



Test Report

Date :2021-12-07

Page 1 of 18

No. : DT21120084

**Applicant (08306966)** : ANHUI ANLI MATERIAL TECHNOLOGY CO.,LTD  
安徽安利材料科技股份有限公司  
DEVELOPMENT AREA OF TAOHUA INDUSTRIAL  
ZONE ECONOMY & TECHNOLIGY DEVELOPMENT  
AREA HEFEI ANHUI CHINA  
安徽合肥经济技术开发区桃花工业园拓展区

**Description of Sample(s)** : One(1) style of submitted sample(s) said to be :  
BOLIPI

**Date sample(s) Received** : 2021-12-03

**Date Tested** : 2021-12-03 to 2021-12-07

**Result Summary:**

No.	Test Requested	Conclusion	Remark
1	Semi-quantitative testing of two hundred and nineteen (219) substances in the candidate list of substances of very high concern (SVHC) for authorization published by european chemicals agency (ECHA) on Jul 8, 2021 regarding to Regulation (EC) No 1907/2006 concerning the REACH	No SVHCs with concentration > 0.1% was found	-

  
Liu Liang Guang, Henry  
Authorized Signatory

STC (Dongguan) Company Limited

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Test Report

Date :2021-12-07

Page 2 of 18

No. : DT21120084

TEST RESULT(S):

**SEMI-QUANTITATIVE TESTING OF TWO HUNDRED AND NINETEEN (219) SUBSTANCES IN THE CANDIDATE LIST OF SUBSTANCES OF VERY HIGH CONCERN (SVHC) FOR AUTHORIZATION PUBLISHED BY EUROPEAN CHEMICALS AGENCY (ECHA) ON JUL 08, 2021 REGARDING TO REGULATION (EC) NO 1907/2006 CONCERNING THE REACH**

Method Used: In-House method, analyzed by Inductively Coupled Argon Plasma Atomic Emission Spectrophotometer (ICP-AES), UV-VIS, HPLC and Gas Chromatography with Mass Selective Detector

Test Item(s)	Article / Material Description	Style
1	BOLIPI	-

Test Item(s)	Result(s)			
	No.	Detected Analyte(s)	Conc.	Unit
1	-	ND	ND	%

Note(s):

- ND = Not Detected
- Results reported in percentage%(w/w)
- Detection limit: please refer to Annex
- Conc. = Concentration

Remark(s):

- 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 and/or investigation from the laboratory (for organic substance).
- Please notice that the identified SVHC substance(s) is based on the calculation from the result of selected ions. The concentration that identified is based on the worst case scenario. Further investigation is required for confirmation of the presence of SVHC substance(s).

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**ANNEX**

Semi-quantitative testing of two hundred and nineteen (219) substances in the candidate list of substances of very high concern (SVHC) for authorization published by european chemicals agency (ECHA) and four substances were proposed to identify as SVHC

No.	Substance Name	CAS No.	For material detection limit,%	Basis for identification as a SVHC
1	Anthracene	120-12-7	0.005	PBT
2	Benzyl butyl phthalate (BBP)	85-68-7	0.005	Toxic for Reproduction; Endocrine disrupting properties
3	Dibutyl phthalate (DBP)	84-74-2	0.005	Toxic for Reproduction; Endocrine disrupting properties
4	Bis (2-ethylhexyl) phthalate (DEHP)	117-81-7	0.005	Toxic for Reproduction; Endocrine disrupting properties
5	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified ( $\alpha$ -HBCDD, $\beta$ -HBCDD, $\gamma$ -HBCDD)	25637-99-4/ 3194-55-6 (134237-51-7,134237-50-6,134237-52-8)	0.005	PBT
6	4,4'-Diaminodiphenylmethane	101-77-9	0.005	Carcinogenic
7	Alkanes, C10-13,chloro (Short Chain Chlorinated Paraffins)	85535-84-8	0.01	PBT ; vPvB
8	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	0.005	vPvB
9	Triethyl arsenate*	15606-95-8	0.01	Carcinogenic
10	Bis(tributyltin)oxide (TBTO)*	56-35-9	0.005	PBT
11	Cobalt dichloride*	7646-79-9	0.01	Carcinogenic; Toxic for reproduction
12	Diarsenic pentaoxide*	1303-28-2	0.01	Carcinogenic
13	Diarsenic trioxide*	1327-53-3	0.01	Carcinogenic
14	Sodium dichromate*	7789-12-0, 10588-01-9	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction
15	Lead hydrogen arsenate*	7784-40-9	0.01	Carcinogenic;Toxic for Reproduction
16	2,4-dinitrotoluene	121-14-2	0.005	Carcinogenic



