

JSB TECH PTE LTD
100 PASIR PANJANG ROAD
#06-02, 100 PASIR PANJANG,
SINGAPORE 118518

The following sample(s) was/were submitted and identified by the applicant as:



Sample Submitted By : JSB Tech Pte Ltd
Sample Name : Digi-Pas® DWL Digital Level Series

Sample Receiving Date : 16-Feb-2024
Testing Period : 16-Feb-2024 to 29-Feb-2024

Test Results : Please refer to the following pages.

Test Requested	Summary
As specified by client, the sample(s) was/were tested with reference to Regulation (EC) No 1907/2006 concerning the REACH for: 240 Substances of Very High Concern (SVHC) candidate list according to the press release of ECHA on January 23, 2024	According to the ruling of the Court of Justice of the European Union on the definition of an article under REACH, and the specified scope as well as analytical technique, the test results of the selected component article are $\leq 0.1\%$ (w/w) in the submitted sample(s).

Signed for and on behalf of
SGS Testing & Control Services Singapore Pte Ltd



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Test Method:

With reference to RSTS-EE-SVHC-007, analysis was performed by ICP-OES, UV-VIS, GC/MS, LC/MS, GC/FPD, LC/DAD, LC/MS/MS.

Test Result(s)
Unit: %
Candidate List of SVHC (2024/01/23)

Substance Name	RL	Concentration	Limit
		No. 1	
All tested SVHC in candidate list	-	N.D.	0.01

Remark:

- Candidate List of SVHC (2024/01/23)
<https://echa.europa.eu/web/guest/candidate-list-table>
- In accordance with Regulation (EC) No 1907/2006, any producer or importer of articles shall notify ECHA, in accordance with paragraph 2 of Article 7, if a substance meets the criteria in Article 57 and is identified in accordance with Article 59(1) of the Regulation, if (a) the substance is present in those articles in quantities totaling over one tone per producer or importer per year; and (b) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w).
- Article 33 of Regulation (EC) No 1907/2006 requires supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in a concentration above 0.1% weight by weight (w/w) shall provide the recipient of the article with sufficient information, available to the supplier, to allow safe use of the article including, as a minimum, the name of that substance.
- If a SVHC is found over 0.1% (w/w) and/or the specific concentration limit which is set in Regulation (EC) No 1272/2008 and its amendments, client is suggested to prepare a Safety Data Sheet (SDS) against the SVHC to comply with the supply chain communication obligation under Regulation (EC) No 1907/2006, in which:
 - a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
 - mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or

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- (III) a mixture is not classified as hazardous under the CLP Regulation (EC) No 1272/2008, but contains either:
- (a) a substance posing human health or environmental hazards in an individual concentration of $\geq 1\%$ by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures) or $\geq 0.2\%$ by volume for gaseous mixtures; or
 - (b) a substance that is PBT, or vPvB in an individual concentration of $\geq 0.1\%$ by weight for mixtures that are solid or liquids (i.e., non-gaseous mixtures); or
 - (c) a substance on the SVHC candidate list (for reasons other than those listed above), in an individual concentration $\geq 0.1\%$ by weight for non-gaseous mixtures; or
 - (d) a substance for which there are Europe-wide workplace exposure limits.
5. If a SVHC is found over the reporting limit, client is suggested to identify the component which contains the SVHC and the exact concentration of the SVHC by requesting further quantitative analysis from the laboratory.

Note:

1. mg/kg = ppm; $0.1\text{wt}\% = 0.1\% = 1000\text{ppm}$
2. RL = Reporting Limit
3. N.D. = Not Detected (Less than RL)
4. "-" = Not Regulated
5. (*): conc. of Sodium dichromate dihydrate (CAS No.: 7789-12-0) = conc. of sodium dichromate x 1.1375
6. (**): The concentrations of above-mentioned mixtures are evaluated per the gained composition rate between the selected marks and the mixtures.
7. F Parameter Conversion Table/Classification:
https://eecloud.sgs.com/Region_TW/DocDownload.aspx?name=Others
8. (※ P): Regarding the compound containing Cr(VI) and lead, lead and Cr(VI) are tested and respectively used for the calculation of the independent concentration of the compound containing Cr(VI) and lead. The minimum value of the two independently calculated concentrations is used as the final concentration for the report.
9. (※ C): Oligomers of chromic acid and dichromic acid: since the oligomers are made of the unknown amount of chromic acid or dichromic acid that results in no fixed molecular weight, therefore the monomer of chromic acid or dichromic acid is relevant and considered.
10. (※ H): Tetraboron disodium heptaoxide, hydrate: Only anhydrous form of disodium tetraborate is relevant and considered according to ECHA explanation (Ref no.: INC 000000032519).

