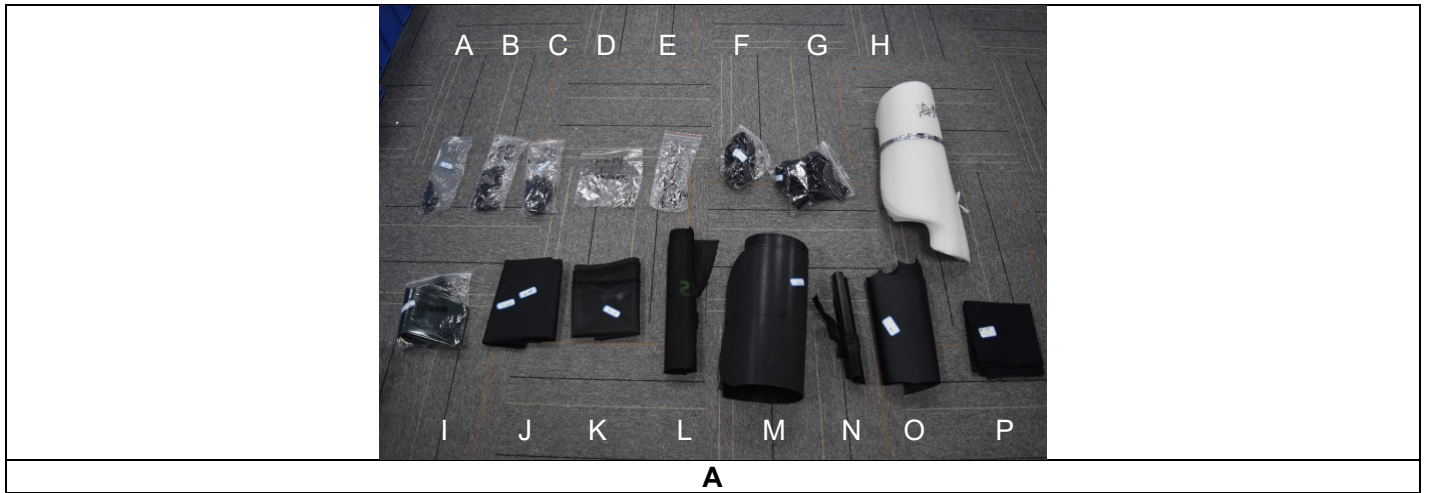
Signed for and on behalf of
Eurofins Product Testing Service (Hangzhou) Co., Ltd.



Lincoln Shi
Lab Manager of HZ Chemical Laboratory



SAMPLE PHOTO(S)



EFHZ23112016-CG-01-EN

TO BE CONTINUED

COMPONENT LIST

Component No.	Component	Sample No.
1	Black coating on metal	A
2	Black elastic rope	C
3	Black plastic buckle	B
4	Black plastic adjustable buckle	C
5	Black plastic zipper teeth	F
6	Dark green soft plastic	I
7	Black plastic	M
8	Black plastic	N
9	White sponge	H
10	Black PU	O
11	Black mesh fabric with green coating	L
12	Black fabric with black coating	J
13	Black fabric tape	G
14	Black woven fabric	K
15	Black woven fabric	P
16	Silver metal zipper puller excluding coating	A
17	Silver metal zipper slider excluding coating	A
18	Silver metal ring (oval)	D
19	Silver stainless steel (oval)	E
20	Silver metal axle	D
21	Silver metal spring	D
22	Silver metal buckle (body)	D
23	Silver metal buckle (open)	D
24	Silver metal frame	D
25	Silver metal pin	D
26	Silver stainless steel (body)	E
27	Silver stainless steel (open)	E
28	Silver stainless steel (connect sheet)	E
29	Black PU	O

TO BE CONTINUED

TEST RESULT

Perfluorooctane Sulfonic Acid (PFOS)

Test Request: Perfluorooctane sulfonic acid (PFOS) content as specified in Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants as regards Annex I Part A.

Test Method: With reference to CEN/TS 15968:2010, extract with organic solvent, analysis with LC/MS.

Tested Item(s)	Unit	Limit	MDL	Result				
				11	12	13	14	15
Perfluorooctane Sulfonic Acid (PFOS)	mg/kg	1000	1	ND	ND	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

PFOS refer to Perfluorooctanesulfonic acid and its derivatives including Perfluorooctanesulfonic acid, N-Methylperfluorooctane sulfonamide, N-Ethylperfluorooctane sulfonamide, N-Methylperfluorooctane sulfonamidoethanol, N-Ethylperfluorooctane sulfonamidoethanol, Perfluorooctanesulfonic acid potassium, Perfluorooctanesulfonic acid lithium, Perfluorooctane sulfonamide, Heptadecafluorooctanesulphonyl fluoride, Didecyldimethylammonium perfluorooctane sulfonate, Tetraethyl ammonium perfluoro-n-octane sulfonate, Bis2(hydroxyethyl)ammonium perfluoro-n-octane sulfonate

The concentration shall lower than 1000 mg/kg in semi-finished products or articles.

