中国认可
国际互认
检测
TESTING
CNAS L21870

Test Report

Sample Name:	UVC LED Water Disinfection System
Sample model:	MP-UVC-9LC
Applicant:	MASSPHOTON LIMITED
Report date:	May 06,2025

Fujian Berton Testing Service Co., Ltd.

APPROVED

1/F., Building 2, No.23, Xinye Road, Wuping, Longyan, Fujian, china
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Test Report

Test Report No.	BT250522612181EN
Date of Issue	May 06,2025
Standard(s)	As requested by client, SVHC screening is performed according to: Test the content of 247 Substances of High Concern (SVHC) published by the European Chemicals Agency (ECHA on 21 Jan. 2025) in accordance with EU REACH Regulation (EC) No.1907 / 2006. The concentration of the substance of high concern (of 247 SVHC) was less than 0.1% (w / w) for the specified range and analytical technique.

CLIENT INFORMATION:

Testing Laboratory name	Fujian Berton Testing Service Co., Ltd.
Address of Laboratory	1/F., Building 2, No.23, Xinye Road, Wuping, Longyan, Fujian, china
Applicant	MASSPHOTON LIMITED
Address of Applicant	Unit 542, 5/F, Building 5W, Phase One, Hong Kong Science Park, Pak Shek Kok, New Territories,Hong Kong
Manufacturer	MASSPHOTON LIMITED
Address of Manufacture	Unit 542, 5/F, Building 5W, Phase One, Hong Kong Science Park, Pak Shek Kok, New Territories,Hong Kong

SAMPLEINFORMATION:

Sample Name	UVC LED Water Disinfection System
Sample Model	MP-UVC-9LC
Additional model	MP-UVC-200LB, MP-UVC-180LB, MP-UVC-150LB, MP-UVC-130LB, MP-UVC-110LB, MP-UVC-100LB, MP-UVC-90LB, MP-UVC-70LB, MP-UVC-60LB, MP-UVC-50LB, MP-UVC-50LC, MP-UVC-48LB, MP-UVC-48LC, MP-UVC-35LB, MP-UVC-35LC, MP-UVC-30LB, MP-UVC-30LC, MP-UVC-25LB, MP-UVC-25LC, MP-UVC-24LB, MP-UVC-24LC, MP-UVC-18LB, MP-UVC-18LC, MP-UVC-16LB, MP-UVC-16LC, MP-UVC-15LB, MP-UVC-15LC, MP-UVC-12LB, MP-UVC-12LC, MP-UVC-9LC1, MP-UVC-9LC0, MP-UVC-9LC, MP-UVC-9LB, MP-UVC-7.5LC, MP-UVC-7.5LB, MP-UVC-6LC, MP-UVC-6LB, MP-UVC-4LC1, MP-UVC-4LC0, MP-UVC-4LB, MP-UVC-3LB, MP-UVC-3LC, MP-UVC-2LB, MP-UVC-2LC, MP-UVC-1.5LB, MP-UVC-0.8LB, MP-UVC-0.5LB, MP-UVC-0.3LB, MP-UVC-0.1LB
Trademark	/
Testing Period:	Apr.23,2025 to May 06,2025

OVERALL RESULT:

Test Result(S)	PASS

Fujian Berton Testing Service Co., Ltd. APPROVED

Approved by: Chen Liang **Reviewed by:** Gina **Tested by:** Leo

Test Requested : As requested by client, SVHC screening is performed according to: Test the content of 242 Substances of High Concern (SVHC) published by the European Chemicals Agency (ECHA on 7 Nov 2024) in accordance with EU REACH Regulation (EC) No.1907 / 2006. The concentration of the substance of high concern (of 242 SVHC) was less than 0.1% (w / w) for the specified range and analytical technique.

Summary : According to the specified scope and analytical techniques,the test results of SVHC are ≤0.1%(w/w)in the submitted sample.

Test method and Test equipment:

No.	Test Item	CAS No.	Test Method	Test Equipment
1	Anthracene	120-12-7	AFPS GS 2014:01 PAK	GC-MS
2	4,4'-Diaminodiphenylmenthane	101-77-9	EN ISO 14362-1:2017	GC-MS
3	Dibuty1 phthalate (DBP)	84-74-2	EN 14372:2004	GC-MS
4	5-tert-buty1-2,4,6-trinitro-m- Xylene(musk xylene)	81-15-2	EPA 3550C:2007	GC-MS
5	Bis(2-ethyl(phthalate)(DEHP)	117-81-7	EN 14372:2004	GC-MS
6	Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 (134237-51-7, 34237-50-6, 134237-52-8)	EPA 3550C:2007	GC-MS
7	Alkanes,C10-13,chloro(Short Chain Chlorinated Paraffins)	85535-84-8	EPA 8082A:2007 /EPA 8081B:2007	GC-MS
8	Benzyl butyl phthalate (BBP)	85-68-7	EN 14372:2004	GC-MS
9	Bis(tributyltin)oxide	56-35-9	BS ISO 17353:2004	GC-MS
10	Cobalt dichloride	7646-79-9	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996	ICP-OES IC-ECD
11	Diarsenic pentaoxide	1303-28-2	EPA 3050B:1996 /EPA 3051A:2007	ICP-OES

No.	Test Item	CAS No.	Test Method	Test Equipment
			/EPA 3052:1996	
12	Diarsenic trioxide	1327-53-3	EPA 3052:1996	ICP-OES
13	Triethyl arsenate	15606-95-8	EPA 3052:1996	ICP-OES
14	Lead hydrogen arsenate	7784-40-9	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996	ICP-OES
15	Sodium dichromate, dihydrate	10588-01-9	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 / EPA 3060A:1996	ICP-OES Uv-Vis
16	Anthracene oil	90640-80-5	AFPS GS 2014:01 PAK	GC-MS
17	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	AFPS GS 2014:01 PAK	GC-MS
18	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	AFPS GS 2014:01 PAK	GC-MS
19	Anthracene oil, anthracene-low	90640-82-7	AFPS GS 2014:01 PAK	GC-MS
20	Anthracene oil, anthracene paste	90640-81-6	AFPS GS 2014:01 PAK	GC-MS
21	Diisobutyl phthalate	84-69-5	EN 14372:2004	GC-MS
22	2,4-Dinitrotoluene	121-14-2	EPA 3540C:1996	GC-MS
23	coal tar pitch,high temperature	65996-93-2	AFPS GS 2014:01 PAK	GC-MS
24	tris(2-chloroethyl)phosphate	115-96-8	EPA 3540C:1996	GC-MS
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	1344-37-2	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 /EPA 3060A:1996	ICP-OES Uv-Vis