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11. ***: The substance was calculated by the test results of Monoctyl Tin, Dioctyl Tin, Tributyl Tin, Dibutyl Tin, PFOA or element (Ex. Arsenic, Lead, Cr(VI), Boron, Cobalt, Barium, Cadmium respectively).

Table 1: The test result is given as:

Substance Name / Specific Element(s)	RL	Concentration
		No. 1
Tributyl Tin (TBT)	0.0487	N.D.
Arsenic (As) (※ E)	0.005	N.D.
Hexavalent chromium Cr (VI)	0.005	N.D.
Boron (B) (※ E)	0.005	N.D.
Cobalt (Co)	0.005	N.D.
Dibutyl Tin (DBT)	0.027	N.D.
Barium (Ba)	0.005	N.D.
Dioctyl Tin (DOT)	0.023	N.D.
Monoctyl Tin (MOT)	0.0138	N.D.
Lead (Pb)	0.005	N.D.
Cadmium (Cd)	0.005	N.D.

- 12. (※ S): Regarding the compound containing arsenic and lead, lead and arsenic are tested and respectively used for the calculation of the independent concentration of the compound containing arsenic and lead. The minimum value of the two independently calculated concentrations is used as the final concentration for the report.
- 13. (※ T): TGIC is a mixture and contains β-TGIC. According to the ECHA's technical dossier the ratio of β-TGIC to TGIC is around 1 to 10. Therefore β-TGIC is issued based on the above-mentioned ratio.
- 14. (※ B): Only if both qualitative results of lead and silicon are positive, the test result of the compound will be calculated based on the concentration of barium.
- 15. (※ R): RP-HP can't be identified directly, and test result can't be calculated based on specific element(s) or compound. RP-HP is identified as SVHC because of 4-HPbl, therefore 4-HPbl is analysed instead of RP-HP.
- 16. (●): Since lead has a wide application, it is unlikely to determine if the detected lead comes from the lead ion, lead element or/ and lead compounds. Therefore, the detected total lead is used on behalf of lead.

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17. (※ U): Boric acid (H₃BO₃), sodium salt, hydrate; Boric acid (H₃BO₃), disodium salt; Trisodium orthoborate; Boric acid, sodium salt; Orthoboric acid, sodium salt; Boric acid (H₃BO₃), sodium salt (1:1) (CAS No.: 25747-83-5; 22454-04-2; 14312-40-4; 1333-73-9; 13840-56-7; 14890-53-0). The calculation is based on the largest molecular weight of Orthoboric acid, sodium salt (CAS No.: 13840-56-7). The F Parameter is 11.8215.
18. (※ D): Regarding the compound containing Boron and lead, lead and Boron are tested and respectively used for the calculation of the independent concentration of the compound containing Boron and lead. The minimum value of the two independently calculated concentrations is used as the final concentration for the report.
19. (※ G): The compound is qualitatively screened first. When there is a signal of the compound, specific elements Sulfur and Phosphorus are used to calculate the concentration of compound.
20. (※ I): A specific index compound is qualitatively screened first. After the evaluation, and the specific signal is positive, the total Fluorine is used to calculate the concentration of SVHC compound.
21. (※ A): Regarding the compound containing Boron and Barium, Barium and Boron are tested and respectively used for the calculation of the independent concentration of the compound containing Boron and Barium. The minimum value of the two independently calculated concentrations is used as the final concentration for the report.
22. (※ E): The extracted soluble Boron / Arsenic are detected by ICP-OES.
23. Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019. According to this rule, the judgement of conformity is based on the comparing test results with limits.

