



Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 1 of 15

Applicant: XRADIO TECHNOLOGY CO., LTD

Address: 13 FLOOR, THE UNION BUILDINGS, 1069 NANHAI ROAD, SHEKOU, NANSHAN DISTRICT, SHENZHEN

The following merchandise was (were) submitted and identified by client as:

Sample Name: XR872AT

Model No.: XR872AT

Test Period: From Mar.12, 2022 to Mar.17, 2022

SUMMARY OF TEST RESULTS

TEST REQUESTED	CONCLUSION
Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH	PASS

Test Result(s): Please refer to next page(s).

Signed for and on Behalf of SFT



Jack Zhong / Technical Manager
Guangdong Safety Testing Co., Ltd.

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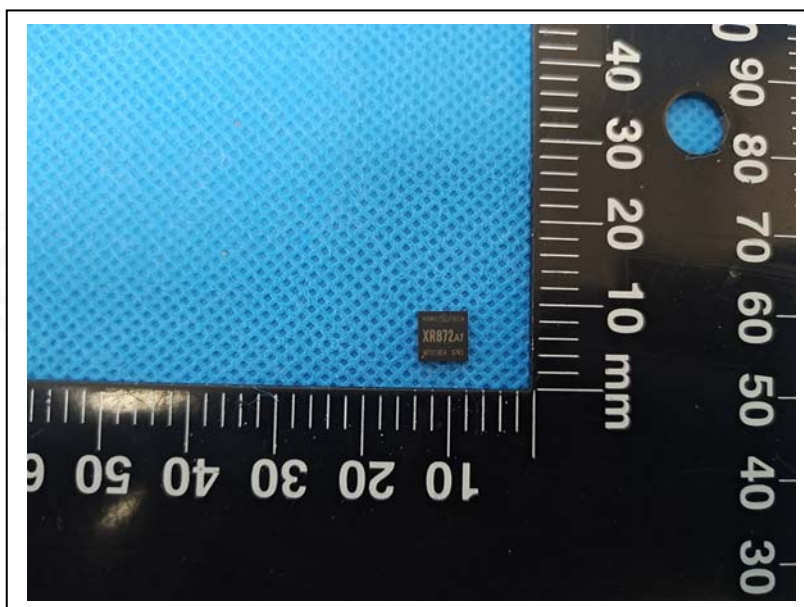
Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 2 of 15

Photo of the Submitted Sample



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Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 3 of 15

Sample Number	Tested Material Description	Style
1	Black solid(XR872AT)	-

Test Result(s):

Test method: Screening test, analyzed based on Liquid Chromatography with Tandem Mass Spectrometry Detection (LC-MS/MS), Gas Chromatography and Mass Spectrometry (GC-MS), headspace GC-MS, Inductively Coupled Plasma Optical Emission Spectrometer (ICP-OES), UV- Vis spectrophotometer, High Performance Liquid Chromatography-Diode Array Detection (HPLC-DAD) and X-Ray Fluorescence Spectrometer (XRF). [Report limit: 0.01%]

Test item(s)	Result (%)	
	1	-
Each of 223 substances of very high concern (SVHCs)	<0.01	-

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Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 4 of 15

Candidate List of Substances of Very High Concern for authorization published by European Chemicals Agency (ECHA) Regarding Regulation (EC) No. 1907/2006 concerning REACH