No.	Test Item	CAS No.	Test Method	Test Equipment
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	12656-85-8	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 /EPA 3060A:1996	ICP-OES Uv-Vis
27	Lead chromate	7758-97-6	EPA 3050B:1996 /EPA 3051A:2007 /EPA 3052:1996 /EPA 3060A:1996	ICP-OES Uv-Vis
28	Acrylamide	79-06-1	EPA 3550C:2007	GC-MS
29	Trichloroethylene	79-01-6	EPA 3550C:2007	GC-MS
30	Boric acid	11113-50-1	EPA 3051A:2007	ICP-OES
31	Disodium tetraborate, anhydrou	12179-04-3	EPA 3051A:2007	ICP-OES
32	tetraboron disodium heptaoxide hydrate	12267-73-1	EPA 3051A:2007	ICP-OES
33	Sodium chromate	7775-11-3	EPA 3051A:2007	ICP-OES
34	Potassium chromate	7789-00-6	EPA 3051A:2007	ICP-OES
35	Ammonium dichromate	7789-09-5	EPA 3051A:2007	ICP-OES
36	Potassium dichromate	7778-50-9	EPA 3051A:2007	ICP-OES
37	Cobalt sulfate	10124-43-3	EPA 3051A:2007	ICP-OES
38	Cobalt dinitrat	10141-05-6	EPA 3051A:2007	ICP-OES
39	Cobalt carbonate	513-79-1	EPA 3051A:2007	ICP-OES
40	Cobalt diacetate	71-48-7	EPA 3051A:2007	ICP-OES
41	2-Methoxyethanol	109-86-4	EPA 3540C:1996	GC-MS
42	2-Ethoxyethanol	110-80-5	EPA 3540C:1996	GC-MS

No.	Test Item	CAS No.	Test Method	Test Equipment
43	Chromium trioxide	1333-82-0	EPA 3060A:1996	Uv-Vis
44	Chromic acid	7738-94-5	EPA 3060A:1996	Uv-Vis
	Dichromic acid	13530-68-2		
	Oligomers of chromicacid and dichromic acid	--		
45	2- ethoxyethyl acetate	111-15-9	EPA 3550C:2007	GC-MS
46	strontium chromate	7789-06-2	EPA 3051A:2007	ICP-OES
47	1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters	68515-42-4	EPA 3550C:2007	GC-MS
48	Hydrazine	7803-57-8 302-01-2	EPA 3540C:1996	GC-MS
49	1-Methyl-2-pyrrolidinone	872-50-4	EPA 3550C:2007	GC-MS
50	1,2,3-trichloropropane	96-18-4	EPA 3540C:1996	GC-MS
51	1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters,C7-rich	71888-89-6	EPA 3550C:2007	GC-MS
52	Zirconia Aluminosilicate Refractory Ceramic Fibres	--	EPA 3051A:2007	ICP-OES
53	Calcium arsenate	7778-44-1	EPA 3051A:2007	ICP-OES
54	Bis(2-methoxyethyl) ether	111-96-6	EPA 3540C:1996	GC-MS
55	Aluminosilicate Refractory Ceramic Fibres	--	EPA 3051A:2007	ICP-OES
56	Chromate, hydroxyoctaoxodizincatedi-, potassium	11103-86-9	EPA 3051A:2007	ICP-OES
57	Lead dipicrate	6477-64-1	EPA 3051A:2007	ICP-OES
58	N,N-dimethylacetamide	127-19-5	EPA 3540C:1996	GC-MS
59	Arsenic acid	7778-39-4	EPA 3051A:2007	ICP-OES
60	2-Methoxyaniline; o-Anisidine	90-04-0	EPA 3540C:1996	GC-MS
61	Trilead diarsenate	3687-31-8	EPA 3540C:1996	GC-MS
62	1,2-dichloroethane	107-06-2	EPA 3540C:1996	GC-MS

No.	Test Item	CAS No.	Test Method	Test Equipment
63	Pentazinc chromate octahydroxide	49663-84-5	EPA 3052:1996	ICP-OES
64	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	EPA 3540C:1996	GC-MS
65	Formaldehyde, oligomeric reaction products aniline	25214-70-4	EPA 3060A:1996 EPA 3540C:1996	UV-Vis GC-MS
66	Bis(2-methoxyethyl) phthalate	117-82-8	EPA 3540C:1996	GC-MS
67	Lead diazide, Lead azide	13424-46-9	EPA 3052:1996	ICP-OES
68	Lead styphnate	15245-44-0	EPA 3052:1996	ICP-OES
69	2,2'-dichloro-4,4'-methylenedianiline	101-14-4	EPA 3540C:1996	GC-MS
70	Phenolphthalein	77-09-8	EPA 3540C:1996	GC-MS
71	Dichromium tris(chromate)	24613-89-6	EPA 3052:1996	ICP-OES
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	EPA 3540C:1996	GC-MS
73	1,2-dimethoxyethane;ethylene glycol dimethyl ether (EGDME)	110-71-4	EPA 3540C:1996	GC-MS
74	Diboron trioxide	1303-86-2	EPA 3052:1996	ICP-OES
75	Formamide	75-12-7	EPA 3540C:1996	GC-MS
76	Lead(II)bis(methanesulfonate)	17570-76-2	EPA 3052:1996	ICP-OES
77	TGIC(1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	EPA 3540C:1996	GC-MS
78	β-TGIC(1,3,5-tris [(2Sand2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	EPA 3540C:1996	GC-MS
79	4,4'-bis(dimethylamino) benzophenone(Michler's ketone)	90-94-8	EPA 3540C:1996	GC-MS
80	N,N,N',N'-tetramethyl-4,4'-methylenedi aniline (Michler's base)	101-61-1	EPA 3540C:1996	GC-MS
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	EPA 3540C:1996	GC-MS
82	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl]methylene] cyclohexa-2,5-dien-1-ylidene]	2580-56-5	EPA 3540C:1996	GC-MS

No.	Test Item	CAS No.	Test Method	Test Equipment
	dimethylammonium chloride (C.I. Basic Blue 26)			
83	α,α-Bis[4-(dimethylamino)phenyl] -4 (phenylamino)naphthalene -1-methanol (C.I. Solvent Blue 4)	6786-83-0	EPA 3540C:1996	GC-MS
84	4,4'-bis(dimethylamino)-4"-(methylami no)trityl alcohol	561-41-1	EPA 3540C:1996	GC-MS
85	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3 -oxazolidine	143860-04-2	EPA 3540C:1996	GC-MS
86	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	EPA 3540C:1996	GC-MS
87	N-methylacetamide	79-16-3	EPA 3540C:1996	GC-MS
88	Pentalead tetraoxide sulphate	12065-90-6	EPA 3052:1996	ICP-OES
89	Biphenyl-4-ylamine	202-177-1	EPA 3540C:1996	GC-MS
90	Dinoseb	88-85-7	EPA 3540C:1996	GC-MS
91	Dioxobis(stearato)trilead	12578-12-0	EPA 3052:1996	ICP-OES
92	Lead dinitrate	10099-74-8	EPA 3052:1996	ICP-OES
93	Tetralead trioxide sulphate	12202-17-4	EPA 3052:1996	ICP-OES
94	Lead oxide (lead monoxide)	1317-36-8	EPA 3052:1996	ICP-OES
95	Lead titanium trioxide	12060-00-3	EPA 3052:1996	ICP-OES
96	4,4'-methylenedi-o-toluidine	838-88-0	EPA 3540C:1996	GC-MS
97	Acetic acid, lead salt, basic	51404-69-4	EPA 3052:1996	ICP-OES
98	Dimethyl sulphate	77-78-1	EPA 3540C:1996	GC-MS
99	Furan	110-00-9	EPA 3540C:1996	GC-MS
100	Pyrochlore, antimony lead yellow	8012-00-8	EPA 3540C:1996	GC-MS
101	Tetraethyllead	78-00-2	EPA 3052:1996	ICP-OES
102	[Phthalato(2-)]dioxotrilead	69011-06-9	EPA 3052:1996	ICP-OES
103	Diethyl sulphate	64-67-5	EPA 3540C:1996	GC-MS

