

TEST REPORT

Applicant: Shanghai Yifeng New Materials Co.,Ltd.
Address: NO.350 ZHUANGBEI ROAD. FENGXIAN DISTRICT

The following sample information was submitted and identified by/on the behalf of the client:

Sample Name: PVC Environmental protection flame retardant groove
Sample Status: Solid material
Quantities: 2 pieces
Date of Receipt: 2021.09.24
Test Period: 2021.09.24~2021.09.30
Test Request: Two hundreds and nineteen (219) SVHC screening is performed according to Regulation (EC) No 1907/2006 concerning the REACH.
Test Method: See next pages
Test Result: See next pages

Summary:

According to the specified scope and evaluation screening, the test results of SVHC are $\leq 0.1\%$ (w/w) in the submitted sample.	Comply
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Shanghai ULS Testing Technology Co., Ltd.

Issue date: Oct. 19, 2021



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Material List:

No.	Sample No.	Sample Description
001	210924002001	Grey plastic

Testing groups	Testing requirement	Composition
A1	219 Substances of Very High Concern(SVHC) testing	001

Test Results:

Test method: In-house method, GC-MS, GC-ECD/NCI-GC/MS, HPLC and UPLC-PDA-MS quantification of relevant SVHC (substances of very high concern) in material samples;
 ICP-OES-screening after decomposition for determination of relevant SVHC.

Substance name	CAS No.	RL (%)	Result (%)
			A1
All tested SVHC	---	---	N.D.

- Remark:
- 1) The table above only shows detected substances, and substances that below Reporting Limit are not reported. Please refer to Annex 1 for the full list of tested SVHC.
 - 2) *The substances are tested in term of its respective elements (e.g. As, Pb, Cr(VI), B).
 - 3) §The substance is proposed for the identification as target compound only where it contains Michler's ketone(CAS No.:90-94-8) or Michler's base(CAS No.:101-61-1) $\geq 0.1\%$ (w/w).
 - 4) Anthracene are tested by Polycyclic and heterocyclic Aromatic Hydrocarbons.
 - 5) # these items were performed by an external laboratory with required accreditation.
 - 6) "N.D." = Not detected(<RL), "RL" = Reporting Limit

*** See next page ***

Annex1 - Full list of tested SVHC:

No.	Substance name	EC No.	CAS No.	RL%
1	Triethyl arsenate*	427-700-2	15606-95-8	0.01
2	Sodium dichromate*	234-190-3	10588-01-9 7789-12-0	0.01
3	Lead hydrogen arsenate*	232-064-2	7784-40-9	0.01
4	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified(α -HBCDD, β -HBCDD, γ -HBCDD)#	247-148-4 221-695-9	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	0.01
5	Dibutyl phthalate (DBP)#	201-557-4	84-74-2	0.01
6	Diarsenic trioxide*	215-481-4	1327-53-3	0.01
7	Diarsenic pentaoxide*	215-116-9	1303-28-2	0.01
8	Cobalt dichloride*	231-589-4	7646-79-9	0.01
9	Bis(tributyltin) oxide (TBTO)#	200-268-0	56-35-9	0.01
10	Bis (2-ethylhexyl)phthalate (DEHP)#	204-211-0	117-81-7	0.01
11	Benzyl butyl phthalate (BBP)#	201-622-7	85-68-7	0.01
12	Anthracene#	204-371-1	120-12-7	0.01
13	Alkanes, C10-13, chloro (Short Chain Chlorinated Paraffins)#	287-476-5	85535-84-8	0.01
14	5-tert-butyl-2,4,6-trinitro-m-xylene 6-(Musk xylene)#	201-329-4	81-15-2	0.01
15	4,4'- Diaminodiphenylmethane (MDA)#	202-974-4	101-77-9	0.01
16	Tris(2-chloroethyl) phosphate#	204-118-5	115-96-8	0.01
17	Pitch, coal tar, high-temp.#	266-028-2	65996-93-2	0.01
18	Lead sulfochromate yellow (C.I. Pigment Yellow 34) *	215-693-7	1344-37-2	0.005
19	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) *	235-759-9	12656-85-8	0.005
20	Lead chromate*	231-846-0	7758-97-6	0.005
21	Diisobutyl phthalate#	201-553-2	84-69-5	0.01
22	Anthracene oil, anthracene-low#	292-604-8	90640-82-7	0.05