**Test Report**

Date :2021-12-07

Page 4 of 18

No. : DT21120084

17	Anthracene oil	90640-80-5	0.01	Carcinogenic; PBT ;vPvB
18	Anthracene oil,anthracene paste	90640-81-6	0.01	Carcinogenic; Mutagenic; PBT;vPvB
19	Anthracene oil,anthracene paste,anthracene fraction	91995-15-2	0.01	Carcinogenic; Mutagenic; PBT ;vPvB
20	Anthracene oil,anthracene paste,distn. lights	91995-17-4	0.01	Carcinogenic; Mutagenic; PBT ;vPvB
21	Anthracene oil, anthracene-low	90640-82-7	0.01	Carcinogenic; Mutagenic; PBT;vPvB
22	Di isobutyl phthalate(DIBP)	84-69-5	0.005	Toxic for Reproduction; Endocrine disrupting properties
23	Lead chromate*	7758-97-6	0.01	Carcinogenic; Toxic for Reproduction
24	Lead chromate molybdate sulphate red (C.I. Pigment Red 104)*	12656-85-8	0.01	Carcinogenic; Toxic for Reproduction
25	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	1344-37-2	0.01	Carcinogenic ; Toxic for Reproduction
26	Pitch, coal tar, high temp.	65996-93-2	0.01	Carcinogenic; PBT;vPvB
27	Tris(2-chloroethyl) phosphate	115-96-8	0.005	Toxic for Reproduction
28	Acrylamide	79-06-1	0.005	Carcinogenic; Mutagenic
29	Disodium tetraborate, anhydrous*	1303-96-4, 1330-43-4, 12179-04-3	0.01	Toxic for Reproduction
30	Potassium chromate*	7789-00-6	0.01	Carcinogenic; Mutagenic
31	Potassium dichromate*	7778-50-9	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction
32	Sodium chromate*	7775-11-3	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction
33	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	0.01	Toxic for Reproduction
34	Trichloroethylene	79-01-6	0.005	Carcinogenic
35	Boric acid*	10043-35-3/ 11113-50-1	0.01	Toxic for Reproduction
36	Ammonium dichromate*	7789-09-5	0.01	Carcinogenic; Mutagenic; Toxic for Reproduction
37	2-Methoxyethanol	109-86-4	0.005	Toxic for Reproduction
38	2-Ethoxyethanol	110-80-5	0.005	Toxic for Reproduction

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Date :2021-12-07

Page 5 of 18

No. : DT21120084

39	Chromic acid*	7738-94-5, 13530-68-2	0.01	Carcinogenic
40	Cobalt (II) diacetate*	71-48-7	0.01	Carcinogenic; Toxic for reproduction
41	Cobalt (II) sulphate*	10124-43-3	0.01	Carcinogenic; Toxic for reproduction
42	Cobalt (II) dinitrate*	10141-05-6	0.01	Carcinogenic; Toxic for reproduction
43	Cobalt (II) carbonate*	513-79-1	0.01	Carcinogenic; Toxic for reproduction
44	Chromium trioxide*	1333-82-0	0.01	Carcinogenic; Mutagenic
45	2-ethoxyethyl acetate	111-15-9	0.005	Toxic for Reproduction
46	Strontium chromate*	7789-06-2	0.01	Carcinogenic
47	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	68515-42-4	0.005	Toxic for Reproduction
48	Hydrazine	7803-57-8 302-01-2	0.005	Carcinogenic
49	1-methyl-2-pyrrolidone	872-50-4	0.005	Toxic for Reproduction
50	1,2,3-trichloropropane	96-18-4	0.005	Carcinogenic; Toxic for Reproduction
51	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich	71888-89-6	0.005	Toxic for Reproduction
52	Dichromium tris(chromate)*	24613-89-6	0.01	Carcinogenic
53	Potassium hydroxyoctaoxodizincate dichromate*	11103-86-9	0.01	Carcinogenic
54	Pentazinc chromate octahydroxide*	49663-84-5	0.01	Carcinogenic
55	Aluminosilicate Refractory Ceramic Fibres (RCF)*	-	0.01	Carcinogenic
56	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF)*	-	0.01	Carcinogenic
57	Formaldehyde, oligomeric reaction products with aniline (technical MDA)	25214-70-4	0.005	Carcinogenic
58	Bis(2-methoxyethyl) phthalate (DMEP)	117-82-8	0.005	Toxic for Reproduction
59	2-Methoxyaniline; o-Anisidine	90-04-0	0.005	Carcinogenic