No.	Test Item	CAS No.	Test Method	Test Equipment
104	Lead cynamidate	20837-86-9	EPA 3052:1996	ICP-OES
105	Silicic acid, barium salt, lead-doped	68784-75-8	EPA 3052:1996	ICP-OES
106	Trilead dioxide phosphonate	12141-20-7	EPA 3052:1996	ICP-OES
107	o-Toluidine; 2-Aminotoluene	95-53-4	EPA 3540C:1996	GC-MS
108	o-aminoazotoluene	97-56-3	EPA 3540C:1996	GC-MS
109	4-Aminoazobenzene; 4-Phenylazoaniline	60-09-03	EPA 3540C:1996	GC-MS
110	6-methoxy-m-toluidine (p-cresidine)	120-71-8	EPA 3540C:1996	GC-MS
111	Dibutyltin dichloride (DBT)	683-18-1	EPA 3540C:1996	GC-MS
112	Lead Titanium Zirconium Oxide	12626-81-2	EPA 3052:1996	ICP-OES
113	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	EPA 3540C:1996	GC-MS
114	1-bromopropane	106-94-5	EPA 3540C:1996	GC-MS
115	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	1319-46-6	EPA 3052:1996	ICP-OES
116	Fatty acids, C16-18, lead salts	91031-62-8	EPA 3052:1996	ICP-OES
117	Lead tetroxide (orange lead)	1314-41-6	EPA 3052:1996	ICP-OES
118	Sulfurous acid, lead salt, dibasic	62229-08-7	EPA 3052:1996	ICP-OES
119	4,4'-oxydianiline and its salts	101-80-4	EPA 3540C:1996	GC-MS
120	lead oxide sulphate	12036-76-9	EPA 3052:1996	ICP-OES
121	Lead bis(tetrafluoroborate)	13814-96-6	EPA 3052:1996	ICP-OES
122	Silicic acid, lead salt	11120-22-2	EPA 3052:1996	ICP-OES
123	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	EPA 3540C:1996	GC-MS
124	4-Nonylphenol, branched and linear - 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	--	EPA 3540C:1996	GC-MS

No.	Test Item	CAS No.	Test Method	Test Equipment
	include any of the individual isomers or a combination thereof			
125	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	EPA 3540C:1996	GC-MS
126	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	--	EPA 3540C:1996	GC-MS
127	1,2-Diethoxyethane	629-14-1	EPA 3540C:1996	GC-MS
128	Hexahydromethylphathalic anhydride Hexahydro-4-methylphathalic anhydride Hexahydro-1-methylphathalic anhydride Hexahydro-3-methylphathalic anhydride	25550-51-0 19438-60-9 48122-14-1 57110-29-9	EPA 3540C:1996	GC-MS
129	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	85-42-7	EPA 3540C:1996	GC-MS
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	EPA 3540C:1996	GC-MS
131	N-pentyl-isopentylphtalate	--	EPA 3540C:1996	GC-MS
132	Heptacosafluorotetradecanoic acid	376-06-7	EPA 3540C:1996	GC-MS
133	Pentacosafluorotridecanoic acid	72629-94-8	EPA 3540C:1996	GC-MS
134	Henicosafluoroundecanoic acid	2058-94-8	EPA 3540C:1996	GC-MS
135	Tricosafluorododecanoic acid	307-55-1	EPA 3540C:1996	GC-MS
136	Methoxy acetic acid	625-45-6	EPA 3540C:1996	GC-MS
137	Diisopentylphthalate	605-50-5	EPA 3540C:1996	GC-MS
138	N,N-dimethylformamide; dimethyl formamide	68-12-2	EPA 3540C:1996	GC-MS
139	Cadmium	7440-43-9	EPA 3050B:1996	ICP-OES
140	Cadmium oxide	1306-19-0	EPA 3050B:1996	ICP-OES
141	Dipentyl phthalate (DPP)	131-18-0	EPA 3540C:1996	GC-MS
142	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	--	EPA 3540C:1996	GC-MS

No.	Test Item	CAS No.	Test Method	Test Equipment
	include any of the individual isomers and/or combinations thereof]			
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	EPA 3540C:1996	GC-MS
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	EPA 3540C:1996	GC-MS
145	Cadmium Sulfide	1306-23-6	EPA 3050B:1996	ICP-OES
146	Di-N-Hexyl Phthalate	84-75-3	EPA 3540C:1996	GC-MS
147	Direct Red 28	573-58-0	EPA 3540C:1996	GC-MS
148	Direct Black 38	1937-37-7	EPA 3540C:1996	GC-MS
149	Ethlenethiourea	96-45-7	EPA 3540C:1996	GC-MS
150	Acetic Acid	301-04-2	EPA 3050B:1996	ICP-OES
151	Trixylyl Phosphate	25155-23-1	EPA 3540C:1996	GC-MS
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4.	EPA 3540C:1996	GC-MS
153	Cadmium chloride	10108-64-2.	EPA 3050B:1996	ICP-OES
154	Sodium perborate; perboric acid, sodium salt	--	EPA 3050B:1996	ICP-OES
155	Sodium peroxometaborate	7632-4-4	EPA 3050B:1996	ICP-OES
156	2-benzotriazol-2-yl-4,6-di-tert-butylphe nol (UV-320)	3846-71-7	EPA 3540C:1996	GC-MS
157	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-di thia-4-stannatetradecanoate (DOTE)	15571-58-1	EPA 3540C:1996	GC-MS
158	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-di thia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-ox oethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-di thia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	--	EPA 3540C:1996	GC-MS
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpent ylphenol (UV-328)	25973-55-1	EPA 3540C:1996	GC-MS
160	Cadmium fluoride	7790-79-6	EPA 3050B:1996	ICP-OES

No.	Test Item	CAS No.	Test Method	Test Equipment
161	Cadmium sulphate	10124-36-4, 31119-53-6	EPA 3050B:1996	ICP-OES
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	68515-51-5 68648-93-1	EPA 3540C:1996	GC-MS
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]	--	EPA 3540C:1996	GC-MS
164	1,3-propanesultone	1120-71-4	EPA 3540C:1996	GC-MS
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	3864-99-1	EPA 3540C:1996	GC-MS
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol	36437-37-3	EPA 3540C:1996	GC-MS
167	Nitrobenzene	98-95-3	EPA 3540C:1996	GC-MS
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	EPA 3540C:1996	GC-MS
169	Benzo[a]pyrene	50-32-8	AFPS GS 2014:01	GC-MS
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	EPA 3540C:1996	GC-MS
171	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	--	EPA 3050B:1996	ICP-OES
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	EPA 3540C:1996	GC-MS
173	p-(1,1-dimethylpropyl)phenol	80-46-6	EPA 3540C:1996	GC-MS
174	Perfluorohexane-1-sulphonic acid and its salts	--	EPA 3540C:1996	GC-MS
175	Benz[a]anthracene	56-55-3, 1718-53-2	AfPS GS 2014:01	GC-MS
176	Cadmium carbonate	513-78-0	EPA 3050B:1996	ICP-OES
177	Cadmium hydroxide	21041-95-2	EPA 3050B:1996	ICP-OES