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[Appendix 1]

Candidate List of SVHC (2024/01/23):

No.	Substance List	RL (Unit %)
1	4,4'- Diaminodiphenylmethane (MDA) (CAS No.: 101-77-9)	0.05
2	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk Xylene) (CAS No.: 81-15-2)	0.05
3	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (CAS No.: 85535-84-8)	0.05
4	Anthracene (CAS No.: 120-12-7)	0.05
5	Benzyl butyl phthalate (BBP) (CAS No.: 85-68-7)	0.05
6	Bis(tributyltin) oxide (TBTO)*** (CAS No.: 56-35-9)	-
7	Diarsenic pentaoxide*** (CAS No.: 1303-28-2)	-
8	Diarsenic trioxide*** (CAS No.: 1327-53-3)	-
9	Dibutyl phthalate (DBP) (CAS No.: 84-74-2)	0.05
10	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α - HBCDD, β - HBCDD, γ -HBCDD) (CAS No.: 25637-99-4 and 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	0.05
11	Lead hydrogen arsenate*** (CAS No.: 7784-40-9) (⊗ S)	-
12	Sodium dichromate*** (CAS No.: 10588-01-9, 7789-12-0) (*)	-
13	Triethyl arsenate*** (CAS No.: 15606-95-8)	-
14	Bis (2-ethylhexyl) phthalate (DEHP) (CAS No.: 117-81-7)	0.05
15	2,4-Dinitrotoluene (CAS No.: 121-14-2)	0.05
16	Anthracene oil (CAS No.: 90640-80-5) (**)	0.05
17	Anthracene oil, anthracene paste (CAS No.: 90640-81-6) (**)	0.05
18	Anthracene oil, anthracene paste, anthracene fraction (CAS No.: 91995-15-2) (**)	0.05
19	Anthracene oil, anthracene paste, distn. Lights (CAS No.: 91995-17-4) (**)	0.05
20	Anthracene oil, anthracene-low (CAS No.: 90640-82-7) (**)	0.05
21	Diisobutyl phthalate (DIBP) (CAS No.: 84-69-5)	0.05
22	Lead chromate*** (CAS No.: 7758-97-6) (⊗ P)	-
23	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*** (CAS No.: 12656-85-8) (⊗ P)	-
24	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*** (CAS No.: 1344-37-2) (⊗ P)	-
25	Pitch, coal tar, high-temp. (CAS No.: 65996-93-2) (**)	0.05
26	Tris(2-chloroethyl) phosphate (TCEP) (CAS No.: 115-96-8)	0.05
27	Acrylamide (CAS No.: 79-06-1)	0.05
28	Ammonium dichromate*** (CAS No.: 7789-09-5)	-
29	Boric acid*** (CAS No.: 10043-35-3, 11113-50-1)	-
30	Disodium tetraborate, anhydrous*** (CAS No.: 1303-96-4, 1330-43-4, 12179-04-3)	-
31	Potassium chromate*** (CAS No.: 7789-00-6)	-