TO BE CONTINUED

TEST RESULT

Hexachlorobutadiene, Pentachlorobenzene, Hexachlorobenzene

Test Request: Hexachlorobutadiene, Pentachlorobenzene, Hexachlorobenzene content as specified in Regulation (EU) 2019/1021 and its amendment Regulation (EU) 2022/2291 of the European Parliament and of the Council on persistent organic pollutants as regards Annex I Part A

Test Method: With reference to EPA 3550C:2007, EPA 8270E:2018, determination by GC-MS

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					2	3	4	6
Hexachlorobutadiene	87-68-3	mg/kg	Not Detected	10	ND	ND	ND	ND
Hexachlorobenzene (HCB)	118-74-1	mg/kg	10	0.1	ND	ND	ND	ND
Pentachlorobenzene	608-93-5	mg/kg	Not Detected	5	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					7	8	9	10
Hexachlorobutadiene	87-68-3	mg/kg	Not Detected	10	ND	ND	ND	ND
Hexachlorobenzene (HCB)	118-74-1	mg/kg	10	0.1	ND	ND	ND	ND
Pentachlorobenzene	608-93-5	mg/kg	Not Detected	5	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					11	12	13	14
Hexachlorobutadiene	87-68-3	mg/kg	Not Detected	10	ND	ND	ND	ND
Hexachlorobenzene (HCB)	118-74-1	mg/kg	10	0.1	ND	ND	ND	ND
Pentachlorobenzene	608-93-5	mg/kg	Not Detected	5	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					15
Hexachlorobutadiene	87-68-3	mg/kg	Not Detected	10	ND
Hexachlorobenzene (HCB)	118-74-1	mg/kg	10	0.1	ND
Pentachlorobenzene	608-93-5	mg/kg	Not Detected	5	ND

Remarks:

1 mg/kg = 1 ppm = 0.0001%

MDL = method detection limit

ND = Not detected, less than MDL

HBCDD Content

Test Request: HBCDD content as specified in Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants as regards Annex I Part A.

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

Tested Item(s)	Unit	Limit	MDL	Result
				29
Hexabromocyclododecane (HBCDD)	mg/kg	100	50	ND

Remark:

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Polychlorinated Naphthalenes (PCNs)

Test Request: Polychlorinated Naphthalenes (PCNs) as specified in Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants as regards Annex I Part A.

Test Method: With reference to EPA 8081B:2000, determination by GC-MS

Test Item(s)	Unit	Limit	MDL	Result			
				2	3	4	6
Polychlorinated naphthalene	mg/kg	Not Detected	1	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				7	8	9	10
Polychlorinated naphthalene	mg/kg	Not Detected	1	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				11	12	13	14
Polychlorinated naphthalene	mg/kg	Not Detected	1	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				15			
Polychlorinated naphthalene	mg/kg	Not Detected	1	ND			

Remark:

MDL = method detection limit

ND = Not detected, less than MDL

mg/kg = milligram per kilogram

TO BE CONTINUED

TEST RESULT

Brominated Flame Retardant Content

Test Request: Flame Retardant as specified in Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants as regards Annex I Part A.

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

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					2	3	4	6
Pentabromodiphenyl ether(PentaBDE)	32534-81-9	mg/kg	-	5	ND	ND	ND	ND
Hexabromocyclododecane (HBCDD)	25637-99-4	mg/kg	100	50	ND	ND	ND	ND
Decabromodiphenyl ether (DecaBDE)	1163-19-5	mg/kg	-	5	ND	ND	ND	ND
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	mg/kg	-	5	ND	ND	ND	ND
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	mg/kg	-	5	ND	ND	ND	ND
Heptabromo diphenyl ethers (HeptaBDE)	68928-80-3	mg/kg	-	5	ND	ND	ND	ND
Hexabromo biphenyls	36355-01-8	mg/kg	Not Detected	5	ND	ND	ND	ND
Sum of tetra-, penta, hexa-, hepta- and decaBDE	-	mg/kg	500	-	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					7	8	9	10
Pentabromodiphenyl ether(PentaBDE)	32534-81-9	mg/kg	-	5	ND	ND	ND	ND
Hexabromocyclododecane (HBCDD)	25637-99-4	mg/kg	100	50	ND	ND	ND	ND
Decabromodiphenyl ether (DecaBDE)	1163-19-5	mg/kg	-	5	ND	ND	ND	ND
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	mg/kg	-	5	ND	ND	ND	ND
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	mg/kg	-	5	ND	ND	ND	ND
Heptabromo diphenyl ethers (HeptaBDE)	68928-80-3	mg/kg	-	5	ND	ND	ND	ND
Hexabromo biphenyls	36355-01-8	mg/kg	Not Detected	5	ND	ND	ND	ND
Sum of tetra-, penta, hexa-, hepta- and decaBDE	-	mg/kg	500	-	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					11	12	13	14
Pentabromodiphenyl ether(PentaBDE)	32534-81-9	mg/kg	-	5	ND	ND	ND	ND
Hexabromocyclododecane (HBCDD)	25637-99-4	mg/kg	100	50	ND	ND	ND	ND
Decabromodiphenyl ether (DecaBDE)	1163-19-5	mg/kg	-	5	ND	ND	ND	ND
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	mg/kg	-	5	ND	ND	ND	ND
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	mg/kg	-	5	ND	ND	ND	ND
Heptabromo diphenyl ethers (HeptaBDE)	68928-80-3	mg/kg	-	5	ND	ND	ND	ND
Hexabromo biphenyls	36355-01-8	mg/kg	Not Detected	5	ND	ND	ND	ND
Sum of tetra-, penta, hexa-, hepta- and decaBDE	-	mg/kg	500	-	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					15
Pentabromodiphenyl ether(PentaBDE)	32534-81-9	mg/kg	-	5	ND
Hexabromocyclododecane (HBCDD)	25637-99-4	mg/kg	100	50	ND
Decabromodiphenyl ether (DecaBDE)	1163-19-5	mg/kg	-	5	ND
Tetrabromodiphenyl ether (TetraBDE)	40088-47-9	mg/kg	-	5	ND
Hexabromodiphenyl ether (HexaBDE)	36483-60-0	mg/kg	-	5	ND
Heptabromo diphenyl ethers (HeptaBDE)	68928-80-3	mg/kg	-	5	ND
Hexabromo biphenyls	36355-01-8	mg/kg	Not Detected	5	ND
Sum of tetra-, penta, hexa-, hepta- and decaBDE	-	mg/kg	500	-	ND