No.	Test Item	CAS No.	Test Method	Test Equipment
178	Cadmium nitrate	10022-68-1, 10325-94-7	EPA 3050B:1996	ICP-OES
179	Chrysene	218-01-9, 1719-03-5	EPA 3540C:1996	GC-MS
180	Dodecachloropentacyclo[12.2.1.16,9.02 ,13.05,10]octadeca-7,15-diene (“Dechlorane Plus”™) covering any of its individual anti- and syn-isomers or any combination thereof	--	EPA 3540C:1996	GC-MS
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	--	EPA 3050B:1996	ICP-OES
182	Octamethylcyclotetrasiloxane D4	556-67-2	EPA 3540C:1996	GC-MS
183	Decamethylcyclopentasiloxane D5	541-02-6	EPA 3540C:1996	GC-MS
184	Dodecamethylcyclohexasiloxane D6	540-97-6	EPA 3540C:1996	GC-MS
185	Lead	7439-92-1	EPA 3050B:1996	ICP-OES
186	Disodium octaborate	12008-41-2	EPA 3050B:1996	ICP-OES
187	Benzo[ghi]perylene	191-24-2	AFPS GS 2014:01 PAK	GC-MS
188	Terphenyl, hydrogenated	61788-32-7	EPA 3540C:1996	GC-MS
189	Ethylenediamine EDA	107-15-3	EPA 3540C:1996	GC-MS
190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA	552-30-7	EPA 3540C:1996	GC-MS
191	Dicyclohexyl phthalate DCHP	84-61-7	EPA 3540C:1996	GC-MS
192	1,7,7-trimethyl-3-(phenylmethylene)bic yclo[2.2.1]heptan-2-one	15087-24-8	EPA 3540C:1996	GC-MS
193	2,2-bis(4'-hydroxyphenyl)-4-methylpen tane	6807-17-6	EPA 3540C:1996	GC-MS
194	Benzo[k]fluoranthene	207-08-9	AFPS GS 2014:01 PAK	GC-MS
195	Fluoranthene	206-44-0; 93951-69-0	AFPS GS 2014:01 PAK	GC-MS
196	Phenanthrene	85-01-8	AFPS GS 2014:01 PAK	GC-MS

No.	Test Item	CAS No.	Test Method	Test Equipment
197	Pyrene	129-00-0; 1718-52-1	AFPS GS 2014:01 PAK	GC-MS
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--	EPA 3540C:1996	GC-MS
198	2-methoxyethyl acetate	110-49-6	EPA 3540C:1996	GC-MS
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--	EPA 3540C:1996	GC-MS
200	2,3,3,3-tetrafluoro-2-(heptafluoropropo xy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	--	EPA 3540C:1996	GC-MS
201	4-tert-butylphenol	98-54-4	EPA 3540C:1996	GC-MS
202	Perfluorobutane sulfonic acid (PFBS) and its salts	--	EPA 3540C:1996	GC-MS
203	Diisohexyl phthalate	71850-09-4	EPA 3540C:1996	GC-MS
204	2-methyl-1-(4-methylthiophenyl)-2-mo rpholinopropan-1-one	71868-10-5	EPA 3540C:1996	GC-MS
205	2-benzyl-2-dimethylamino-4'-morpholi nobutyrophenone	119313-12-1	EPA 3540C:1996	GC-MS
206	1-vinylimidazole	1072-63-5	EPA3540C:19 96	GC-MS
207	2-methylimidazole	693-98-1	EPA3540C:19 96	GC-MS
208	Butyl 4-hydroxybenzoate	94-26-8	EPA3540C:19 96	GC-MS
209	Dibutylbis(pentane-2,4-dionato-O,O ')tin	22673-19-4	EPA3540C:19 96	GC-MS
210	Bis(2-(2-methoxyethoxy)ethl)ether	143-24-8	EPA3540C:19 96	GC-MS
211	Dioctyltin 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	--	EPA3540C:19 96	GC-MS
212	1,4-Dioxane (dioxane)	123-91-1	EPA3540C:19 96	GC-MS
213	2,2-bis(bromomethyl)-1,3-propanediol (BMP) Tribromoneopentanol (TBNPA) 2,3-Dibromo-1-propanol (2,3-DBPA)	3296-90-0 (BMP); 36483-57-5/ 1522-92-5 (TBNPA);	EPA3540C:19 96	GC-MS

No.	Test Item	CAS No.	Test Method	Test Equipment
		96-13-9 (2,3-DBPA)		
214	2-(4-tert-butylbenzyl) propanal and its stereoisomers	--	EPA3540C:1996	GC-MS
215	4,4'-(1-methylpropylene) bisphenol; (bisphenol B)	77-40-7	EPA3540C:1996	GC-MS
216	Glutaraldehyde	111-30-8	EPA3540C:1996	GC-MS
217	Medium chain chlorinated paraffin (MCCP) [UVCB substance, composed of ≥80% linear chlorinated alkanes, carbon chain length between C14 and C17]	--	EPA3540C:1996	GC-MS
218	Sodium borate	13840-56-7	EPA3540C:1996	GC-MS
219	Carbon chain (mainly C12, straight chain or branched chain) mainly in the para position of alkylphenol substances and any single isomer or combination (PDDP)	--	EPA3540C:1996	GC-MS
220	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol	119-47-1	EPA3540C:1996	GC-MS
221	tris(2-methoxyethoxy)vinylsilane	1067-53-4	EPA3540C:1996	GC-MS
222	(±)-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)	--	EPA3540C:1996	GC-MS
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	EPA3540C:1996	GC-MS
224	N-methylolacrylamide	924-42-5	EPA3540C:1996	GC-MS
225	N-hydroxymethylacrylamide and resorcinol	924-42-5	EPA3540C:1996	GC-MS
226	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	vPvB (Article 57e)
227	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	201-236-9	79-94-7	Carcinogenic (Article 57a)
228	4,4'-sulphonyldiphenol	201-250-5	80-09-1	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) -environment)

No.	Test Item	CAS No.	Test Method	Test Equipment
				Endocrine disrupting properties (Article 57(f) - human health)
229	Barium diboron tetraoxide	237-222-4	13701-59-2	Toxic for reproduction (Article 57c)
230	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	vPvB (Article 57e)
231	Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3	Endocrine disrupting properties (Article 57(f) - human health)
232	Melamine	203-615-4	108-78-1	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)
233	Perfluoroheptanoic acid and its salts	-	-	Toxic for reproduction (Article 57c) PBT (Article 57d) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) -

No.	Test Item	CAS No.	Test Method	Test Equipment
				environment)
234	4,4 ′ -dichlorodiphenylsulfone	80-07-9	201-247-9	For the synthesis of engineering plastics, dyes and polymers, such as, polysulfone, polyether sulfone, polyether ether ketone, etc
235	Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	278-355-8	UV curing coating and ink, mostly used in white system, can be used for UV curing coating, printing ink, UV curing adhesive, optical fiber coating, etc.; because the absorption peak of KLTPO is longer than the conventional initiator, the effective absorption peak is 350-400nm, can be absorbed to about 420nm, can be used as a high efficiency light initiator of styrene unsaturated polyester and acrylic resin. Suitable for UV curing

No.	Test Item	CAS No.	Test Method	Test Equipment
				coating, printing ink, UV curing adhesive, optical fiber coating, photoresist, photopolymer printing plate, stereoscopic flat plate resin, composite material, tooth filling material, etc. After illumination, benzoyl and phosphoryl radicals can be generated, which can trigger polymerization and accelerate the speed of photobleachin g, which can meet the requirements of deep curing of thick film and constant yellow coating. Because of low volatilization, no residue, especially suitable for requiring low odor products and transparent coating
236	Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	75980-60-8	278-355-8	GC-MS
237	2,4,6-tri-tert-butylpheno	211-989-5	732-26-3	GC-MS
238	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethyl butyl)phenol	221-537-5	3147-75-9	GC-MS