No.	Substance name	EC No.	CAS No.	RL%
23	Anthracene oil, anthracene paste, distn. lights#	295-278-5	91995-17-4	0.05
24	Anthracene oil, anthracene paste, anthracene fraction#	295-275-9	91995-15-2	0.05
25	Anthracene oil, anthracene paste#	292-603-2	90640-81-6	0.05
26	Anthracene oil#	292-602-7	90640-80-5	0.05
27	2,4-dinitrotoluene#	204-450-0	121-14-2	0.01
28	Acrylamide#	201-173-7	79-06-1	0.01
29	Trichloroethylene#	201-167-4	79-01-6	0.01
30	Tetraboron disodium heptaoxide, hydrate*	235-541-3	12267-73-1	0.01
31	Sodium chromate*	231-889-5	7775-11-3	0.01
32	Potassium dichromate*	231-906-6	7778-50-9	0.01
33	Potassium chromate*	232-140-5	7789-00-6	0.01
34	Disodium tetraborate, anhydrous*	215-540-4	12179-04-3 1303-96-4 1330-43-4	0.01
35	Boric acid*	233-139-2 234-343-4	10043-35-3 11113-50-1	0.01
36	Ammonium dichromate*	232-143-1	7789-09-5	0.01
37	Cobalt(II) sulphate*	233-334-2	10124-43-3	0.01
38	Cobalt(II) dinitrate*	233-402-1	10141-05-6	0.01
39	Cobalt(II) diacetate*	200-755-8	71-48-7	0.01
40	Cobalt(II) carbonate*	208-169-4	513-79-1	0.01
41	Chromium trioxide*	215-607-8	1333-82-0	0.01
42	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid*	231-801-5 236-881-5	13530-68-2 7738-94-5	0.01
43	2-methoxyethanol#	203-713-7	109-86-4	0.01
44	2-ethoxyethanol#	203-804-1	110-80-5	0.01
45	Strontium chromate*	232-142-6	7789-06-2	0.01
46	Hydrazine#	206-114-9	302-01-2 7803-57-8	0.01
47	2-ethoxyethyl acetate#	203-839-2	111-15-9	0.01

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No.	Substance name	EC No.	CAS No.	RL%
48	1-Methyl-2-pyrrolidone (NMP)#	212-828-1	872-50-4	0.01
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters#	271-084-6	68515-42-4	0.01
50	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters#	276-158-1	71888-89-6	0.01
51	1,2,3-trichloropropane#	202-486-1	96-18-4	0.01
52	Zirconia Aluminosilicate Refractory Ceramic Fibres*	—	—	0.01
53	Trilead diarsenate*	222-979-5	3687-31-8	0.01
54	Potassium hydroxyoctaoxodizincatedichromate*	234-329-8	11103-86-9	0.01
55	Phenolphthalein#	201-004-7	77-09-8	0.01
56	Pentazinc chromate octahydroxide*	256-418-0	49663-84-5	0.01
57	N,N-dimethylacetamide#	204-826-4	127-19-5	0.01
58	Lead styphnate*	239-290-0	15245-44-0	0.01
59	Lead dipicrate*	229-335-2	6477-64-1	0.01
60	Lead diazide, Lead azide*	236-542-1	13424-46-9	0.01
61	Formaldehyde, oligomeric reaction products with aniline#	500-036-1	25214-70-4	0.05
62	Dichromium tris(chromate)*	246-356-2	24613-89-6	0.01
63	Calcium arsenate*	231-904-5	7778-44-1	0.01
64	Bis(2-methoxyethyl) phthalate#	204-212-6	117-82-8	0.01
65	Bis(2-methoxyethyl) ether#	203-924-4	111-96-6	0.01
66	Arsenic acid*	231-901-9	7778-39-4	0.01
67	Aluminosilicate Refractory Ceramic Fibres*	—	—	0.01
68	4-(1,1,3,3-tetramethylbutyl)phenol#	205-426-2	140-66-9	0.01
69	2-Methoxyaniline, o-Anisidine#	201-963-1	90-04-0	0.01
70	2,2'-dichloro-4,4'-methylenedianiline#	202-918-9	101-14-4	0.01
71	1,2-dichloroethane#	203-458-1	107-06-2	0.01