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No.	Substance List	RL (Unit %)
32	Potassium dichromate*** (CAS No.: 7778-50-9)	-
33	Sodium chromate*** (CAS No.: 7775-11-3)	-
34	Tetraboron disodium heptaoxide, hydrate (CAS No.: 12267-73-1) (※ H)	-
35	Trichloroethylene (CAS No.: 79-01-6)	0.05
36	2-Ethoxyethanol (CAS No.: 110-80-5)	0.05
37	2-Methoxyethanol (CAS No.: 109-86-4)	0.05
38	Acids generated from chromium trioxide and their oligomers: Chromic acid*** (CAS No.: 7738-94-5)	-
	Acids generated from chromium trioxide and their oligomers: Dichromic acid*** (CAS No.: 13530-68-2)	-
	Acids generated from chromium trioxide and their oligomers: Oligomers of chromic acid and dichromic acid (※ C)	-
39	Chromium trioxide *** (CAS No.: 1333-82-0)	-
40	Cobalt (II) carbonate*** (CAS No.: 513-79-1)	-
41	Cobalt (II) diacetate*** (CAS No.: 71-48-7)	-
42	Cobalt (II) dinitrate*** (CAS No.: 10141-05-6)	-
43	Cobalt (II) sulphate*** (CAS No.: 10124-43-3)	-
44	1,2,3-trichloropropane (CAS No.: 96-18-4)	0.05
45	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) (CAS No.: 71888-89-6)	0.05
46	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUP) (CAS No.: 68515-42-4)	0.05
47	1-Methyl-2-pyrrolidone (NMP) (CAS No.: 872-50-4)	0.05
48	2-Ethoxyethyl acetate (CAS No.: 111-15-9)	0.05
49	Hydrazine (CAS No.: 7803-57-8, 302-01-2)	0.05
50	Strontium chromate*** (CAS No.: 7789-06-2)	-
51	Cobalt dichloride (CAS No.: 7646-79-9)	0.005
52	1,2-Dichloroethane (CAS No.: 107-06-2)	0.05
53	2,2'-dichloro-4,4'-methylenedianiline (CAS No.: 101-14-4)	0.05
54	2-Methoxyaniline, o-Anisidine (CAS No.: 90-04-0)	0.05
55	4-(1,1,3,3-tetramethylbutyl) phenol (CAS No.: 140-66-9)	0.05
56	Aluminosilicate Refractory Ceramic Fibres [oxides of aluminium and silicon are the main components present (in the fibres) within variable concentration ranges]	0.05
57	Arsenic acid*** (CAS No.: 7778-39-4)	0.05
58	Bis(2-methoxyethyl) ether (CAS No.: 111-96-6)	0.05

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No.	Substance List	RL (Unit %)
59	Bis(2-methoxyethyl) phthalate (CAS No.: 117-82-8)	0.05
60	Calcium arsenate*** (CAS No.: 7778-44-1)	-
61	Dichromium tris(chromate)*** (CAS No.: 24613-89-6)	-
62	Formaldehyde, oligomeric reaction products with aniline (technical MDA) (CAS No.: 25214-70-4)	0.05
63	Lead diazide, Lead azide*** (CAS No.: 13424-46-9)	-
64	Lead dipicrate*** (CAS No.: 6477-64-1)	-
65	Lead styphnate*** (CAS No.: 15245-44-0)	-
66	N,N-dimethylacetamide (DMAC) (CAS No.: 127-19-5)	0.05
67	Pentazinc chromate octahydroxide*** (CAS No.: 49663-84-5)	-
68	Phenolphthalein (CAS No.: 77-09-8)	0.05
69	Potassium hydroxyoctaoxidizincatedichromate*** (CAS No.: 11103-86-9)	-
70	Trilead diarsenate*** (CAS No.: 3687-31-8) (※ S)	-
71	Zirconia Aluminosilicate Refractory Ceramic Fibres [oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges]	0.05
72	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone or Michler's base] (CAS No.: 2580-56-5)	0.05
73	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone or Michler's base] (CAS No.: 548-62-9)	0.05
74	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) (CAS No.: 112-49-2)	0.05
75	1, 2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) (CAS No.: 110-71-4)	0.05
76	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC) (CAS No.: 2451-62-9)	0.05
77	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β-TGIC) (CAS No.: 59653-74-6) (※ T)	0.05
78	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone or Michler's base] (CAS No.: 561-41-1)	0.05
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone) (CAS No.: 90-94-8)	0.05
80	Diboron trioxide*** (CAS No.: 1303-86-2)	-
81	Formamide (CAS No.: 75-12-7)	0.05
82	Lead(II) bis(methanesulfonate)*** (CAS No.: 17570-76-2)	-
83	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base) (CAS No.: 101-61-1)	0.05
84	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone or Michler's base] (CAS No.: 6786-83-0)	0.05
85	[Phthalato(2-)]dioxotrilead*** (CAS No.: 69011-06-9)	-
86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (CAS No.: 84777-06-0)	0.05