No.	Test Item	CAS No.	Test Method	Test Equipment
239	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	438-340-0	119344-86-4	GC-MS
240	Bumetrizole	223-445-4	3896-11-5	GC-MS
241	Bis(a,a-dimethylbenzyl)peroxide	80-43-3	201-279-3	GC-MS
242	Triphenyl phosphate	204-112-2	115-86-6	GC-MS
243	6-[(C10-C13)-a1ky1-(branched,unsaturated)-2,5-dioxopyrrolidin-1-yl] hexanoic acid	2156592-54-8	701-118-1	GC-MS
244	0,0,0-triphenyl phosphorothioate	597-82-0	209-909-9	GC-MS
245	Very persistent,very bioaccumulative,vPvB(Article 57e)	107-51-7	203-497-4	GC-MS
246	Perfluamine	338-83-0	206-420-2	GC-MS
247	Reaction mass of triphenylthiophosphate and tertiary butylated phenyl derivatives	192268-65-8	421-820-9	GC-MS

Test Results:

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
1	Anthracene	0.005	N.D.	--	PBT
2	4,4'-Diaminodiphenylmenthane	0.005	N.D.	--	Carcinogen Category 2
3	Dibuty1 phthalate (DBP)	0.005	N.D.	--	Toxic for reproduction Category 2
4	5-tert-buty1-2,4,6-trinitro-m-Xylene(musk xylene)	0.005	N.D.	--	vPvB
5	Bis(2-ethyl(phthalate) (DEHP)	0.005	N.D.	--	Toxic for reproduction Category 2
6	Hexabromocyclododecane(HBCDD)	0.005	N.D.	--	PBT
7	Alkanes,C10-13,chloro(Short Chain Chlorinated Paraffins)	0.01	N.D.	--	PBT
8	Benzyl butyl phthalate (BBP)	0.005	N.D.	--	Toxic for reproduction Category 2
9	Bis(tributyltin)oxide(TBTO)*	0.005	N.D.	--	PBT
10	Cobalt dichloride**	0.005	N.D.	N.D.	Carcinogen category 2
11	Diarsenic pentaoxide**	0.005	N.D.	N.D.	Carcinogen category 1
12	Diarsenic trioxide**	0.005	N.D.	N.D.	Carcinogen category 1
13	Triethyl arsenate**	0.005	N.D.	N.D.	Carcinogen category 1
14	Lead hydrogen arsenate**	0.005	N.D.	N.D.	Carcinogen category 1; Toxic for reproduction Category 1
15	Sodium dichromate**	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2; Mutagen Category 2
16	Anthracene oil	0.005	N.D.	--	PBT
17	Anthracene oil, anthracene paste, distn. Lights	0.005	N.D.	--	PBT
18	Anthracene oil, anthracene paste, anthracene fraction	0.005	N.D.	--	PBT
19	Anthracene oil,anthracene-low	0.005	N.D.	--	PBT

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
20	Anthracene oil, anthracene paste	0.050	N.D.	--	PBT
21	Diisobutyl phthalate	0.005	N.D.	--	Toxic for reproduction Category 2
22	2,4-Dinitrotoluene	0.005	N.D.	--	Carcinogen category 2
23	coal tar pitch, high temperature	0.050	N.D.	--	PBT; Carcinogen category 2
24	tris(2-chloroethyl)phosphate	0.005	N.D.	--	Carcinogen category 2; Toxic for reproduction Category 1
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 1
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 1
27	Lead chromate	0.005	N.D.	N.D.	Carcinogen category 1; Toxic for reproduction Category 1
28	Acrylamide	0.005	N.D.	--	Carcinogen category 2:Mutagen category 2
29	Trichloroethylene	0.005	N.D.	--	Carcinogen category 2
30	Boric acid	0.005	N.D.	N.D.	Toxic for reproduction category 2
31	Disodium tetraborate, anhydrou	0.005	N.D.	N.D.	Toxic for reproduction category 2
32	tetraboron disodium heptaoxide hydrate	0.005	N.D.	N.D.	Toxic for reproduction category 2
33	Sodium chromate	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2; Mutagen Category 2
34	Potassium chromate	0.005	N.D.	N.D.	Carcinogen category 2; Mutagen Category 2
35	Ammonium dichromate	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2; Mutagen Category 2
36	Potassium dichromate	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2; Mutagen Category 2

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
37	Cobalt sulfate	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2
38	Cobalt dinitrat	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2
39	Cobalt carbonate	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2
40	Cobalt diacetate	0.005	N.D.	N.D.	Carcinogen category 2; Toxic for reproduction Category 2
41	2-Methoxyethanol	0.005	N.D.	--	Toxic for reproduction Category 2
42	2-Ethoxyethanol	0.005	N.D.	--	Toxic for reproduction Category 2
43	Chromium trioxide	0.005	N.D.	N.D.	Carcinogen category 2; Mutagen Category 2
44	Chromic acid Dichromic acid Oligomers of chromicacid and dichromic acid	0.005	N.D.	N.D.	Carcinogen category 2
45	2- ethoxyethyl acetate	0.005	N.D.	--	Toxic for reproduction Category 2
46	Strontium chromate	0.005	N.D.	N.D.	Carcinogen category 2
47	1,2-Benzenedicarboxylic acid,di-(C7-11)-branched and linear alkyl esters	0.005	N.D.	--	Toxic for reproduction Category 2
48	Hydrazine	0.005	N.D.	--	Carcinogen category 2
49	1-Methyl-2-pyrrolidinone	0.005	N.D.	--	Toxic for reproduction Category 2
50	1,2,3-trichloropropane	0.005	N.D.	--	Carcinogen category 2; Toxic for reproduction Category 2
51	1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl esters,C7-rich	0.005	N.D.	--	Toxic for reproduction Category 2;
52	Zirconia Aluminosilicate Refractory Ceramic Fibres	0.005	N.D.	N.D.	Carcinogen category 2

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
53	Calcium arsenate	0.005	N.D.	N.D.	Carcinogen category 2
54	Bis(2-methoxyethyl) ether	0.005	N.D.	--	Toxic for reproduction Category 2
55	Aluminosilicate Refractory Ceramic Fibres	0.005	N.D.	N.D.	Carcinogen category 2
56	Potassium hydroxyoctaoxodizincatedichromate	0.005	N.D.	N.D.	Carcinogen category 2
57	Lead dipicrate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
58	N,N-dimethylacetamide	0.005	N.D.	--	Toxic for reproduction Category 2
59	Arsenic acid	0.005	N.D.	N.D.	Carcinogen category 2
60	2-Methoxyaniline; o-Anisidine	0.005	N.D.	--	Carcinogen category 2
61	Trilead diarsenate	0.005	N.D.	--	Carcinogen category 2; Toxic for reproduction Category 2
62	1,2-dichloroethane	0.005	N.D.	--	Carcinogen category 2
63	Pentazinc chromate octahydroxide	0.005	N.D.	N.D.	Carcinogen category 2
64	4-(1,1,3,3-tetramethylbutyl)phenol	0.005	N.D.	--	Carcinogen category2; Toxic for reproduction Category 2
65	Formaldehyde, oligomeric reaction products with aniline	0.005	N.D.	--	Carcinogen category 2
66	Bis(2-methoxyethyl) phthalate	0.005	N.D.	--	Toxic for reproduction Category 2
67	Lead diazide, Lead azide	0.005	N.D.	N.D.	Toxic for reproduction Category 2
68	Lead styphnate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
69	2,2'-dichloro-4,4'-methylenedianiline	0.005	N.D.	--	Carcinogen category 2
70	Phenolphthalein	0.005	N.D.	--	Carcinogen category 2
71	Dichromium tris(chromate)	0.005	N.D.	N.D.	Carcinogen category 2