Remarks:

MDL = method detection limit

ND = Not detected, less than MDL

1 mg/kg = 1 ppm = 0.0001%

“-” = Not regulated

TO BE CONTINUED

TEST RESULT

Polychlorinated Biphenyls (PCB)

Test Request: Selected substances in Annex I of Commission Regulation (EU) 2019/1021.

Test Method: With reference to EPA 8082A:2007, determination by GC-MS

Tested Item(s)	Unit	Limit	MDL	Result			
				2	3	4	6
Polychlorinated Biphenyls	mg/kg	Not Detected	0.2	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result			
				7	8	9	10
Polychlorinated Biphenyls	mg/kg	Not Detected	0.2	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result			
				11	12	13	14
Polychlorinated Biphenyls	mg/kg	Not Detected	0.2	ND	ND	ND	ND

Tested Item(s)	Unit	Limit	MDL	Result			
				15			
Polychlorinated Biphenyls	mg/kg	Not Detected	0.2	ND			

Remark:

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

SCCP Content

Test Request: SCCP content as specified in Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants as regards Annex I Part A.

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

Test Item(s)	Unit	Limit	MDL	Result			
				2	3	4	6
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins, SCCP)	%	0.15	0.005	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				7	8	9	10
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins, SCCP)	%	0.15	0.005	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				11	12	13	14
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins, SCCP)	%	0.15	0.005	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result	
				15	29
Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins, SCCP)	%	0.15	0.005	ND	ND

Remark:

By way of derogation, the manufacturing, placing on the market and use of substances or mixtures containing SCCPs in concentrations lower than 1 % by weight or articles containing SCCPs in concentrations lower than 0.15 % by weight shall be allowed.

1 mg/kg = 1 ppm = 0.0001%

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

MCCP Content

Test Request: MCCP content as requested by client' s request.

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

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					29
Alkanes, C14-17, chloro (Medium Chain Chlorinated Paraffins)	85535-85-9	mg/kg	1000	50	ND

Remarks:

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 according to German GS
Specification: AfPS GS 2019:01 PAK

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

Parameter	CAS No.	Unit	Result				
			2	3+4	6+7	8	10
PAHs Category			Category 2b	Category 2b	Category 2b	Category 2b	Category 2b
Benzo(a)pyrene	50-32-8	mg/kg	ND	ND	ND	ND	ND
Benzo(e)pyrene	192-97-2	mg/kg	ND	ND	ND	ND	ND
Benzo(a)anthracene	56-55-3	mg/kg	ND	ND	ND	ND	ND
Benzo(b)fluoranthene	205-99-2	mg/kg	ND	ND	ND	ND	ND
Benzo(j)fluoranthene	205-82-3	mg/kg	ND	ND	ND	ND	ND
Benzo(k)fluoranthene	207-08-9	mg/kg	ND	ND	ND	ND	ND
Chrysene	218-01-9	mg/kg	ND	ND	ND	ND	ND
Dibenzo(a,h)anthracene	53-70-3	mg/kg	ND	ND	ND	ND	ND
Benzo(ghi)perylene	191-24-2	mg/kg	ND	ND	ND	ND	ND
Indeno(1,2,3-cd)pyrene	193-39-5	mg/kg	ND	ND	ND	ND	ND
Phenanthrene	85-01-8	mg/kg	ND	ND	ND	ND	ND
Anthracene	120-12-7	mg/kg	ND	ND	ND	ND	ND
Fluoranthene	206-44-0	mg/kg	ND	ND	ND	ND	ND
Pyrene	129-00-0	mg/kg	ND	ND	ND	ND	ND
Naphthalene	91-20-3	mg/kg	ND	ND	ND	ND	ND
Sum of 4 GS PAHS (Phenanthrene, Pyrene, Anthracene, Fluoranthene)	-	mg/kg	ND	ND	ND	ND	ND
Sum of 15 GS PAHs	-	mg/kg	ND	ND	ND	ND	ND

Note:

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

mg/kg = milligram per kilogram

ND = not detected, less than 0.2 mg/kg

TO BE CONTINUED

TEST RESULT

Table 1

AfPS GS 2019:01 PAK requirement:

Parameter	Unit	Category 1 Materials intended to be taken into the mouth, or materials in toys acc. to DIR 2009/48/EC or materials in articles intended for the use by children up to 3 years of age having long-term skin contact (more than 30s) within intended use	Category 2 Materials that do not fall into category 1, with long-term skin contact (more than 30s) or repeated short-term skin contact within intended or foreseeable use		Category 3 Materials that do neither fall into category 1 nor 2, with short-term skin contact (up to 30s) within intended or foreseeable use	
			a. use by children	b. other consumer products	a. use by children	b. other consumer products
Benzo(a)pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo(e)pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo(a)anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo(b)fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo(j)fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo(k)fluoranthene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Chrysene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Dibenzo(a,h)anthracene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Benzo(ghi)perylene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Indeno(1,2,3-cd)pyrene	mg/kg	<0.2	<0.2	<0.5	<0.5	<1
Phenanthrene, Pyrene, Anthracene, Fluoranthene	mg/kg	<1 Sum	<5 Sum	<10 Sum	<20 Sum	<50 Sum
Naphthalene	mg/kg	<1	<2		<10	
Sum 15 PAH	mg/kg	<1	<5	<10	<20	<50

In the sum of the 15 PAH, only those PAH components quantified in the material from 0.2 mg/kg are taken into account.

TO BE CONTINUED

TEST RESULT

TSCA- Persistent, Bioaccumulative, and Toxic Chemicals

Test Request: Persistent, Bioaccumulative, and Toxic Chemicals as specified in 40 CFR Part 751, Subpart E.

Test Method: With reference to EPA 3550C:2007, EPA 8270E:2018, analysis was performed by GC-MS

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					2	3	4	6
Decabromodiphenyl Ether (DecaBDE)	1163-19-5	%	Prohibition	0.005	ND	ND	ND	ND
Isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	%	Prohibition	0.005	ND	ND	ND	ND
2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	%	0.3	0.005	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	%	1	0.05	ND	ND	ND	ND
Hexachlorobutadiene (HCBd)	87-68-3	%	Prohibition	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					7	8	9	10
Decabromodiphenyl Ether (DecaBDE)	1163-19-5	%	Prohibition	0.005	ND	ND	ND	ND
Isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	%	Prohibition	0.005	ND	ND	ND	ND
2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	%	0.3	0.005	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	%	1	0.05	ND	ND	ND	ND
Hexachlorobutadiene (HCBd)	87-68-3	%	Prohibition	0.005	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					11	12	13	14
Decabromodiphenyl Ether (DecaBDE)	1163-19-5	%	Prohibition	0.005	ND	ND	ND	ND
Isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	%	Prohibition	0.005	ND	ND	ND	ND
2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	%	0.3	0.005	ND	ND	ND	ND
Pentachlorothiophenol (PCTP)	133-49-3	%	1	0.05	ND	ND	ND	ND
Hexachlorobutadiene (HCBd)	87-68-3	%	Prohibition	0.005	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result
					15
Decabromodiphenyl Ether (DecaBDE)	1163-19-5	%	Prohibition	0.005	ND
Isopropylated phosphate (3:1) (PIP (3:1))	68937-41-7	%	Prohibition	0.005	ND
2,4,6-tris(tert-butyl)phenol (2,4,6-TTBP)	732-26-3	%	0.3	0.005	ND
Pentachlorothiophenol (PCTP)	133-49-3	%	1	0.05	ND
Hexachlorobutadiene (HCBd)	87-68-3	%	Prohibition	0.005	ND

Remarks:

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Total Lead Content

Test Request: Total lead content as specified in US California Proposition 65

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996
Acid digestion/ microwave digestion method was used and total lead content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				2	3+4+5	7+8	18+19+20
Total Lead	mg/kg	100	10	ND	11	ND	ND

Test Item(s)	Unit	Limit	MDL	Result		
				21+22+23	24+25+26	27+28
Total Lead	mg/kg	100	10	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result
				29
Total Lead	mg/kg	100	10	ND

Remark:

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

The limit(s) was/were referred from various court cases. Compliance with the above stated limit(s) does not show compliance with Proposition 65 or a guarantee against possible legal action but provides a relative level of assurance against potential lawsuits.

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 US California Proposition 65

Test Method: EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996
Acid digestion/ microwave digestion method was used and total cadmium content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				2	3+4+5	7+8	16+17+18
Total Cadmium	mg/kg	100	5	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				19+20+21	22+23+24	25+26+27	28
Total Cadmium	mg/kg	100	5	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result			
				29			
Total Cadmium	mg/kg	100	5	ND			

Remark:

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

The limit(s) was/were referred from various court cases. Compliance with the above stated limit(s) does not show compliance with Proposition 65 or a guarantee against possible legal action but provides a relative level of assurance against potential lawsuits.