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No.	Substance List	RL (Unit %)
87	1,2-Diethoxyethane (CAS No.: 629-14-1)	0.05
88	1-bromopropane (n-propyl bromide) (CAS No.: 106-94-5)	0.05
89	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine (CAS No.: 143860-04-2)	0.05
90	4-(1,1,3,3-tetramethylbutyl) phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	0.05
91	4,4'-Methylenedi-o-toluidine (CAS No.: 838-88-0)	0.05
92	4,4'-Oxydianiline and its salts (CAS No.: 101-80-4)	0.05
93	4-Aminoazobenzene (CAS No.: 60-09-3)	0.05
94	2,4-Diaminotoluene (CAS No.: 95-80-7)	0.05
95	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]	0.05
96	6-methoxy-m-toluidine (p-cresidine) (CAS No.: 120-71-8)	0.05
97	Acetic acid, lead salt, basic*** (CAS No.: 51404-69-4)	-
98	Biphenyl-4-ylamine (CAS No.: 92-67-1)	0.05
99	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE) (CAS No.: 1163-19-5)	0.05
100	Cyclohexane-1,2-dicarboxylic anhydride (HHPA), cis-cyclohexane-1,2- dicarboxylic anhydride, trans-cyclohexane-1,2- dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA) (CAS No.: 85-42-7,13149-00-3, 14166-21-3)	0.05
101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) (CAS No.: 123-77-3)	0.05
102	Dibutyltin dichloride (DBTC)*** (CAS No.: 683-18-1)	-
103	Diethyl sulphate (CAS No.: 64-67-5)	0.05
104	Diisopentyl phthalate (CAS No.: 605-50-5)	0.05
105	Dimethyl sulphate (CAS No.: 77-78-1)	0.05
106	Dinoseb (6-sec-butyl-2,4-dinitrophenol) (CAS No.: 88-85-7)	0.05
107	Dioxobis(stearato)trilead*** (CAS No.: 12578-12-0)	-
108	Fatty acids, C16-18, lead salts*** (CAS No.: 91031-62-8)	-
109	Furan (CAS No.: 110-00-9)	0.05
110	Henicosaflluoroundecanoic acid (CAS No.: 2058-94-8)	0.05
111	Heptacosaflluorotetradecanoic acid (CAS No.: 376-06-7)	0.05
112	Hexahydromethylphthalic anhydride (CAS No.: 25550-51-0) Hexahydro-4-methylphthalic anhydride (CAS No.: 19438-60-9) Hexahydro-3-methylphthalic anhydride (CAS No.: 57110-29-9) Hexahydro-1-methylphthalic anhydride (CAS No.: 48122-14-1)	0.05
113	Lead bis(tetrafluoroborate)*** (CAS No.: 13814-96-5) (※ D)	-
114	Lead cyanamidate*** (CAS No.: 20837-86-9)	-
115	Lead dinitrate*** (CAS No.: 10099-74-8)	-
116	Lead monoxide (lead oxide) *** (CAS No.: 1317-36-8)	-