No.	Substance name	CAS No.	EC No.	SVHC classification
1	Triethyl arsenate*	15606-95-8	427-700-2	Carcinogenic
2	Anthracene	120-12-7	204-371-1	PBT
3	4,4'-Diaminodiphenyl methane (MDA)	101-77-9	202-974-4	Carcinogenic
4	Dibutyl phthalate (DBP)	84-74-2	201-557-4	Toxic for reproduction
5	Cobalt dichloride*	7646-79-9	231-589-4	Carcinogenic
6	Diarsenic pentaoxide*	1303-28-2	215-116-9	Carcinogenic
7	Diarsenic trioxide*	1327-53-3	215-481-4	Carcinogenic
8	Sodium dichromate*	7789-12-0 10588-01-9	234-190-3	Carcinogenic; Mutagenic; Toxic for reproduction
9	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	vPvB
10	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	204-211-0	Toxic for reproduction
11	Hexabromo cyclododecane (HBCDD) and all major diastereoisomers identified:	3194-55-6, 25637-99-4	247-148-4, 221-695-9	PBT
	α - HBCDD	134237-50-6		
	β - HBCDD	134237-51-7		
	γ - HBCDD	134237-52-8		
12	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	287-476-5	PBT, vPvB
13	Bis(tributyltin)oxide (TBTO)*	56-35-9	200-268-0	PBT
14	Lead hydrogen arsenate*	7784-40-9	232-064-2	Carcinogenic; Toxic for reproduction
15	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	Toxic for reproduction
16	2,4-Dinitrotoluene	121-14-2	204-450-0	Carcinogenic
17	Anthracene oil	90640-80-5	292-602-7	Carcinogenic, PBT, vPvB
18	Anthracene oil, anthracene paste, distn. Lights	91995-17-4	295-278-5	Carcinogenic; Mutagenic; PBT, vPvB
19	Anthracene oil, anthracene paste, anthracene fraction	91995-15-2	295-275-9	Carcinogenic; Mutagenic, PBT, vPvB
20	Anthracene oil, anthracene-low	90640-82-7	292-604-8	Carcinogenic; Mutagenic, PBT, vPvB

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Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 5 of 15

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21	Anthracene oil, anthracene paste	90640-81-6	292-603-2	Carcinogenic; Mutagenic, PBT, vPvB
22	Diisobutyl phthalate(DIBP)	84-69-5	201-553-2	Toxic for reproduction
23	Aluminosilicate, Refractory Ceramic Fibres*	Index no. 650-017-00-8		Carcinogenic
24	(Zr-RCF)* Zirconia Aluminosilicate, Refractory Ceramic Fibres*	Index no. 650-017-00-8		Carcinogenic
25	Lead chromate*	7758-97-6	231-846-0	Carcinogenic; Toxic for reproduction
26	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	12656-85-8	235-759-9	Carcinogenic; Toxic for reproduction
27	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	215-693-7	Carcinogenic; Toxic for reproduction
28	Tris(2-chloroethyl) phosphate	115-96-8	204-118-5	Toxic for reproduction
29	Coal tar pitch, high temperature	65996-93-2	266-028-2	Carcinogenic, PBT, vPvB
30	Acrylamide	79-06-1	201-173-7	Carcinogenic; Mutagenic
31	Trichloroethylene	79-01-6	201-167-4	Carcinogenic
32	Boric acid*	10043-35-3, 11113-50-1	233-139-2 / 234-343-4	Toxic for reproduction
33	Disodium tetraborate, anhydrous*	1330-43-4, 12179-04-3, 1303-96-4,	215-540-4	Toxic for reproduction
34	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	Toxic for reproduction
35	Sodium chromate*	7775-11-3	231-889-5	Carcinogenic; Mutagenic; Toxic for reproduction
36	Potassium chromate*	7789-00-6	232-140-5	Carcinogenic; Mutagenic
37	Ammonium dichromate*	7789-09-5	232-143-1	Carcinogenic; Mutagenic; Toxic for reproduction
38	Potassium dichromate*	7778-50-9	231-906-6	Carcinogenic; Mutagenic; Toxic for reproduction
39	Cobalt(II) sulphate*	10124-43-3	233-334-2	Carcinogenic; Mutagenic; Toxic for reproduction
40	Cobalt(II) dinitrate*	10141-05-6	233-402-1	Carcinogenic; Toxic for reproduction
41	Cobalt(II) carbonate*	513-79-1	208-169-4	Carcinogenic; Toxic for reproduction
42	Cobalt(II) diacetate*	71-48-7	200-755-8	Carcinogenic; Toxic for reproduction
43	2-Methoxyethanol	109-86-4	203-713-7	Toxic for reproduction
44	2-Ethoxyethanol	110-80-5	203-804-1	Toxic for reproduction
45	Chromium trioxide*	1333-82-0	215-607-8	Carcinogenic; Mutagenic