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Phthalates Content

Test Request: Phthalates Content as specified in US California Proposition 65

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

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					2	3+4+5	7+8
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND	ND	ND
Benzyl butyl phthalate (BBP)	85-68-7	%	0.1	0.005	ND	ND	ND
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND	ND	ND
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND	ND	ND
Diisodecyl phthalate (DIDP)	26761-40-0	%	0.1	0.005	ND	ND	ND
Phthalic acid, bis-hexyl ester (DnHP)	84-75-3	%	0.1	0.005	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					29		
Dibutylphthalate (DBP)	84-74-2	%	0.1	0.005	ND		
Benzyl butyl phthalate (BBP)	85-68-7	%	0.1	0.005	ND		
Diethylhexylphthalate (DEHP)	117-81-7	%	0.1	0.005	ND		
Diisononyl phthalate (DINP)	28553-12-0	%	0.1	0.005	ND		
Diisodecyl phthalate (DIDP)	26761-40-0	%	0.1	0.005	ND		
Phthalic acid, bis-hexyl ester (DnHP)	84-75-3	%	0.1	0.005	ND		

Remarks:

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

The limit(s) was/were referred from various court cases.

Compliance with the above stated limit(s) does not show compliance with Proposition 65 or a guarantee against possible legal action but provides a relative level of assurance against potential lawsuits.

TO BE CONTINUED

TEST RESULT

Total Lead Content

Test Request: Total lead content as specified in US 16 CFR 1303

Test Method: CPSC-CH-E1003-09.1

The sample was acid digested, and total lead content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result
				1
Total Lead (Pb)	mg/kg	90	10	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Fluorine (F) Content

Test Request: Fluorine (F) Content as specified in client' s request

Test Method: With reference to EN 14582:2016, analysis was performed by IC

Test Item(s)	Unit	Limit	MDL	Result			
				2	3	4	6
Fluorine (F)	mg/kg	< 1000	50	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result		
				7	8	9
Fluorine (F)	mg/kg	< 1000	50	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Chlorine (Cl) Content

Test Request: Chlorine (Cl) content as requested by client' s request.

Test Method: With reference to EN 14582:2016, Analysis was performed by IC.

Test Item(s)	Unit	Limit	MDL	Result			
				2	3	4	6
Chlorine (Cl)	mg/kg	< 1000	50	ND	183	266	1018*

Test Item(s)	Unit	Limit	MDL	Result		
				7	8	9
Chlorine (Cl)	mg/kg	< 1000	50	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

* The result was found to be more than the permissible limit.

TO BE CONTINUED

TEST RESULT

Bromine (Br) Content

Test Request: Bromine (Br) content as requested by client's request.

Test Method: With reference to EN 14582:2016, analysis was performed by IC

Test Item(s)	Unit	Limit	MDL	Result			
				2	3	4	6
Bromine (Br)	mg/kg	< 1000	50	ND	ND	ND	ND

Test Item(s)	Unit	Limit	MDL	Result		
				7	8	9
Bromine (Br)	mg/kg	< 1000	50	ND	ND	ND

Remark:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

Total Phosphorus(P) Content

Test Request: Total phosphorus content as specified in client's request.

Test Method: With reference to EPA 3050B:1996, EPA 3051A:2007, EPA 3052:1996
Acid digestion/ microwave digestion method was used and total phosphorus content was determined by ICP-OES.

Test Item(s)	Unit	Limit	MDL	Result			
				2	3	4	6
Phosphorus	mg/kg	< 1000	25	154	ND	26	118

Test Item(s)	Unit	Limit	MDL	Result		
				7	8	9
Phosphorus	mg/kg	< 1000	25	ND	ND	ND

Remark:

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, analysis was performed by GC-MS and confirmed with HPLC-DAD

Test Item(s)	CAS No.	Unit	Limit	MDL	Result		
					11	12	13+14+15
4-methyl-m-phenylenediamine / 2,4-Toluylenediamine	95-80-7	mg/kg	30	5	ND	ND	ND
2-Naphthylamine	91-59-8	mg/kg	30	5	ND	ND	ND
4,4'-methylenedi-o-toluidine / 3,3'-Dimethyl-4,4'-diaminodiphenylmethane	838-88-0	mg/kg	30	5	ND	ND	ND
Bis-(4-aminophenyl)methane	101-77-9	mg/kg	30	5	ND	ND	ND
4,4'-Oxydianiline	101-80-4	mg/kg	30	5	ND	ND	ND
4,4'-Thiodianiline	139-65-1	mg/kg	30	5	ND	ND	ND
Benzidine	92-87-5	mg/kg	30	5	ND	ND	ND
o-Toluidine	95-53-4	mg/kg	30	5	ND	ND	ND
5-Nitro-o-toluidine (Note 1)	99-55-8	mg/kg	30	5	ND	ND	ND
o-Aminoazotoluene (Note 1)	97-56-3	mg/kg	30	5	ND	ND	ND
4-methoxy-m-phenylenediamine / 2,4-Diaminoanisole	615-05-4	mg/kg	30	5	ND	ND	ND
4,4'-Methylene-bis-(2-chloroaniline)	101-14-4	mg/kg	30	5	ND	ND	ND
2,4,5-Trimethylaniline	137-17-7	mg/kg	30	5	ND	ND	ND
4-Aminobiphenyl	92-67-1	mg/kg	30	5	ND	ND	ND
o-Anisidine	90-04-0	mg/kg	30	5	ND	ND	ND
3,3'-Dichlorobenzidine	91-94-1	mg/kg	30	5	ND	ND	ND
4-Chloroaniline	106-47-8	mg/kg	30	5	ND	ND	ND
3,3'-Dimethoxybenzidine	119-90-4	mg/kg	30	5	ND	ND	ND
3,3'-dimethylbenzidine	119-93-7	mg/kg	30	5	ND	ND	ND
2-Methoxy-5-methylaniline	120-71-8	mg/kg	30	5	ND	ND	ND
4-Chloro-2-methylaniline	95-69-2	mg/kg	30	5	ND	ND	ND
4-Amino-azobenzene (Note 2)	60-09-3	mg/kg	30	5	ND	ND	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