No.	Substance name	EC No.	CAS No.	RL%
72	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)§#	229-851-8	6786-83-0	0.01
73	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)#	202-959-2	101-61-1	0.01
74	Lead(II) bis(methanesulfonate) *	401-750-5	17570-76-2	0.01
75	Formamide#	200-842-0	75-12-7	0.01
76	Diboron trioxide*	215-125-8	1303-86-2	0.01
77	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)ph enyl]methylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride [5-(C.I. Basic Blue 26)§#	219-943-6	2580-56-5	0.01
78	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I. Basic Violet 3)§#	208-953-6	548-62-9	0.01
79	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)#	202-027-5	90-94-8	0.01
80	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol§#	209-218-2	561-41-1	0.01
81	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H, 3H,5H)-trione (β -TGIC)#	423-400-0	59653-74-6	0.01
82	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane- 2,4,6-trione (TGIC)#	219-514-3	2451-62-9	0.01
83	1,2-bis(2-methoxyethoxy)ethane (TEGDME,triglyme)#	203-977-3	112-49-2	0.01
84	1,2-dimethoxyethane,ethylene glycol dimethyl ether (EGDME)#	203-794-9	110-71-4	0.01
85	Trilead dioxide phosphonate*	235-252-2	12141-20-7	0.01
86	Trilead bis(carbonate) dihydroxide*	215-290-6	1319-46-6	0.01
87	Tricosafuorododecanoic acid#	206-203-2	307-55-1	0.01
88	Tetralead trioxide sulphate*	235-380-9	12202-17-4	0.01
89	Tetraethyllead*	201-075-4	78-00-2	0.01
90	Sulfurous acid, lead salt, dibasic*	263-467-1	62229-08-7	0.01

No.	Substance name	EC No.	CAS No.	RL%
91	Silicic acid, lead salt*	234-363-3	11120-22-2	0.01
92	Silicic acid, barium salt, lead-doped*	272-271-5	68784-75-8	0.01
93	Pyrochlore, antimony lead yellow*	232-382-1	8012-00-8	0.01
94	Pentalead tetraoxide sulphate*	235-067-7	12065-90-6	0.01
95	Pentacosafuorotridecanoic acid#	276-745-2	72629-94-8	0.01
96	Orange lead (lead tetroxide)*	215-235-6	1314-41-6	0.01
97	o-toluidine#	202-429-0	95-53-4	0.01
98	o-aminoazotoluene#	202-591-2	97-56-3	0.01
99	N-pentyl-isopentylphthalate#	933-378-9	776297-69-9	0.01
100	N-methylacetamide#	201-182-6	79-16-3	0.01
101	N,N-dimethylformamide#	200-679-5	68-12-2	0.01
102	Methyloxirane (Propylene oxide)#	200-879-2	75-56-9	0.01
103	Methoxyacetic acid#	210-894-6	625-45-6	0.01
104	Lead titanium zirconium oxide*	235-727-4	12626-81-2	0.01
105	Lead titanium trioxide*	235-038-9	12060-00-3	0.01
106	Lead oxide sulfate*	234-853-7	12036-76-9	0.01
107	Lead monoxide (lead oxide) *	215-267-0	1317-36-8	0.01
108	Lead dinitrate*	233-245-9	10099-74-8	0.01
109	Lead cyanamidate*	244-073-9	20837-86-9	0.01
110	Lead bis(tetrafluoroborate)*	237-486-0	13814-96-5	0.01
111	Hexahydromethylphthalic anhydride,# Hexahydro-4-methylphthalic anhydride, Hexahydro-1-methylphthalic anhydride, Hexahydro-3-methylphthalic anhydride	247-094-1 243-072-0 256-356-4 260-566-1	25550-51-0 19438-60-9 48122-14-1 57110-29-9	0.01
112	Heptacosafuorotetradecanoic acid#	206-803-4	376-06-7	0.01
113	Henicosafuoroundecanoic acid#	218-165-4	2058-94-8	0.01
114	Furan#	203-727-3	110-00-9	0.01