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Date: Mar.17, 2022

Page 6 of 15

No.	Substance name	CAS No.	EC No.	SVHC classification
46	Acid generated from chromium trioxide and their oligomers:	-	-	Carcinogenic
	Chromic acid*	7738-94-5	231-801-5	
	Dichromic acid*	13530-68-2	236-881-5	
	Oligomers of chromic acid and dichromic acid*	-	-	
47	2-Ethoxyethyl acetate	111-15-9	203-839-2	Toxic for reproduction
48	Strontium Chromate*	7789-06-2	232-142-6	Carcinogenic
49	1,2-benzenedicarboxylic acid, di-C7-11 branched alkyl ester and linear alkyl ester	68515-42-4	271-084-6	Toxic for reproduction
50	Hydrazine	302-01-2 7803-57-8	206-114-9	Carcinogenic
51	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	Toxic for reproduction
52	1,2,3-trichloropropane	96-18-4	202-486-1	Toxic for reproduction
53	1,2-benzenedicarboxylic acid, di-C6-8-branched alkyl ester, C7-rich (DIHP)	71888-89-6	276-158-1	Toxic for reproduction
54	Dichromium tris(chromate)*	24613-89-6	246-356-2	Carcinogenic
55	Potassium hydroxyoctaoxodizincatedi-chromate*	11103-86-9	234-329-8	Carcinogenic
56	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	Carcinogenic
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	500-036-1	Carcinogenic
58	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	Toxic for reproduction
59	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	Carcinogenic
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	205-426-2	Equivalent level of concern
61	1,2-Dichloroethane	107-06-2	203-458-1	Carcinogenic
62	Bis(2-methoxyethyl) ether	111-96-6	203-924-4	Toxic for reproduction
63	Arsenic acid*	7778-39-4	231-901-9	Carcinogenic
64	Calcium arsenate*	7778-44-1	231-904-5	Carcinogenic
65	Trilead diarsenate*	3687-31-8	222-979-5	Carcinogenic; Toxic for reproduction
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	Toxic for reproduction
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	Carcinogenic
68	Phenolphthalein	77-09-8	201-004-7	Carcinogenic
69	Lead azide, Lead diazide*	13424-46-9	236-542-1	Toxic for reproduction

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Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 7 of 15

No.	Substance name	CAS No.	EC No.	SVHC classification
70	Lead styphnate*	15245-44-0	239-290-0	Toxic for reproduction
71	Lead dipicrate*	6477-64-1	229-335-2	Toxic for reproduction
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	203-977-3	Toxic for reproduction
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	110-71-4	203-794-9	Toxic for reproduction
74	Diboron trioxide*	1303-86-2	215-125-8	Toxic for reproduction
75	Formamide	75-12-7	200-842-0	Toxic for reproduction
76	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	Toxic for reproduction
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	2451-62-9	219-514-3	Mutagenic
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione)	59653-74-6	423-400-0	Mutagenic
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	Carcinogenic
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline(Michler's base)	101-61-1	202-959-2	Carcinogenic
81	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	208-953-6	Carcinogenic
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	219-943-6	Carcinogenic
83	α,α-Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	Carcinogenic
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	Carcinogenic
85	Bis(pentabromophenyl) ether (DecaBDE)	1163-19-5	214-604-9	Persistent, bioaccumulative and toxic; very persistent and very bioaccumulative
86	N,N-dimethylformamide; dimethyl formamide	68-12-2	200-679-5	Toxic for reproduction
87	Methoxy acetic acid	625-45-6	210-894-6	Toxic for reproduction; equivalent level of concern
88	Dibutyltin dichloride (DBT)*	683-18-1	211-670-0	Toxic for reproduction
89	1,2-Diethoxyethane	629-14-1	211-076-1	Toxic for reproduction

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Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 8 of 15

No.	Substance name	CAS No.	EC No.	SVHC classification
90	Hexahydro-2-benzofuran-1,3-dione (HHPA), cis-cyclohexane-1,2-dicarboxylic anhydride,trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3	201-604-9, 236-086-3, 238-009-9	Equivalent level of concern
91	Hexahydromethylphthalic anhydride, Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	247-094-1, 243-072-0, 256-356-4, 260-566-1	Equivalent level of concern
92	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	-	-	Equivalent level of concern
93	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	Very persistent and very bioaccumulative
94	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	Toxic for reproduction
95	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	Very persistent and very bioaccumulative
96	N-pentyl-isopentylphthalate (iPnPP)	776297-69-9	-	Toxic for reproduction
97	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	Very persistent and very bioaccumulative
98	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated - covering well-defined substances and UVCB substances, polymers and homologues	-	-	Equivalent level of concern
99	Tricosafuorododecanoic acid	307-55-1	206-203-2	Very persistent and very bioaccumulative
100	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	Toxic for reproduction
101	Lead tetroxide (orange lead)*	1314-41-6	215-235-6	Toxic for reproduction
102	Diethyl sulphate	64-67-5	200-589-6	Carcinogenic; Mutagenic
103	Dinoseb	88-85-7	201-861-7	Toxic for reproduction
104	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	Toxic for reproduction
105	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	Toxic for reproduction
106	Furan	110-00-9	203-727-3	Carcinogenic
107	N-methylacetamide	79-16-3	201-182-6	Toxic for reproduction
108	o-Toluidine; 2-Aminotoluene	95-53-4	202-429-0	Carcinogenic
109	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	421-150-7	Toxic for reproduction