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No.	Substance List	RL (Unit %)
117	Lead oxide sulfate*** (CAS No.: 12036-76-9)	-
118	Lead titanium trioxide*** (CAS No.: 12060-00-3)	-
119	Lead Titanium Zirconium Oxide*** (CAS No.: 12626-81-2)	-
120	Methoxyacetic acid (CAS No.: 625-45-6)	0.05
121	Methyloxirane (Propylene oxide) (CAS No.: 75-56-9)	0.05
122	N,N-dimethylformamide; dimethyl formamide (CAS No.: 68-12-2)	0.05
123	N-methylacetamide (CAS No.: 79-16-3)	0.05
124	n-pentyl-isopentylphthalate (CAS No.: 776297-69-9)	0.05
125	o-aminoazotoluene (CAS No.: 97-56-3)	0.05
126	Orange lead (lead tetroxide)*** (CAS No.: 1314-41-6)	-
127	o-Toluidine (CAS No.: 95-53-4)	0.05
128	Pentacosafuorotridecanoic acid (CAS No.: 72629-94-8)	0.05
129	Pentalead tetraoxide sulphate*** (CAS No.: 12065-90-6)	-
130	Pyrochlore, antimony lead yellow*** (CAS No.: 8012-00-8)	-
131	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped (※ B) (CAS No.: 68784-75-8)	0.05
132	Silicic acid, lead salt*** (CAS No.: 11120-22-2)	-
133	Sulfurous acid, lead salt, dibasic*** (CAS No.: 62229-08-7)	-
134	Tetraethyllead*** (CAS No.: 78-00-2)	-
135	Tetralead trioxide sulphate*** (CAS No.: 12202-17-4)	-
136	Tricosafuorododecanoic acid (CAS No.: 307-55-1)	0.05
137	Trilead bis(carbonate) dihydroxide (basic lead carbonate) *** (CAS No.: 1319-46-6)	-
138	Trilead dioxide phosphonate*** (CAS No.: 12141-20-7)	-
139	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]	0.05
140	Ammonium pentadecafluorooctanoate (APFO)*** (CAS No.: 3825-26-1)	-
141	Cadmium (Cd) (CAS No.: 7440-43-9)	0.005
142	Cadmium oxide*** (CAS No.: 1306-19-0)	-
143	Dipentyl phthalate (DPP) (CAS No.: 131-18-0)	0.05
144	Pentadecafluorooctanoic acid (PFOA) (CAS No.: 335-67-1)	0.05
145	Cadmium sulphide*** (CAS No.: 1306-23-6)	-
146	Di-n-hexyl phthalate (DNHP) (CAS No.: 84-75-3)	0.05
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) (CAS No.: 573-58-0)	0.05
148	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl) azo] [1,1'-biphenyl]-4-yl]azo] -5-hydroxy-6-(phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) (CAS No.: 1937-37-7)	0.05

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No.	Substance List	RL (Unit %)
149	Imidazolidine-2-thione (2-imidazoline-2-thiol) (CAS No.: 96-45-7)	0.05
150	Lead di(acetate)*** (CAS No.: 301-04-2)	-
151	Trixylyl phosphate (CAS No.: 25155-23-1)	0.05
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (CAS No.: 68515-50-4)	0.05
153	Cadmium chloride*** (CAS No.: 10108-64-2)	-
154	Sodium perborate; perboric acid, sodium salt***	-
155	Sodium peroxometaborate*** (CAS No.: 7632-04-4)	-
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328) (CAS No.: 25973-55-1)	0.05
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) (CAS No.: 3846-71-7)	0.05
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)*** (CAS No.: 15571-58-1)	-
159	Cadmium fluoride*** (CAS No.: 7790-79-6)	-
160	Cadmium sulphate*** (CAS No.: 10124-36-4, 31119-53-6)	-
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)***	-
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters or mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (CAS No.: 68515-51-5, 68648-93-1)	0.05
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] [covering any of the individual isomers of [1] and [2] or any combination thereof]	0.05
164	1,3-propanesultone (CAS No.: 1120-71-4)	0.05
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327) (CAS No.: 3864-99-1)	0.05
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl) phenol (UV-350) (CAS No.: 36437-37-3)	0.05
167	Nitrobenzene (CAS No.: 98-95-3)	0.05
168	Perfluorononan-1-oiic-acid and its sodium and ammonium salts (CAS No.: 375-95-1, 21049-39-8, 4149-60-4)	0.05
169	Benzo[def]chrysene (Benzo[a]pyrene) (CAS No.: 50-32-8)	0.05
170	4,4'-isopropylidenediphenol (Bisphenol A) (CAS No.: 80-05-7)	0.05
171	4-Heptylphenol, branched and linear (4-HPbl) [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]	0.05
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts (CAS No.: 3108-42-7, 335-76-2, 3830-45-3)	0.05
173	p-(1,1-dimethylpropyl) phenol (CAS No.: 80-46-6)	0.05
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS) (CAS No.: 355-46-4)	0.05