No.	Substance name	EC No.	CAS No.	RL%
115	Fatty acids, C16-18, lead salts*	292-966-7	91031-62-8	0.01
116	Dioxobis(stearato)trilead*	235-702-8	12578-12-0	0.01
117	Dinoseb (6-sec-butyl-2,4-dinitrophenol)#	201-861-7	88-85-7	0.01
118	Dimethyl sulphate#	201-058-1	77-78-1	0.01
119	Diisopentyl phthalate#	210-088-4	605-50-5	0.01
120	Diethyl sulphate#	200-589-6	64-67-5	0.01
121	Dibutyltin dichloride (DBTC)#	211-670-0	683-18-1	0.01
122	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA)#	204-650-8	123-77-3	0.01
123	Cyclohexane-1,2-dicarboxylic anhydride, cis-cyclohexane-1,2-dicarboxylic anhydride, trans-cyclohexane-1,2-dicarboxylic anhydride#	238-009-9 201-604-9 236-086-3	14166-21-3 85-42-7 13149-00-3	0.01
124	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)#	214-604-9	1163-19-5	0.01
125	Biphenyl-4-ylamine#	202-177-1	92-67-1	0.01
126	Acetic acid, lead salt, basic*	257-175-3	51404-69-4	0.01
127	[Phthalato(2-)]dioxotrilead*	273-688-5	69011-06-9	0.01
128	6-methoxy-m-toluidine (p-cresidine)#	204-419-1	120-71-8	0.01
129	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)#	—	—	0.01
130	4-methyl-m-phenylenediamine (toluene-2,4-diamine)#	202-453-1	95-80-7	0.01
131	4-aminoazobenzene#	200-453-6	60-09-3	0.01
132	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated(covering well-defined substances and UVCB substances, polymers and homologues)#	—	—	0.01
133	4,4'-oxydianiline and its salts#	202-977-0	101-80-4	0.01
134	4,4'-methylenedi-o-toluidine#	212-658-8	838-88-0	0.01

No.	Substance name	EC No.	CAS No.	RL%
135	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine#	421-150-7	143860-04-2	0.01
136	1-bromopropane (n-propyl bromide)#	203-445-0	106-94-5	0.01
137	1,2-diethoxyethane#	211-076-1	629-14-1	0.01
138	1,2-Benzenedicarboxylic acid, dipentyl ester, branched and linear#	284-032-2	84777-06-0	0.01
139	Pentadecafluorooctanoic acid (PFOA)#	206-397-9	335-67-1	0.01
140	Dipentyl phthalate (DPP)#	205-017-9	131-18-0	0.01
141	Cadmium oxide*	215-146-2	1306-19-0	0.005
142	Cadmium	231-152-8	7440-43-9	0.005
143	Ammonium pentadecafluorooctanoate (APFO)#	223-320-4	3825-26-1	0.01
144	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
145	Trixylyl phosphate#	246-677-8	25155-23-1	0.05
146	Lead di(acetate) *	206-104-4	301-04-2	0.01
147	Imidazolidine-2-thione (2-imidazoline-2-thiol)#	202-506-9	96-45-7	0.01
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)#	217-710-3	1937-37-7	0.01
149	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)#	209-358-4	573-58-0	0.01
150	Dihexyl phthalate#	201-559-5	84-75-3	0.01
151	Cadmium sulphide*	215-147-8	1306-23-6	0.005
152	Sodium peroxometaborate*	231-556-4	7632-04-4	0.01
153	Sodium perborate, perboric acid, sodium salt*	239-172-9 234-390-0	15120-21-5 11138-47-9	0.01