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
72	1,2-bis(2-methoxyethoxy) Ethane (TEGDME; triglyme)	0.005	N.D.	--	Toxic for reproduction Category 2
73	1,2-dimethoxyethane; ethyleneglycol dimethyl ether (EGDME)	0.005	N.D.	--	Toxic for reproduction Category 2
74	Diboron trioxide	0.005	N.D.	N.D.	Toxic for reproduction Category 2
75	Formamide	0.005	N.D.	--	Toxic for reproduction Category 2
76	Lead(II)bis(methanesulfonate)	0.005	N.D.	N.D.	Toxic for reproduction Category 2
77	TGIC(1,3,5-tris(oxiranylmethyl -1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	0.005	N.D.	--	Mutagenic category 2
78	β-TGIC(1,3,5-tris [(2S and2R)-2,3-epoxypropyl] -1,3,5-triazine-2,4,6 -(1H,3H,5H)-trione)	0.005	N.D.	--	Mutagenic category 2
79	4,4'-bis(dimethylamino) Benzophenone (Michler's ketone)	0.005	N.D.	--.	Carcinogen category 2
80	N,N,N',N'-tetramethyl- 4,4'-methylenedianiline (Michler's base)	0.005	N.D.	--	Carcinogen category 2
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa	0.005	N.D.	--	Carcinogen category 2
82	[4-[[4-anilino-1-naphthyl] [4-(dimethylamino)phenyl] methylene]cyclohex a-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	0.005	N.D.	--	Carcinogen category 2
83	α,α-Bis[4-(dimethylamino) phenyl]-4 (phenylamino) naphthalene-1-methanol (C.I. Solvent Blue 4)	0.005	N.D.	--	Carcinogen category 2

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
84	4,4'-bis(dimethylamino) -4"-(methylamino) trityl alcohol	0.005	N.D.	--	Carcinogen category 2
85	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	0.005	N.D.	--	Toxic for reproduction Category 2
86	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	0.005	N.D.	--	Carcinogen category 2
87	N-methylacetamide	0.005	N.D.	--	Toxic for reproduction Category 2
88	Pentalead tetraoxide sulphate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
89	Biphenyl-4-ylamine	0.005	N.D.	--	Carcinogen category 2
90	Dinoseb	0.005	N.D.	--	Toxic for reproduction Category 2
91	Dioxobis(stearato)trilead	0.005	N.D.	N.D.	Toxic for reproduction Category 2
92	Lead dinitrate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
93	Tetralead trioxide sulphate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
94	Lead oxide (lead monoxide)	0.005	N.D.	N.D.	Toxic for reproduction Category 2
95	Lead titanium trioxide	0.005	N.D.	N.D.	Toxic for reproduction Category 2
96	4,4'-methylenedi-o-toluidine	0.005	N.D.	--	Carcinogen category 2
97	Acetic acid, lead salt, basic	0.005	N.D.	N.D.	Toxic for reproduction Category 2
98	Dimethyl sulphate	0.005	N.D.	--	Carcinogen category 2
99	Furan	0.005	N.D.	--	Carcinogen category 2
100	Pyrochlore, antimony lead yellow	0.005	N.D.	--	Toxic for reproduction Category 2
101	Tetraethyllead	0.005	N.D.	N.D.	Toxic for reproduction Category 2
102	[Phthalato(2-)]dioxotrilead	0.005	N.D.	N.D.	Toxic for reproduction Category 2

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
103	Diethyl sulphate	0.005	N.D.	--	Carcinogen category 2
104	Lead cynamidate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
105	Silicic acid, barium salt, lead-doped	0.005	N.D.	N.D.	Toxic for reproduction Category 2
106	Trilead dioxide phosphonate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
107	o-Toluidine; 2-Aminotoluene	0.005	N.D.	--	Carcinogen category 2
108	o-aminoazotoluene	0.005	N.D.	--	Carcinogen category 2
109	4-Aminoazobenzene; 4-Phenylazoaniline	0.005	N.D.	--	Carcinogen category 2
110	6-methoxy-m-toluidine (p-cresidine)	0.005	N.D.	--	Carcinogen category 2
111	Dibutyltin dichloride (DBT)	0.005	N.D.	--	Toxic for reproduction Category 2
112	Lead Titanium Zirconium Oxide	0.005	N.D.	N.D.	Toxic for reproduction Category 2
113	Propylene oxide; 1,2-epoxypropane; methyloxirane	0.005	N.D.	--	Carcinogen category 2
114	1-bromopropane	0.005	N.D.	--	Toxic for reproduction Category 2
115	Basic lead carbonate (trilead bis(carbonate)dihydroxide)	0.005	N.D.	N.D.	Toxic for reproduction Category 2
116	Fatty acids, C16-18, lead salts	0.005	N.D.	N.D.	Toxic for reproduction Category 2
117	Lead tetroxide (orange lead)	0.005	N.D.	N.D.	Toxic for reproduction Category 2
118	Sulfurous acid, lead salt, dibasic	0.005	N.D.	N.D.	Toxic for reproduction Category 2
119	4,4'-oxydianiline and its salts	0.005	N.D.	--	Carcinogen category 2
120	lead oxide sulphate	0.005	N.D.	N.D.	Toxic for reproduction Category 2
121	Lead bis(tetrafluoroborate)	0.005	N.D.	N.D.	Toxic for reproduction Category 2

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
122	Silicic acid, lead salt	0.005	N.D.	N.D.	Toxic for reproduction Category 2
123	Bis(pentabromophenyl) ether (DecaBDE)	0.005	N.D.	--	PBT
124	4-Nonylphenol, branched and linear -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	0.005	N.D.	--	Equivalent level of concern - probable serious effects on the environment
125	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	0.005	N.D.	--	Equivalent level of concern - probable serious effects on the environment
126	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	0.005	N.D.	--	Equivalent level of concern - probable serious effects on the environment
127	1,2-Diethoxyethane	0.005	N.D.	--	Toxic for reproduction Category 2
128	Hexahydromethylphathalic anhydride Hexahydro-4-methylphathalic anhydride Hexahydro-1-methylphathalic anhydride Hexahydro-3-methylphathalic anhydride	0.005	N.D.	--	Equivalent level of concern - probable serious effects on the environment
129	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	0.005	N.D.	--	Equivalent level of concern - probable serious effects on the environment
130	1,2-Benzenedicarboxylic acid, dipentylester, branched	0.005	N.D.	--	Toxic for reproduction Category 2