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Date: Mar.17, 2022

Page 9 of 15

No.	Substance name	CAS No.	EC No.	SVHC classification
110	4,4'-oxydianiline and its salts	101-80-4	202-977-0	Carcinogenic; Mutagenic
111	[Phthalato(2-)]dioxotrilead (Dibasic lead phthalate)*	69011-06-9	273-688-5	Toxic for reproduction
112	Lead titanium trioxide*	12060-00-3	235-038-9	Toxic for reproduction
113	Lead oxide sulphate*	12036-76-9	234-853-7	Toxic for reproduction
114	Lead dinitrate*	10099-74-8	233-245-9	Toxic for reproduction
115	Aminoazobenzene; 4-Phenylazoaniline	60-09-3	200-453-6	Carcinogenic
116	Lead cyanamidate*	20837-86-9	244-073-9	Toxic for reproduction
117	Tetralead trioxide sulphate*	12202-17-4	235-380-9	Toxic for reproduction
118	4-methyl-m-phenylenediamine (2,4-toluene-diamine)	95-80-7	202-453-1	Carcinogenic
119	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	Toxic for reproduction
120	Trilead bis(carbonate)dihydroxide (basic lead carbonate)*	1319-46-6	215-290-6	Toxic for reproduction
121	Dimethyl sulphate	77-78-1	201-058-1	Carcinogenic
122	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	Toxic for reproduction
123	Silicic acid, barium salt, lead-doped*	68784-75-8	272-271-5	Toxic for reproduction
124	Biphenyl-4-ylamine	92-67-1	202-177-1	Carcinogenic
125	Lead oxide (lead monoxide)*	1317-36-8	215-267-0	Toxic for reproduction
126	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	Toxic for reproduction
127	Propylene oxide; 1,2-epoxypropane; methyloxirane	75-56-9	200-879-2	Carcinogenic; Mutagenic
128	Silicic acid, lead salt*	11120-22-2	234-363-3	Toxic for reproduction
129	Trilead dioxide phosphonate*	12141-20-7	235-252-2	Toxic for reproduction
130	o-aminoazotoluene	97-56-3	202-591-2	Carcinogenic
131	bromopropane	106-94-5	203-445-0	Toxic for reproduction
132	methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	Carcinogenic
133	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	Carcinogenic
134	Tetraethyllead*	78-00-2	201-075-4	Toxic for reproduction
135	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	Toxic for reproduction
136	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	Toxic for reproduction
137	Diisopentylphthalate	605-50-5	210-088-4	Toxic for reproduction
138	Diazeno-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	Equivalent level of concern

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Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 10 of 15

No.	Substance name	CAS No.	EC No.	SVHC classification
139	Cadmium*	7440-43-9	231-152-8	Carcinogenic; Equivalent level of concern
140	Cadmium oxide*	1306-19-0	215-146-2	Carcinogenic; Equivalent level of concern
141	Dipentyl phthalate (DPP)	131-18-0	205-017-9	Toxic for reproduction
142	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]	-	-	Equivalent level of concern
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	PBT Toxic for reproduction;
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	PBT Toxic for reproduction;
145	Cadmium sulphide*	1306-23-6	215-147-8	Carcinogenic; Equivalent level of concern
146	Dihexyl phthalate	84-75-3	201-559-5	Toxic for reproduction
147	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	209-358-4	Carcinogenic
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)	1937-37-7	217-710-3	Carcinogenic
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	Toxic for reproduction
150	Lead di(acetate) *	301-04-2	206-104-4	Toxic for reproduction
151	Trixylyl phosphate*	25155-23-1	246-677-8	Toxic for reproduction
152	Cadmium chloride*	10108-64-2	233-296-7	Carcinogenic, Equivalent level of concern having probable serious effects to the environment
153	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	271-093-5	Toxic for reproduction
154	Sodium peroxometaborate*	7632-04-4	231-556-4	Toxic for reproduction
155	Sodium perborate; perboric acid, sodium salt*	234-390-0	239-172-9	Toxic for reproduction