TO BE CONTINUED

TEST RESULT

Dimethylfumarate (DMFu) Content

Test Request: Dimethylfumarate (DMFu) content as specified in Regulation (EU) No 412/2012 amending entry 61 of annex XVII of REACH Regulation (EC) No 1907/2006.

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

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					11	12	13	14
Dimethyl fumarate (DMFu)	624-49-7	mg/kg	0.1	0.1	ND	ND	ND	ND

Test Item(s)	CAS No.	Unit	Limit	MDL	Result			
					15			
Dimethyl fumarate (DMFu)	624-49-7	mg/kg	0.1	0.1	ND			

Remarks:

mg/kg = milligram per kilogram

MDL = method detection limit

ND = Not detected, less than MDL

TO BE CONTINUED

TEST RESULT

Carcinogenic Disperse Dyes

Test Method: DIN 54231:2005, solvent extraction and determination by HPLC-DAD-MS

Test Item(s)	CAS No.	Unit	MDL	Result		
				11	12	13+14+15
Basic Red 9	569-61-9	mg/kg	15	ND	ND	ND
Acid Red 26	3761-53-3	mg/kg	15	ND	ND	ND
Direct Black 38	1937-37-7	mg/kg	15	ND	ND	ND
Direct Blue 6	2602-46-2	mg/kg	15	ND	ND	ND
Direct Red 28	573-58-0	mg/kg	15	ND	ND	ND
Disperse Blue 1	2475-45-8	mg/kg	15	ND	ND	ND
Disperse Orange 11	82-28-0	mg/kg	15	ND	ND	ND
Disperse Yellow 3	2832-40-8	mg/kg	15	ND	ND	ND
Basic Violet 14	632-99-5	mg/kg	15	ND	ND	ND

Remarks:

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

Allergic Disperse Dyes

Test Method: DIN 54231:2005, solvent extraction and determination by HPLC-DAD-MS

Test Item(s)	CAS No.	Unit	MDL	Result		
				11	12	13+14+15
C.I. Disperse Blue 3	2475-46-9	mg/kg	15	ND	ND	ND
C.I. Disperse Orange 37/76/59	-	mg/kg	15	ND	ND	ND
C.I. Disperse Blue 106	12223-01-7	mg/kg	15	ND	ND	ND
C.I. Disperse Blue 124	61951-51-7	mg/kg	15	ND	ND	ND
C.I. Disperse Blue 1	2475-45-8	mg/kg	15	ND	ND	ND
C.I. Disperse Blue 102	12222-97-8	mg/kg	15	ND	ND	ND
C.I. Disperse Blue 26	3860-63-7	mg/kg	15	ND	ND	ND
C.I. Disperse Blue 35	12222-75-2	mg/kg	15	ND	ND	ND
C.I. Disperse Blue 7	3179-90-6	mg/kg	15	ND	ND	ND
C.I. Disperse Brown 1	23355-64-8	mg/kg	15	ND	ND	ND
C.I. Disperse Orange 1	2581-69-3	mg/kg	15	ND	ND	ND
C.I. Disperse Orange 149	85136-74-9	mg/kg	15	ND	ND	ND
C.I. Disperse Orange 3	730-40-5	mg/kg	15	ND	ND	ND
C.I. Disperse Red 1	2872-52-8	mg/kg	15	ND	ND	ND
C.I. Disperse Red 11	2872-48-2	mg/kg	15	ND	ND	ND
C.I. Disperse Red 17	3179-89-3	mg/kg	15	ND	ND	ND
C.I. Disperse Yellow 1	119-15-3	mg/kg	15	ND	ND	ND
C.I. Disperse Yellow 23	6250-23-3	mg/kg	15	ND	ND	ND
C.I. Disperse Yellow 3	2832-40-8	mg/kg	15	ND	ND	ND
C.I. Disperse Yellow 39	12236-29-2	mg/kg	15	ND	ND	ND
C.I. Disperse Yellow 49	54824-37-2	mg/kg	15	ND	ND	ND
C.I. Disperse Yellow 9	6373-73-5	mg/kg	15	ND	ND	ND

Remarks:

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

Perfluorooctanoic acid (PFOA), its salts and PFOA related compounds

Test Request: Perfluorooctanoic acid (PFOA) or any of its salts where they are present in substances, mixtures or articles as specified in Regulation (EU) 2019/1021 of the European Parliament and Amendment (EU) 2020/784 and of the Council on persistent organic pollutants as regards Annex I Part A.