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
	and linear				
131	N-pentyl-isopentylphtalate	0.005	N.D.	--	Toxic for reproduction Category 2
132	Heptacosafluorotetradecanoic acid	0.005	N.D.	--	vPvB
133	Pentacosafluorotridecanoic acid	0.005	N.D.	--	vPvB
134	Henicosafluoroundecanoic acid	0.005	N.D.	--	vPvB
135	Tricosafluorododecanoic acid	0.005	N.D.	--	vPvB
136	Methoxy acetic acid	0.005	N.D.	--	Toxic for reproduction Category 2
137	Diisopentylphthalate	0.005	N.D.	--	Toxic for reproduction Category 2
138	N,N-dimethylformamide; dimethyl formamide	0.005	N.D.	--	Toxic for reproduction Category 2
139	Cadmium	0.001	N.D.	N.D.	Carcinogen category 2
140	Cadmium oxide	0.001	N.D.	N.D.	Carcinogen category 2
141	Dipentyl phthalate (DPP)	0.005	N.D.	--	Toxic for reproduction Category 2
142	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]	0.005	N.D.	--	Equivalent level of concern - probable serious effects on the environment
143	Ammonium pentadecafluorooctanoate (APFO)	0.005	N.D.	--	Toxic for reproduction Category 2
144	Pentadecafluorooctanoic acid	0.005	N.D.	--	Toxic for reproduction Category

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
	(PFOA)				2
145	Cadmium Sulfide	0.001	N.D.	N.D.	Carcinogenic
146	Di-N-Hexyl Phthalate	0.005	N.D.	--	Carcinogenic
147	Direct Red 28	0.005	N.D.	--	Carcinogenic
148	Direct Black 38	0.005	N.D.	--	Toxic for reproduction
149	Ethlenethiourea	0.005	N.D.	--	Toxic for reproduction
150	Acetic Acid	0.001	N.D.	N.D.	Toxic for reproduction
151	Trixylyl Phosphate	0.005	N.D.	--	Toxic for reproduction
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	0.005	N.D.	--	Toxic for reproduction
153	Cadmium chloride	0.005	N.D.	N.D.	Toxic for reproduction
154	Sodium perborate; perboric acid, sodium salt	0.005	N.D.	N.D.	Toxic for reproduction
155	Sodium peroxometaborate	0.005	N.D.	N.D.	Toxic for reproduction
156	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	0.005	N.D.	--	PBT, vPvB
157	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecan oate (DOTE)	0.005	N.D.	--	Toxic for reproduction
158	reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecan oate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannate tradecanoate (reaction mass of DOTE and MOTE)	0.005	N.D.	--	Toxic for reproduction

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
159	2-(2H-benzotriazol-2-yl)-4,6-di tertpentylphenol (UV-328)	0.005	N.D.	--	PBT, vPvB
160	Cadmium fluoride	0.005	N.D.	N.D.	Carcinogenic, Mutagenic
161	Cadmium sulphate	0.005	N.D.	N.D.	Carcinogenic, Mutagenic
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters	0.005	N.D.	N.D.	Toxic for reproduction
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-sec-butyl-2-(4,6-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [2]	0.005	N.D.	N.D.	vPvB
164	1,3-propanesultone	0.005	N.D.	--	Carcinogenic, Mutagenic
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol	0.005	N.D.	--	vPvB
166	2-(2H-benzotriazol-2-yl)-4-(tert -butyl)-6-(sec-butyl)phenol	0.005	N.D.	--	vPvB
167	Nitrobenzene	0.005	N.D.	--	Toxic for reproduction
168	Perfluorononan-1-oic acid (2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9 -heptadecafluorononanoic acid and its sodium and ammonium salts	0.005	N.D.	--	Toxic for reproduction
169	Benzo[a]pyrene	0.005	N.D.	--	vPvB
170	4,4'-isopropylidenediphenol (bisphenol A)	0.005	N.D.	--	Toxic for reproduction

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
171	4-Heptylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	0.005	N.D.	--	Equivalent level of concern having probable serious effects to the environment
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	0.005	N.D.	--	Toxic for reproduction ; PBT
173	p-(1,1-dimethylpropyl)phenol	0.005	N.D.	--	Equivalent level of concern having probable serious effects to the environment
174	Perfluorohexane-1-sulphonic acid and its salts	0.005	N.D.	--	vPvB
175	Benz[a]anthracene	0.005	N.D.	--	PBT, vPvB
176	Cadmium carbonate	0.005	N.D.	N.D.	Carcinogenic, Mutagenic
177	Cadmium hydroxide	0.005	N.D.	N.D.	Carcinogenic, Mutagenic
178	Cadmium nitrate	0.005	N.D.	N.D.	Carcinogenic, Mutagenic
179	Chrysene	0.005	N.D.	--	PBT, vPvB
180	Dodecachloropentacyclo[12.2.1 .16,9.02,13.05,10]octadeca-7,1 5-diene (“Dechlorane Plus”™) covering any of its individual anti- and syn-isomers or any combination thereof	0.005	N.D.	--	vPvB

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	0.005	N.D.	N.D.	Endocrine disrupting properties
182	Octamethylcyclotetrasiloxane D4	0.005	N.D.	--	PBT, vPvB
183	Decamethylcyclopentasiloxane D5	0.005	N.D.	--	PBT, vPvB
184	Dodecamethylcyclohexasiloxa n e D6	0.005	N.D.	--	PBT, vPvB
185	Lead	0.005	N.D.	N.D.	Toxic for reproduction
186	Disodium octaborate	0.005	N.D.	N.D.	Toxic for reproduction
187	Benzo[ghi]perylene	0.005	N.D.	--	PBT, vPvB
188	Terphenyl, hydrogenated	0.005	N.D.	--	vPvB
189	Ethylenediamine EDA	0.005	N.D.	--	Respiratory sensitising properties
190	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride trimellitic anhydride; TMA	0.005	N.D.	--	Respiratory sensitising properties
191	Dicyclohexyl phthalate DCHP	0.005	N.D.	--	Toxic for reproduction, Endocrine disrupting properties
192	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	0.005	N.D.	--	Endocrine disrupting properties (Article 57(f) - environment)
193	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	0.005	N.D.	--	Toxic for reproduction (Article 57c)
194	Benzo[k]fluoranthene	0.005	N.D.	--	Carcinogenic (Article 57a)#PBT (Article 57d)#vPvB (Article 57e)
195	Fluoranthene	0.005	N.D.	--	PBT (Article 57d)#vPvB (Article 57e)

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
196	Phenanthrene	0.005	N.D.	--	vPvB (Article 57e)
197	Pyrene	0.005	N.D.	--	PBT (Article 57d)#vPvB (Article 57e)
198	2-methoxyethyl acetate	0.005	N.D.	--	Toxic for reproduction (Article 57c)
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	0.005	N.D.	--	Endocrine disrupting properties (Article 57(f) - environment)
200	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	0.005	N.D.	--	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
201	4-tert-butylphenol	0.005	N.D.	--	Endocrine disrupting properties (Article 57(f) - environment)
202	Perfluorobutane sulfonic acid (PFBS) and its salts	0.05	N.D.	--	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
203	Diisohexyl phthalate	0.005	N.D.	--	Toxic for reproduction (Article 57c)
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	0.005	N.D.	--	Toxic for reproduction (Article 57c)
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	0.005	N.D.	--	Toxic for reproduction (Article 57c)