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Date :2021-12-07

Page 6 of 18

No. : DT21120084

60	4-(1,1,3,3-tetramethylbutyl) phenol,	140-66-9	0.005	Endocrine disrupting properties
61	1,2-Dichloroethane	107-06-2	0.005	Carcinogenic
62	Bis(2-methoxyethyl) ether	111-96-6	0.005	Toxic for Reproduction
63	Arsenic acid*	7778-39-4	0.01	Carcinogenic
64	Calcium arsenate*	7778-44-1	0.01	Carcinogenic
65	Trilead diarsenate*	3687-31-8	0.01	Carcinogenic Toxic for Reproduction
66	N,N-dimethylacetamide (DMAC)	127-19-5	0.005	Toxic for Reproduction
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.005	Carcinogenic
68	Phenolphthalein	77-09-8	0.005	Carcinogenic
69	Lead azide; Lead diazide*	13424-46-9	0.01	Toxic for Reproduction
70	Lead styphnate*	15245-44-0	0.01	Toxic for Reproduction
71	Lead dipicrate*	6477-64-1	0.01	Toxic for Reproduction
72	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	0.01	Carcinogenic
73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline	101-61-1	0.005	Carcinogenic
74	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)	59653-74-6	0.005	Mutagenic
75	Diboron trioxide*	1303-86-2	0.01	Toxic for Reproduction
76	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	112-49-2	0.005	Toxic for Reproduction
77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with $\geq 0.1\%$ of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)]	561-41-1	0.005	Carcinogenic
78	Lead(II) bis(methanesulfonate)*	17570-76-2	0.01	Toxic for Reproduction
79	Formamide	75-12-7	0.005	Toxic for Reproduction
80	[4-[4,4'-bis(dimethylamino)benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)	548-62-9	0.005	Carcinogenic

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Date :2021-12-07

Page 7 of 18

No. : DT21120084

81	1,2-dimethoxyethane; ethylene glycol dimethyl ether(EGDME)	110-71-4	0.005	Toxic for Reproduction
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylen e]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26)	2580-56-5	0.01	Carcinogenic
83	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	0.005	Mutagenic
84	4,4'-bis(dimethylamino)benzophenone	90-94-8	0.005	Carcinogenic
85	Pyrochlore, antimony lead yellow*	8012-00-8	0.01	Toxic for Reproduction
86	6-methoxy-m-toluidine (p-cresidine)	120-71-8	0.005	Carcinogenic
87	Henicosfluoroundecanoic acid	2058-94-8	0.005	vPvB
88	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	0.01	Respiratory sensitising properties
89	Cyclohexane-1,2-dicarboxylic anhydride , cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride	85-42-7, 13149-00-3, 14166-21-3	0.01	Respiratory sensitising properties
90	Dibutyltin dichloride (DBTC)	683-18-1	0.01	Toxic for Reproduction
91	Lead bis(tetrafluoroborate)*	13814-96-5	0.01	Toxic for Reproduction
92	Lead dinitrate *	10099-74-8	0.01	Toxic for Reproduction
93	Silicic acid, lead salt *	11120-22-2	0.01	Toxic for Reproduction
94	4-Aminoazobenzene	60-09-3	0.005	Carcinogenic
95	Lead titanium zirconium oxide*	12626-81-2	0.01	Toxic for Reproduction
96	Lead monoxide (lead oxide)*	1317-36-8	0.01	Toxic for Reproduction
97	o-Toluidine	95-53-4	0.005	Carcinogenic
98	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.01	Toxic for Reproduction
99	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped	68784-75-8	0.01	Toxic for Reproduction
100	Trilead bis(carbonate)dihydroxide*	1319-46-6	0.01	Toxic for Reproduction
101	Furan	110-00-9	0.01	Carcinogenic