Test Method: With reference to EN 17681-1:2022 and EN 17681-2:2022, extract with organic solvent, analysis with LC-MS and GC-MS.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result		
					2	3	4
Perfluorooctanoic acid (PFOA)	335-67-1	mg/kg	0.025	0.025	ND	ND	ND
Sodium perfluorooctanoate (PFOA-Na)	335-95-5	mg/kg	0.025	0.025	ND	ND	ND
Potassium perfluorooctanoate (PFOA-K)	2395-00-8	mg/kg	0.025	0.025	ND	ND	ND
Silver perfluorooctanoate (PFOA-Ag)	335-93-3	mg/kg	0.025	0.025	ND	ND	ND
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	mg/kg	0.025	0.025	ND	ND	ND
Ammonium pentaecafluorooctanoate (APFO)	3825-26-1	mg/kg	0.025	0.025	ND	ND	ND
Perfluorooctane iodide(PFOI)	507-63-1	mg/kg	1.0	0.2	ND	ND	ND
Methyl perfluorooctanoate(Me-PFOA)	376-27-2	mg/kg	1.0	0.2	ND	ND	ND
Ethyl perfluorooctanoate(Et-PFOA)	3108-24-5	mg/kg	1.0	0.2	ND	ND	ND
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	1.0	0.2	ND	ND	ND
Perfluorodecylethyl acrylate(8:2 FTA)	27905-45-9	mg/kg	1.0	0.2	ND	ND	ND
1H,1H,2H,2H-Perfluorodecyl methacrylate(8:2 FTMA)	1996-88-9	mg/kg	1.0	0.2	ND	ND	ND
1H,1H,2H,2H-Perfluorodecanesulfonic acid(8:2 FTS)	39108-34-4	mg/kg	1.0	0.2	ND	ND	ND
Sum of PFOA related substances	-	mg/kg	1.0	-	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result			
					6	7	8	9
Perfluorooctanoic acid (PFOA)	335-67-1	mg/kg	0.025	0.025	ND	ND	ND	ND
Sodium perfluorooctanoate (PFOA-Na)	335-95-5	mg/kg	0.025	0.025	ND	ND	ND	ND
Potassium perfluorooctanoate (PFOA-K)	2395-00-8	mg/kg	0.025	0.025	ND	ND	ND	ND
Silver perfluorooctanoate (PFOA-Ag)	335-93-3	mg/kg	0.025	0.025	ND	ND	ND	ND
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	mg/kg	0.025	0.025	ND	ND	ND	ND
Ammonium pentaecafluorooctanoate (APFO)	3825-26-1	mg/kg	0.025	0.025	ND	ND	ND	ND
Perfluorooctane iodide(PFOI)	507-63-1	mg/kg	1.0	0.2	ND	ND	ND	ND
Methyl perfluorooctanoate(Me-PFOA)	376-27-2	mg/kg	1.0	0.2	ND	ND	ND	ND
Ethyl perfluorooctanoate(Et-PFOA)	3108-24-5	mg/kg	1.0	0.2	ND	ND	ND	ND
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	1.0	0.2	ND	ND	ND	ND
Perfluorodecylethyl acrylate(8:2 FTA)	27905-45-9	mg/kg	1.0	0.2	ND	ND	ND	ND
1H,1H,2H,2H-Perfluorodecyl methacrylate(8:2 FTMA)	1996-88-9	mg/kg	1.0	0.2	ND	ND	ND	ND
1H,1H,2H,2H-Perfluorodecanesulfonic acid(8:2 FTS)	39108-34-4	mg/kg	1.0	0.2	ND	ND	ND	ND
Sum of PFOA related substances	-	mg/kg	1.0	-	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result			
					10	11	12	13
Perfluorooctanoic acid (PFOA)	335-67-1	mg/kg	0.025	0.025	ND	ND	ND	ND
Sodium perfluorooctanoate (PFOA-Na)	335-95-5	mg/kg	0.025	0.025	ND	ND	ND	ND
Potassium perfluorooctanoate (PFOA-K)	2395-00-8	mg/kg	0.025	0.025	ND	ND	ND	ND
Silver perfluorooctanoate (PFOA-Ag)	335-93-3	mg/kg	0.025	0.025	ND	ND	ND	ND
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	mg/kg	0.025	0.025	ND	ND	ND	ND
Ammonium pentaecafluorooctanoate (APFO)	3825-26-1	mg/kg	0.025	0.025	ND	ND	ND	ND
Perfluorooctane iodide(PFOI)	507-63-1	mg/kg	1.0	0.2	ND	ND	ND	ND
Methyl perfluorooctanoate(Me-PFOA)	376-27-2	mg/kg	1.0	0.2	ND	ND	ND	ND
Ethyl perfluorooctanoate(Et-PFOA)	3108-24-5	mg/kg	1.0	0.2	ND	ND	ND	ND
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	1.0	0.2	ND	ND	ND	ND
Perfluorodecylethyl acrylate(8:2 FTA)	27905-45-9	mg/kg	1.0	0.2	ND	ND	ND	ND
1H,1H,2H,2H-Perfluorodecyl methacrylate(8:2 FTMA)	1996-88-9	mg/kg	1.0	0.2	ND	ND	ND	ND
1H,1H,2H,2H-Perfluorodecanesulfonic acid(8:2 FTS)	39108-34-4	mg/kg	1.0	0.2	ND	ND	ND	ND
Sum of PFOA related substances	-	mg/kg	1.0	-	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result	
					14	15
Perfluorooctanoic acid (PFOA)	335-67-1	mg/kg	0.025	0.025	ND	ND
Sodium perfluorooctanoate (PFOA-Na)	335-95-5	mg/kg	0.025	0.025	ND	ND
Potassium perfluorooctanoate (PFOA-K)	2395-00-8	mg/kg	0.025	0.025	ND	ND
Silver perfluorooctanoate (PFOA-Ag)	335-93-3	mg/kg	0.025	0.025	ND	ND
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	mg/kg	0.025	0.025	ND	ND
Ammonium pentaecafluorooctanoate (APFO)	3825-26-1	mg/kg	0.025	0.025	ND	ND
Perfluorooctane iodide(PFOI)	507-63-1	mg/kg	1.0	0.2	ND	ND
Methyl perfluorooctanoate(Me-PFOA)	376-27-2	mg/kg	1.0	0.2	ND	ND
Ethyl perfluorooctanoate(Et-PFOA)	3108-24-5	mg/kg	1.0	0.2	ND	ND
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	mg/kg	1.0	0.2	ND	ND
Perfluorodecylethyl acrylate(8:2 FTA)	27905-45-9	mg/kg	1.0	0.2	ND	ND
1H,1H,2H,2H-Perfluorodecyl methacrylate(8:2 FTMA)	1996-88-9	mg/kg	1.0	0.2	ND	ND
1H,1H,2H,2H-Perfluorodecanesulfonic acid(8:2 FTS)	39108-34-4	mg/kg	1.0	0.2	ND	ND
Sum of PFOA related substances	-	mg/kg	1.0	-	ND	ND