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
206	1-vinylimidazole	0.005	N.D.	--	Toxic for reproduction (Article 57c)
207	2-methylimidazole	0.005	N.D.	--	Toxic for reproduction (Article 57c)
208	Butyl 4-hydroxybenzoate	0.005	N.D.	--	Endocrine disrupting properties (Article 57(f) - human health)
209	Dibutylbis(pentane-2,4-dionato -O,O')tin	0.005	N.D.	--	Toxic for reproduction (Article 57c)
210	Bis(2-(2-methoxyethoxy)ethl)et her	0.005	N.D.	N.D.	Toxic for reproduction (Article 57c)
211	Dioctyltin 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	0.005	N.D.	N.D.	Toxic for reproduction (Article 57c)
212	1,4-Dioxane (dioxane)	0.005	N.D.	N.D.	Equivalent level of concern - probable serious effects on the environment
213	2,2-bis(bromomethyl)-1,3-prop anediol (BMP) Tribromoneopentanol (TBNPA) 2,3-Dibromo-1-propanol (2,3-DBPA)	0.005	N.D.	N.D.	vPvB
214	2-(4-tert-butylbenzyl) propanal and its stereoisomers	0.005	N.D.	N.D.	Toxic for reproduction
215	4,4'-(1-methylpropylene) bisphenol; (bisphenol B)	0.005	N.D.	N.D.	Endocrine disrupting properties
216	Glutaraldehyde	0.005	N.D.	N.D.	Respiratory sensitising properties
217	Medium chain chlorinated paraffin (MCCP) [UVCB substance, composed of ≥80% linear chlorinated alkanes, carbon chain length between C14 and C17]	0.005	N.D.	N.D.	vPvB，Toxic for reproduction

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
218	Sodium borate	0.005	N.D.	N.D.	Toxic for reproduction
219	Carbon chain (mainly C12, straight chain or branched chain) mainly in the para position of alkylphenol substances and any single isomer or combination (PDDP)	0.005	N.D.	N.D.	Endocrine disrupting properties Toxic for reproduction
220	6,6'-di-tert-butyl-2,2'-methylene di-p-cresol	0.005	N.D.	N.D.	Toxic for reproduction
221	tris(2-methoxyethoxy)vinylsilane	0.005	N.D.	N.D.	Toxic for reproduction
222	(±)-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)	0.005	N.D.	N.D.	Endocrine disrupting properties
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	0.005	N.D.	N.D.	PBT
224	N-hydroxymethylalanamide	0.005	N.D.	--	vPvB
225	N-hydroxymethylacrylamide and resorcinol	0.005	N.D.	--	Toxic for reproduction
226	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	0.005	N.D.	--	vPvB (Article 57e)
227	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	0.005	N.D.	--	Carcinogenic (Article 57a)
228	4,4'-sulphonyldiphenol	0.005	N.D.	--	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
229	Barium diboron tetraoxide	0.005	N.D.	--	Toxic for reproduction (Article 57c)
230	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers	0.005	N.D.	--	vPvB (Article 57e)

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
	and/or combinations thereof				
231	Isobutyl 4-hydroxybenzoate	0.005	N.D.	--	Endocrine disrupting properties (Article 57(f) - human health)
232	Melamine	0.005	N.D.	--	Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health)
233	Perfluoroheptanoic acid and its salts	0.005	N.D.	--	Toxic for reproduction (Article 57c) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
234	4,4 ′ -dichlorodiphenylsulfone	0.005	N.D.	--	For the synthesis of engineering plastics, dyes and polymers, such as, polysulfone, polyether sulfone, polyether ether ketone, etc
235	Diphenyl (2,4,6-trimethylbenzoyl) phosphine oxide	0.005	N.D.	--	UV curing coating and ink, mostly used in white system, can be used for UV curing coating, printing ink, UV curing adhesive, optical fiber coating, etc.; because the absorption peak of KLTPO is longer than the conventional initiator, the effective absorption peak is 350-400nm, can be absorbed to about 420nm, can be used as a high efficiency light initiator of styrene unsaturated polyester and acrylic resin. Suitable for UV curing coating, printing ink, UV curing adhesive, optical fiber coating, photoresist, photopolymer printing plate, stereoscopic flat plate resin, composite material, tooth filling material, etc. After illumination,

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
					benzoyl and phosphoryl radicals can be generated, which can trigger polymerization and accelerate the speed of photobleaching, which can meet the requirements of deep curing of thick film and constant yellow coating. Because of low volatilization, no residue, especially suitable for requiring low odor products and transparent coating
236	2,4,6-tri-tert-butylpheno	0.005	N.D.	--	Production of another substance; mixture configuration and for fuel products
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol	0.005	N.D.	--	Air care products, paint products, adhesives and sealants, UVC LED Ultraviolet Water Sterilizers and greases, polish and waxes, and washing and cleaning products
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	0.005	N.D.	--	Ink and toner, paint products
239	Bumetrizole	0.005	N.D.	--	Coating products, adhesives and sealants, and washing and cleaning products
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	0.005	N.D.	--	Adhesive and sealants, paint products, fillers, putty, plaster, molding clay, ink, toner, and polymers.
241	Bis(a,a-dimethylbenzyl) peroxide	0.005	N.D.	--	Toxic for reproduction (Article 57c)
242	Triphenyl phosphate	0.005	N.D.	--	Endocrine disrupting properties (Article 57(f)-environment)
243	6-[(C10-C13)-a1ky1-(branched,unsaturated)-2,5-dioxopyrrolidin-1-yl] hexanoic acid	0.005	N.D.	--	For hydraulic oils, UVC LED Ultraviolet Water Sterilizers, grease, and metalworking fluids.
244	0,0,0-triphenyl phosphorothioate	0.005	N.D.	--	For UVC LED Ultraviolet Water Sterilizers, grease, hydraulic oils, and metalworking fluids

No.	Test Item	MDL (%)	Result (%)		Classification
			A	B	
245	Very persistent,very bioaccumulative,vPvB(Article 57e)	0.005	N.D.	--	For washing and cleaning products, polishing and waxing, and cosmetics and personal care products.
246	Perfluamine	0.005	N.D.	--	Corrosion-resistant transmission liquid, dielectric insulation liquid, electronic components, device leakage detection liquid
247	Reaction mass of triphenylthiophosphate and tertiary butylated phenyl derivatives	0.005	N.D.	--	For hydraulic oil, UVC LED Ultraviolet Water Sterilizers, and grease

Note:
1. A= Nonmetal; B=Metal;
2. "*"=Calculated concentration of bis(tributyltin)oxide TBTO is based on the identified tributyltin, TBT results. The result is screening testing of TBTO and other salts under current technology.
3. "**"= Calculated concentration of cobalt dichloride is based on the identified heavy metal and anion result. Calculated concentration of diarrheic pent oxide, diarrheic trioxide, sodium dichromate, dehydrate, Lead hydrogen arsenates and tritely arsenate are based on the identified heavy metal result.
4. Definition of classification of this report in accordance 67/548/EEC and Regulation (EC) No.1907/2006
5. N.D. = Not Detected (<MDL)
6. MDL = Method Detection Limit
7. -- = No Testing

Remarks:
1. In accordance Regulation (EC) No. 1907/2006, any producer or importer of articles shall notify ECHA, In accordance paragraph 4 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance Article 59 (1) of the Regulation, namely (a) the substance is present in those article in quantities totaling over one ton per producer per year; and (b) the substance is present in those articles higher than 0.1% weight by weight (w/w).
Article 33 of Regulation (EC) No.1907/2006 requires supplier of an article containing a substance meets the criteria in Article 57 and identified in accordance Article 59(1) in a concertration higher than 0.1% weight by weight (w/w) shall provide the recipient of the article sufficient information, available to the supplier, to allow safe use the article including, as a minimum, the name of that.

Appearance of the Product





*** End of Report ***