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Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 11 of 15

No.	Substance name	CAS No.	EC No.	SVHC classification
156	Cadmium fluoride*	7790-79-6	232-222-0	Carcinogenic; Mutagenic; Toxic for reproduction; Equivalent level of concern having probable serious effects to human health
157	Cadmium sulphate*	10124-36-; 31119-53-6	233-331-6	Carcinogenic; Mutagenic; Toxic for reproduction; Equivalent level of concern having probable serious effects to human health
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	PBT & vPvB
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	247-384-8	PBT & vPvB
160	2-ethylhexyl 10-ethyl-4,4-diethyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	239-622-4	Toxic for reproduction
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-diethyl-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)	-	-	Toxic for reproduction
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate	68515-51-5 68648-93-1	271-094-0 272-013-1	Toxic for reproduction
163	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 stereoisomers of [1] and [2] or any combination thereof]	-	-	vPvB
164	Nitrobenzene	98-95-3	202-716-0	Toxic for reproduction
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	vPvB
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	vPvB
167	1,3-propanesultone	1120-71-4	214-317-9	Carcinogenic
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts*	375-95-1 21049-39-8 4149-60-4	206-801-3	PBT Toxic for reproduction;
169	Benzo(a)pyrene(BaP)	50-32-8	200-028-5	PBT & vPvB Carcinogenic; Mutagenic; Toxic for reproduction;

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Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 12 of 15

No.	Substance name	CAS No.	EC No.	SVHC classification
170	4,4'-Isopropylidenediphenol(Bisphenol A)	80-05-7	201-245-8	Toxic for reproduction
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	3108-42-7 335-76-2 3830-45-3	- 206-400-3 221-470-5	PBT Toxic for reproduction;
172	4-Heptylphenol, branched and linear	-	-	Equivalent level of concern having probable serious effects to the environment
173	4-tert-butylphenol	98-54-4	202-679-0	Equivalent level of concern having probable serious effects to the environment
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	-	vPvB
175	Chrysene	218-01-9, 1719-03-5	205-923-4	Carcinogenic
176	benz[a]anthracene	56-55-3	200-280-6	Carcinogenic PBT vPvB
177	cadmium nitrate	10022-68-1, 10325-94-7	233-710-6	Carcinogenic Mutagenic Specific target organ toxicity after repeated exposure
178	cadmium hydroxide	21041-95-2	244-168-5	Carcinogenic Mutagenic Specific target organ toxicity after repeated exposure
179	cadmium carbonate	513-78-0	208-168-9	Carcinogenic Mutagenic Specific target organ toxicity after repeated exposure
180	Dechlorane Plus(TM)	-	-	vPvB
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]	-	-	Endocrine disrupting properties
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride)	552-30-7	209-008-0	Endocrine disrupting properties
183	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	Toxic for reproduction; Endocrine disrupting properties
184	Ethylenediamine	107-15-3	203-468-6	Respiratory sensitising properties - human health
185	Terphenyl, hydrogenated	61788-32-7	262-967-7	vPvB
186	Benzo[ghi]perylene	191-24-2	205-883-8	PBT & vPvB
187	Disodium octaborate	12008-41-2	234-541-0	Toxic for reproduction
188	Lead	7439-92-1	231-100-4	Toxic for reproduction
189	Dodecamethylcyclotrisiloxane(D6)	540-97-6	208-762-8	PBT & vPvB

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Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 13 of 15