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No.	Substance List	RL (Unit %)
175	1,6,7,8,9,14,15,16,17, 17,18,18- Dodecachloropentacyclo [12.2.1.16.9.02,13.05,10] octadeca-7,15-diene("Dechlorane Plus"TM) [covering any of its individual anti- and syn-isomers or any combination thereof]	0.05
176	Benz[a]anthracene (CAS No.: 56-55-3)	0.05
177	Cadmium nitrate*** (CAS No.: 10325-94-7)	-
178	Cadmium carbonate*** (CAS No.: 513-78-0)	-
179	Cadmium hydroxide*** (CAS No.: 21041-95-2)	-
180	Chrysene (CAS No.: 218-01-9)	0.05
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] (※ R)	-
182	Dicyclohexyl phthalate (DCHP) (CAS No.: 84-61-7)	0.05
183	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride; TMA) (CAS No.: 552-30-7)	0.05
184	Benzo[ghi]perylene (CAS No.: 191-24-2)	0.05
185	Octamethylcyclotetrasiloxane (D4) (CAS No.: 556-67-2)	0.05
186	Decamethylcyclopentasiloxane (D5) (CAS No.: 541-02-6)	0.05
187	Dodecamethylcyclohexasiloxane (D6) (CAS No.: 540-97-6)	0.05
188	Disodium octaborate*** (CAS No.: 12008-41-2)	-
189	Ethylenediamine (CAS No.: 107-15-3)	0.05
190	Lead (Pb) (CAS No.: 7439-92-1) (●)	0.005
191	Terphenyl, hydrogenated (CAS No.: 61788-32-7)	0.05
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane (CAS No.: 6807-17-6)	0.05
193	Benzo[k]fluoranthene (CAS No.: 207-08-9)	0.05
194	Fluoranthene (CAS No.: 206-44-0)	0.05
195	Phenanthrene (CAS No.: 85-01-8)	0.05
196	Pyrene (CAS No.: 129-00-0)	0.05
197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (CASNo.: 15087-24-8)	0.05
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	0.05
199	2-methoxyethyl acetate (CAS No.: 110-49-6)	0.05
200	4-tert-butylphenol (CAS No.: 98-54-4)	0.05
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	0.05
202	Diisohexyl phthalate (CAS No.: 71850-09-4)	0.05
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (CAS No.: 119313-12-1)	0.05

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No.	Substance List	RL (Unit %)
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (CAS No.: 71868-10-5)	0.05
205	Perfluorobutane sulfonic acid (PFBS) and its salts	0.05
206	1-vinylimidazole (CAS No.: 1072-63-5)	0.05
207	2-methylimidazole (CAS No.: 693-98-1)	0.05
208	Butyl 4-hydroxybenzoate (CAS No.: 94-26-8)	0.05
209	Dibutylbis(pentane-2,4-dionato-O, O')tin*** (CAS No.: 22673-19-4)	-
210	Bis(2-(2-methoxyethoxy) ethyl) ether (CAS No.: 143-24-8)	0.05
211	Diocetyl tin dilaurate, stannane, dioctyl-, bis (coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fattyacyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety***	-
212	1,4-dioxane (CAS No.: 123-91-1)	0.05
213	2,2-bis(bromomethyl)propane 1,3-diol (BMP) (CAS No.: 3296-90-0)	0.05
	2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) (CAS No.: 36483-57-5, 1522-92-5)	0.05
	2,3-dibromo-1-propanol (2,3-DBPA) (CAS No.: 96-13-9)	0.05
214	2-(4-tert-butylbenzyl) propionaldehyde and its individual stereoisomers ((2R)-3-(4-tert-butylphenyl)-2-methylpropanal; 2-(4-tert-butylbenzyl) propionaldehyde; (2S)-3-(4-tert-butylphenyl)-2-methylpropanal) (CAS No.: 75166-31-3; 80-54-6; 75166-30-2)	0.05
215	4,4'-(1-methylpropylidene) bisphenol; (bisphenol B) (CAS No.: 77-40-7)	0.05
216	Glutaral (CAS No.: 111-30-8)	0.05
217	Alkanes, C14-16, chloro; Alkanes, C14-17, chloro; di-, tri- and tetrachlorotetradecane; Tetradecane, chloroderivs. (CAS No.: 1372804-76-6; 85535-85-9; 198840-65-2)	0.05
218	Orthoboric acid, sodium salt*** (CAS No.: 13840-56-7) , boric acid (H3BO3), sodium salt, hydrate; Boric acid (H3BO3), disodium salt; Trisodium orthoborate; Boric acid, sodium salt; Boric acid (H3BO3), sodium salt (1:1) (CAS No.: 25747-83-5; 22454-04-2; 14312-40-4; 1333-73-9; 14890-53-0) (X U)	-
219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP) (Phenol, 4-dodecyl, branched; 4-isododecylphenol; Phenol, 4-isododecyl-; Phenol, dodecyl-, branched; Phenol, (tetrapropenyl) derivatives; Phenol, tetrapropylene-) (CAS No.: 210555-94-5; 27459-10-5; 27147-75-7; 121158-58-5; 74499-35-7; 57427-55-1)	0.05
220	(±)-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)	0.05
221	6,6'-di-tert-butyl-2,2'-methylene-di-p-cresol (DBMC) (CAS No.: 119-47-1)	0.05
222	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 (CAS No.: 255881-94-8) (X G)	0.05
223	Tris(2-methoxyethoxy) vinylsilane (CAS No.: 1067-53-4)	0.05
224	N-(hydroxymethyl) acrylamide (CAS No.: 924-42-5)	0.05