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Date :2021-12-07

Page 8 of 18

No. : DT21120084

102	N,N-dimethylformamide	68-12-2	0.005	Toxic for Reproduction
103	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	-	0.005	Endocrine disrupting properties
104	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	Endocrine disrupting properties
105	4,4'-methylenedi-o-toluidine	838-88-0	0.005	Carcinogenic
106	Diethyl sulphate	64-67-5	0.005	Carcinogenic; Mutagenic
107	Dimethyl sulphate	77-78-1	0.01	Carcinogenic
108	Lead oxide sulfate*	12036-76-9	0.01	Toxic for Reproduction
109	Lead titanium trioxide*	12060-00-3	0.01	Toxic for Reproduction
110	Acetic acid, lead salt, basic*	51404-69-4	0.01	Toxic for Reproduction
111	[Phthalato(2-)]dioxotrilead *	69011-06-9	0.01	Toxic for Reproduction
112	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	0.005	PBT;vPvB
113	N-methylacetamide	79-16-3	0.005	Toxic for Reproduction
114	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.01	Toxic for Reproduction
115	1,2-Diethoxyethane	629-14-1	0.005	Toxic for Reproduction
116	Tetralead trioxide sulphate*	12202-17-4	0.01	Toxic for Reproduction
117	N-pentyl-isopentylphthalate	776297-69-9	0.005	Toxic for Reproduction
118	Dioxobis(stearato)trilead *	12578-12-0	0.01	Toxic for Reproduction
119	Tetraethyllead*	78-00-2	0.01	Toxic for Reproduction
120	Pentalead tetraoxide sulphate *	12065-90-6	0.01	Toxic for Reproduction
121	Pentacosaflluorotridecanoic acid	72629-94-8	0.005	vPvB
122	Tricosaflluorododecanoic acid	307-55-1	0.005	vPvB
123	Heptacosaflluorotetradecanoic acid	376-06-7	0.005	vPvB
124	1-bromopropane (n-propyl bromide)	106-94-5	0.01	Toxic for Reproduction

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Date :2021-12-07

Page 9 of 18

No. : DT21120084

125	Methoxyacetic acid	625-45-6	0.005	Toxic for Reproduction
126	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.005	Carcinogenic
127	Methyloxirane (Propylene oxide)	75-56-9	0.01	Carcinogenic; Mutagenic
128	Trilead dioxide phosphonate	12141-20-7	0.01	Toxic for Reproduction
129	o-aminoazotoluene	97-56-3	0.005	Carcinogenic
130	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.005	Toxic for Reproduction
131	4,4'-oxydianiline and its salts	101-80-4	0.005	Carcinogenic; Mutagenic
132	Orange lead (lead tetroxide)*	1314-41-6	0.01	Toxic for Reproduction
133	Biphenyl-4-ylamine	92-67-1	0.005	Carcinogenic
134	Diisopentylphthalate	605-50-5	0.005	Toxic for Reproduction
135	Fatty acids, C16-18, lead salts	91031-62-8	0.01	Toxic for Reproduction
136	Diazene-1,2-dicarboxamide(C,C'-azodi(formamide))	123-77-3	0.01	Respiratory sensitising properties
137	Sulfurous acid, lead salt, dibasic *	62229-08-7	0.01	Toxic for Reproduction
138	Lead cyanamidate*	20837-86-9	0.01	Toxic for Reproduction
139	Cadmium	7440-43-9	0.005	Carcinogenic ; Specific target organ toxicity after repeated exposure
140	Cadmium oxide*	1306-19-0	0.005	Carcinogenic ; Specific target organ toxicity after repeated exposure
141	Dipentyl phthalate (DPP)	131-18-0	0.005	Toxic for reproduction
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]	-	0.01	Endocrine disrupting properties
143	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	0.01	Toxic for reproduction ; PBT

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144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.01	Toxic for reproduction ; PBT
145	Cadmium sulphide*	1306-23-6	0.005	Carcinogenic ; Specific target organ toxicity after repeated exposure
146	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.01	Carcinogenic
147	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	0.01	Carcinogenic
148	Dihexyl phthalate	84-75-3	0.01	Toxic for reproduction
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	0.01	Toxic for reproduction
150	Lead di(acetate)*	301-04-2	0.01	Toxic for reproduction
151	Trixylyl phosphate	25155-23-1	0.01	Toxic for reproduction
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (DIHP)	68515-50-4	0.01	Toxic for reproduction
153	Cadmium chloride	10108-64-2	0.01	Carcinogenic; Mutagenic Toxic for reproduction Specific target organ toxicity after repeated exposure
154	Sodium perborate; perboric acid, sodium salt	-	0.01	Toxic for reproduction
155	Sodium peroxometaborate	7632-04-4	0.01	Toxic for reproduction
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.01	vPvB, PBT
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.01	vPvB, PBT
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	15571-58-1	0.01	Toxic for Reproduction