Remark:

MDL = method detection limit

ND = Not detected, less than MDL

The test results of PFOA salts are calculated based on PFOA content.

TO BE CONTINUED

TEST RESULT

Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds

Test Request: Perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds where they are present in substances, mixtures or articles as specified in Regulation (EU) 2019/1021 of the European Parliament and Amendment (EU) 2023/1608 and of the Council on persistent organic pollutants as regards Annex I Part A.

Test Method: With reference to EN 17681-1:2022 and EN 17681-2:2022, extract with organic solvent, analysis with LC-MS and GC-MS.

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result			
					11	12	13	14
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	mg/kg	0.025	0.025	ND	ND	ND	ND
Sodium perfluorohexanesulfonate (PFHxS-Na)	82382-12-5	mg/kg	0.025	0.025	ND	ND	ND	ND
Potassium perfluorohexanesulfonate (PFHxS-K)	3871-99-6	mg/kg	0.025	0.025	ND	ND	ND	ND
Ammonium perfluorohexane-1-sulphonate (PFHxS-NH ₄)	68259-08-5	mg/kg	0.025	0.025	ND	ND	ND	ND
perfluorohexane-1-sulphonate lithium salt (PFHxS-Li)	55120-77-9	mg/kg	0.025	0.025	ND	ND	ND	ND
perfluorohexane-1-sulphonate zinc salt (PFHxS-Zn)	70136-72-0	mg/kg	0.025	0.025	ND	ND	ND	ND
N-Methylperfluoro-1-hexane sulfonamide (N-Me-FHxSA)	68259-15-4	mg/kg	-	0.2	ND	ND	ND	ND
Perfluorohexane sulfonamide (PFHxSA)	41997-13-1	mg/kg	-	0.2	ND	ND	ND	ND
Sum of PFHxS related substances	-	mg/kg	1.0	-	ND	ND	ND	ND

TO BE CONTINUED

TEST RESULT

Tested Item(s)	CAS No.	Unit	Limit	MDL	Result
					15
Perfluorohexane sulfonic acid (PFHxS)	355-46-4	mg/kg	0.025	0.025	ND
Sodium perfluorohexanesulfonate (PFHxS-Na)	82382-12-5	mg/kg	0.025	0.025	ND
Potassium perfluorohexanesulfonate (PFHxS-K)	3871-99-6	mg/kg	0.025	0.025	ND
Ammonium perfluorohexane-1-sulphonate (PFHxS-NH ₄)	68259-08-5	mg/kg	0.025	0.025	ND
perfluorohexane-1-sulphonate lithium salt (PFHxS-Li)	55120-77-9	mg/kg	0.025	0.025	ND
perfluorohexane-1-sulphonate zinc salt (PFHxS-Zn)	70136-72-0	mg/kg	0.025	0.025	ND
N-Methylperfluoro-1-hexane sulfonamide (N-Me-FHxSA)	68259-15-4	mg/kg	-	0.2	ND
Perfluorohexane sulfonamide (PFHxSA)	41997-13-1	mg/kg	-	0.2	ND
Sum of PFHxS related substances	-	mg/kg	1.0	-	ND

Remark:

MDL = method detection limit

ND = Not detected, less than MDL

The test results of PFHxS salts are calculated based on PFHxS content.

END OF THE REPORT