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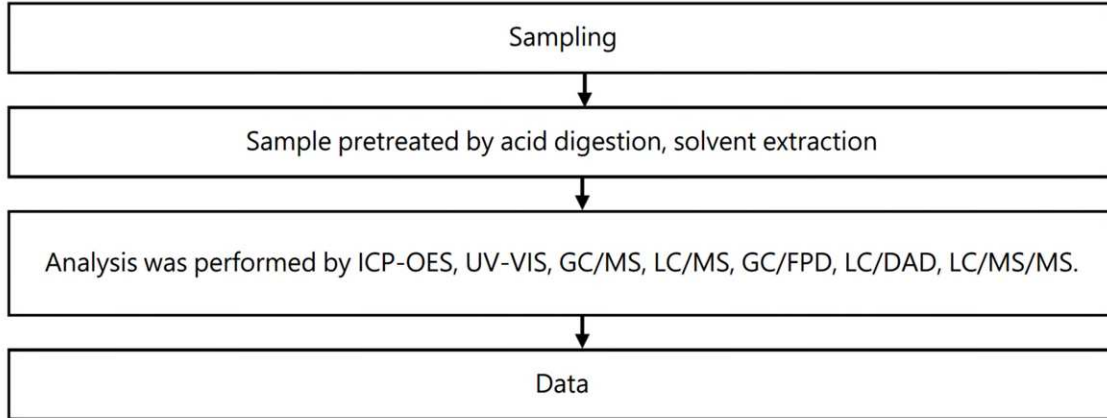
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No.	Substance List	RL (Unit %)
225	1,1'-[ethane-1,2-diylbisoxy] bis[2,4,6-tribromobenzene] (CAS No.: 37853-59-1)	0.05
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (CAS No.: 79-94-7)	0.05
227	4,4'-sulphonyldiphenol (CAS No.: 80-09-1)	0.05
228	Barium diboron tetraoxide*** (CAS No.: 13701-59-2) (※ A)	-
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	0.05
230	Isobutyl 4-hydroxybenzoate (CAS No.: 4247-02-3)	0.05
231	Melamine (CAS No.: 108-78-1)	0.05
232	Perfluoroheptanoic acid and its salts	0.05
233	reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine (※ I)	0.05
234	Bis(4-chlorophenyl) sulphone (CAS No.: 80-07-9)	0.05
235	Diphenyl(2,4,6-trimethylbenzoyl) phosphine oxide (CAS No.: 75980-60-8)	0.05
236	2,4,6-tri-tert-butylphenol (CAS No.: 732-26-3)	0.05
237	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl) phenol (CAS No.: 3147-75-9)	0.05
238	2-(dimethylamino)-2-[(4-methylphenyl) methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one (CAS No.: 119344-86-4)	0.05
239	Bumetizole (CAS No.: 3896-11-5)	0.05
240	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	0.05

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Analytical flow chart of SVHC



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* End of Report *

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