159	Cadmium fluoride	7790-79-6	0.01	Carcinogenic ; Mutagenic Toxic for reproduction Specific target organ toxicity after repeated exposure
160	Cadmium sulphate	10124-36-431119-53-6	0.01	Carcinogenic ; Mutagenic Toxic for reproduction Specific target organ toxicity after repeated exposure
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)	-	0.01	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	0.01	Toxic for Reproduction
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl-1,3-dioxane [1], 5-secbutyl-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	-	0.01	vPvB
164	1,3-propanesultone	1120-71-4	0.01	Carcinogenic
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.01	vPvB
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.01	vPvB

167	Nitrobenzene	98-95-3	0.01	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	375-95-1 21049-39-8 4149-60-4	0.01	Toxic for reproduction PBT
169	Benzo[def]chrysene	50-32-8	0.01	Carcinogenic Mutagenic Toxic for reproduction PBT vPvB
170	4,4'-isopropylidenediphenol (bisphenol A)	80-05-7	0.01	Toxic for reproduction; Endocrine disrupting properties
171	nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 3830-45-3 3108-42-7	0.01	Toxic for reproduction; PBT
172	4-heptylphenol, branched and linear (4-HPbl)	-	0.01	Endocrine disrupting properties
173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.01	Endocrine disrupting properties
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	-	0.01	vPvB
175	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	13560-89-9 135821-74-8 135821-03-3	0.01	vPvB
176	Benz[a]anthracene	56-55-3	0.01	Carcinogenic PBT vPvB
177	Cadmium nitrate	10325-94-7	0.01	Carcinogenic Toxic
178	Cadmium carbonate	513-78-0	0.01	Carcinogenic Toxic
179	Cadmium hydroxide	21041-95-2	0.01	Carcinogenic Toxic
180	Chrysene	218-01-9	0.01	Carcinogenic PBT vPvB

Date :2021-12-07

Page 13 of 18

No. : DT21120084

181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with $\geq$ 0.1% w/w 4-heptylphenol, branched and linear]	-	0.01	endocrine disruption
182	Dicyclohexyl phthalate	84-61-7	0.01	toxic for reproduction; endocrine disruption
183	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	552-30-7	0.01	respiratory sensitising
184	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.01	PBT vPvB
185	Decamethylcyclopentasiloxane (D5)	541-02-6	0.01	PBT vPvB
186	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.01	PBT vPvB
187	Lead	7439-92-1	0.01	Toxic for reproduction;
188	Disodium octaborate	12008-41-2	0.01	Toxic for reproduction;
189	Benzo[ghi]perylene	191-24-2	0.01	PBT vPvB
190	Terphenyl hydrogenated	61788-32-7	0.01	vPvB
191	Ethylenediamine (EDA)	107-15-3	0.01	respiratory sensitising
192	2,2-bis-(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.01	Toxic for reproduction
193	Benzo[k]fluoranthene	207-08-9	0.01	Carcinogenic PBT vPvB
194	Fluoranthene	206-44-0	0.01	PBT vPvB
195	Phenanthrene	85-01-8	0.01	vPvB
196	Pyrene	129-00-0	0.01	PBT vPvB
197	1,7,7-trimethyl-3-(phenylmethylene)-bicyclo[2.2.1]heptan-2-one	15087-24-8	0.01	Endocrine disrupting properties

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Date :2021-12-07

Page 14 of 18

No. : DT21120084

198	4-tert-butyphenol	98-54-4	0.01	Endocrine disrupting properties
199	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	-	0.01	Equivalent level of concern having probable serious effects on the environment Equivalent level of concern having probable serious effects on human health
200	2-methoxyethyl acetate	110-49-6	0.01	Toxic for reproduction
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq$ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.01	Endocrine disrupting properties
202	Diisohexyl phthalate	71850-09-4	0.01	Toxic for reproduction
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.01	Toxic for reproduction
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.01	Toxic for reproduction
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.01	Equivalent level of concern having probable serious effects to the environment Equivalent level of concern having probable serious effects to human health
206	1-vinylimidazole	1072-63-5	0.01	Toxic for reproduction
207	2-methylimidazole	693-98-1	0.01	Toxic for reproduction
208	Butyl 4-hydroxybenzoate	94-26-8	0.01	Endocrine disrupting properties
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	22673-19-4	0.01	Toxic for reproduction
210	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	-	0.01	Toxic for reproduction