No.	Substance name	CAS No.	EC No.	SVHC classification
190	Decamethylcyclopentasiloxane(D5)	541-02-6	208-764-9	PBT & vPvB
191	Octamethylcyclotetrasiloxane(D4)	556-67-2	209-136-7	PBT & vPvB
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	Toxic for reproduction
193	Benzo[k]fluoranthene	207-08-9	205-916-6	PBT & vPvB
194	Fluoranthene	206-44-0; 93951-69-0	205-912-4	PBT & vPvB
195	Phenanthrene	85-01-8	201-581-5	PBT & vPvB
196	Pyrene	129-00-0; 1718-52-1	204-927-3	PBT & vPvB
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo [2.2.1]heptan-2-one	15087-24-8	239-139-9	Endocrine disrupting properties
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)pr opionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	-	Equivalent level of concern having probable serious effects to the environment
199	2-methoxyethyl acetate	110-49-6	203-772-9	Toxic for reproduction
200	4-tert-Butylphenol	98-54-4	202-679-0	Endocrine disrupting properties
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	-	-	Endocrine disrupting properties
202	2-benzyl-2-dimethylamino-4'-morpholinobu tyrophenone	119313-12-1	-	Toxic for reproduction
203	2-methyl-1-(4-methylthiophenyl)-2-morphol inopropan-1-one	71868-10-5	-	Toxic for reproduction
204	Diisohexyl phthalate	71850-09-4	-	Toxic for reproduction
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	-	Equivalent level of concern having probable serious effects to the environment
206	1-vinylimidazole	1072-63-5	214-012-0	Toxic for reproduction
207	2-methylimidazole	693-98-1	211-765-7	Toxic for reproduction
208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7-4	Endocrine disrupting properties
209	Dibutylbis(pentane-2,4- dionato-O,O')tin	22673-19-4	245-152-0	Toxic for reproduction
210	Resorcinol	108-46-3	203-585-2	Endocrine disrupting properties
211	Diocetyl tin 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	-	-	Toxic for reproduction

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Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 14 of 15

No.	Substance name	CAS No.	EC No.	SVHC classification
212	1,4-dioxane	123-91-1	204-661-8	Equivalent level of concern having probable serious effects to human health and the environment
213	2,2-bis(bromomethyl)propane 1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 36483-57-5/15 22-92-5 96-13-9	221-967-7 253-257-0 202-480-9	Carcinogenic
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	-	Toxic for reproduction
215	4,4'-(1-methylpropylidene) bisphenol (bisphenol B)	77-40-7	201-025-1	Endocrine disrupting properties
216	Glutaral	111-30-8	203-856-5	Respiratory sensitising properties - human health
217	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	-	PBT & vPvB
218	Orthoboric acid, sodium salt	13840-56-7	237-560-2	Toxic for reproduction
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)	-	-	Toxic for reproduction Respiratory sensitising properties - human health
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)	-	-	Endocrine disrupting properties- human health
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	204-327-1	Toxic for reproduction
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	255881-94-8	401-850-9	PBT
223	tris(2-methoxyethoxy)vinylsilane*	1067-53-4	213-934-0	Toxic for reproduction

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Test Report

Report No.: SFT22031229663-02-03E

Date: Mar.17, 2022

Page 15 of 15

Note:

1. The limit of 0.1% (w/w) applies to an article. The results were calculated assuming as the submitted sample was an article. However, the results may not be applicable if the intended use of the sample is a substance or mixture. According to REACH, definition of an article, substance and mixture are:
 - I. Article - An object during production is given a special shape, surface or design which determines its function to a greater degree than does its chemical composition
 - II. Substance - A chemical element and its compound in the natural state or obtained by any manufacturing process
 - III. Mixture (Previously known as "Preparation") - A mixture or solution composed of two or more substances
2. In accordance of Article 7 of Regulation (EC) No. 1907/2006 (REACH regulation) – Registration and notification of substances in articles, any producer or importer of articles shall notify ECHA, if a substance meets in criteria in Article 57 and is identified in accordance with Article 59(1), if both (1) the substance is present in those articles in quantities totalling over 1 tonne per producer or importer per year & (2) the substance is present in those articles above a concentration of 0.1% weight by weight (w/w) are met. The information to be notified shall include (a) identity and contact details of the producer or importer, (b) the registration numbers, (c) the identity of the substance and (d) the classification of the substance, (e) a brief description of the use of the substance and (f) the tonnage range of the substance.
3. In accordance of Article 33 of Regulation (EC) No. 1907/2006 (REACH regulation) – Duty to communicate information on substances in articles, any supplier of an article containing a substance meeting the criteria in Article 57 and identified in accordance with Article 59(1) in 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. On request by a consumer the relevant information shall be provided by any supplier of an article free of charge, within 45 days of receipt of the request.

Remark:

1. PBT = Persistent, bio accumulative and toxic as defined in Regulation (EC) No 1907/2006
2. vPvB = Very persistent and very bio accumulative as defined in Regulation (EC) No 1907/2006
3. *Result is based on the heavy metal or inorganic element concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.

End of Report

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