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211	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	0.01	Toxic for reproduction
212	<u>1,4-dioxane</u>	123-91-1	0.01	Carcinogenic Equivalent level of concern having probable serious effects to the environment Equivalent level of concern having probable serious effects to human health
213	<u>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)</u>	3296-90-0 36483-57-5 1522-92-5 96-13-9	0.01	Carcinogenic
214	<u>2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers</u>	-	0.01	Toxic for reproduction
215	<u>4,4'-(1-methylpropylidene)bisphenol (bisphenol B)</u>	77-40-7	0.01	Endocrine disrupting properties
216	<u>glutaral</u>	111-30-8	0.01	Respiratory sensitising properties
217	<u>Medium-chain chlorinated paraffins (MCCP)</u> (UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17)	-	0.01	PBT vPvB
218	<u>orthoboric acid, sodium salt</u>	-	0.01	Toxic for reproduction
219	<u>Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)</u>	-	0.01	Toxic for reproduction Endocrine disrupting properties

**Date :2021-12-07**

**Page 16 of 18**

**No. : DT21120084**

Remark(s):

- The candidate list of SVHC for authorization may change in the future.
- Definition of classification is listed on Appendix A of this report in accordance with (EC)No 1272/2008.
- \* Test results are calculated as per selected ion(s) including cadmium, cobalt, sodium, lead, arsenic, chloride, calcium, strontium, chromate, aluminum, zirconium, boron, nitrogen, and arsenate. Concentration as per compound is calculated from the test result as per selected ion. Further confirmation and quantization techniques including Ion Chromatography, UV-Vis spectrometry and Thin Layer Chromatography would be adopted whenever a positive result is found over the reporting limit.

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Test Report

Date :2021-12-07

Page 17 of 18

No. : DT21120084

APPENDIX A

Definition under (EC)No 1272/2008

- Carcinogen Category 1 : Substances known to be carcinogenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and the development of cancer.
- Carcinogen Category 2 : Substances which should be regarded as if they are carcinogenic to man. There is sufficient evidence to provide a strong presumption that human exposure to a substance may result in the development of cancer. Generally on the basis of :  
-appropriate long-term animal studies  
-other relevant information.
- Mutagen Category 1 : Substances known to be mutagenic to man. There is sufficient evidence to establish a causal association between human exposure to a substance and heritable genetic damage.
- Mutagen Category 2 : Substances which should be regarded as if they are mutagenic to man. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in the development of heritable genetic damage, generally on the basis of:  
-appropriate animal studies  
-other relevant information.
- Toxic to Reproduction Category 1 : Substances known to impair fertility in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and impaired fertility.  
Substances known to cause developmental toxicity in humans. There is sufficient evidence to establish a causal relationship between human exposure to the substance and subsequent developmental toxic effects in the progeny.
- Toxic to Reproduction Category 2 : Substances which should be regarded as if they impair fertility in humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in impaired fertility in the basis of:  
-clear evidence in animal studies of impaired fertility in the absence of toxic effects, or, evidence of impaired fertility occurring at around the same dose levels as other toxic effects but which is not a secondary nonspecific consequence of the other toxic effects,-other relevant information.  
Substances which should be regarded as if they cause developmental toxicity to humans. There is sufficient evidence to provide a strong presumption that human exposure to the substance may result in developmental toxicity, generally on the basis of:  
-clear results in appropriate animal studies where effects have been observed in the absence of signs of marked maternal toxicity, or at around the same dose levels as other toxic effects but which are not a secondary non-specific consequence of the other toxic effects,  
-other relevant information.
- PBT & vPvB : Substances which are persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) pose a particular challenge to the chemicals safety management. For these substances a “safe” concentration in the environment cannot be established with sufficient reliability.

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Date :2021-12-07

Page 18 of 18

No. : DT21120084

**Appendix for Photos of the Submitted Sample(s)**

DT21120084



**\*\*\*\*\* End of Test Report \*\*\*\*\***

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