No.	Substance name	EC No.	CAS No.	RL%
154	Cadmium chloride*	233-296-7	10108-64-2	0.01
155	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear#	271-093-5	68515-50-4	0.01
156	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-s tannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]th io]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetr adecanoate (reaction mass of DOTE and MOTE)#	—	—	0.05
157	Cadmium sulphate*	233-331-6	10124-36-4 31119-53-6	0.01
158	Cadmium fluoride*	232-222-0	7790-79-6	0.01
159	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-s tannatetradecanoate (DOTE)#	239-622-4	15571-58-1	0.05
160	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)#	223-346-6	3846-71-7	0.01
161	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylpheno I (UV-328)#	247-384-8	25973-55-1	0.01
162	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 stereoisomers of [1] and [2] or any combination thereof]#	—	—	0.01
163	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters, 1,2-benzenedicarboxylic acid,mixed decyl and hexyl and octyl diesters (with ≥ 0.3% of dihexyl phthalate)#	271-094-0 272-013-1	68515-51-5 68648-93-1	0.01
164	Perfluorononan-1-oi-c acid and its sodium and ammonium salts#	206-801-3	375-95-1 21049-39-8 4149-60-4	0.01
165	Nitrobenzene#	202-716-0	98-95-3	0.01
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-b utyl)phenol (UV-350)#	253-037-1	36437-37-3	0.01
167	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)p henol (UV-327)#	223-383-8	3864-99-1	0.01
168	1,3-propanesultone#	214-317-9	1120-71-4	0.01

No.	Substance name	EC No.	CAS No.	RL%
169	Benzo[def]chrysene (Benzo[a]pyrene)#	200-028-5	50-32-8	0.01
170	P-(1,1-dimethylpropyl)phenol#	201-280-9	80-46-6	0.012
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts#	221-470-5 206-400-3	3108-42-7 335-76-2 3830-45-3	0.01
172	4-heptylphenol, branched and linear#	—	—	0.012
173	4,4'-isopropylidenediphenol (bisphenol A)#	201-245-8	80-05-7	0.012
174	Perfluorohexane-1-sulfonic acid and its salts (PFHxS)#	—	—	0.01
175	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]#	—	—	0.04
176	Chrysene#	205-923-4	218-01-9	0.01
177	Cadmium nitrate*	233-710-6	10325-94-7 10022-68-1	0.01
178	Cadmium hydroxide*	244-168-5	21041-95-2	0.01
179	Cadmium carbonate *	208-168-9	513-78-0	0.01
180	Benz[a]anthracene#	200-280-6	56-55-3	0.01
181	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloro pentacyclo[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]#	236-948-9	13560-89-9	0.01
182	Terphenyl hydrogenated#	262-967-7	61788-32-7	0.01
183	Octamethylcyclotetrasiloxane (D4)#	209-136-7	556-67-2	0.01
184	Lead	231-100-4	7439-92-1	0.01
185	Ethylenediamine#	203-468-6	107-15-3	0.01
186	Dodecamethylcyclohexasiloxane(D6)#	208-762-8	540-97-6	0.01
187	Disodium octaborate*	234-541-0	12008-41-2	0.01
188	Dicyclohexyl phthalate (DCHP)#	201-545-9	84-61-7	0.01
189	Decamethylcyclopentasiloxane (D5)#	208-764-9	541-02-6	0.01

No.	Substance name	EC No.	CAS No.	RL%
190	Benzo[ghi]perylene#	205-883-8	191-24-2	0.01
191	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)#	209-008-0	552-30-7	0.012
192	Pyrene#	204-927-3	129-00-0	0.01
193	Phenanthrene#	201-581-5	85-01-8	0.01
194	Fluoranthene#	205-912-4	206-44-0	0.01
195	Benzo[k]fluoranthene#	205-916-6	207-08-9	0.01
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane#	401-720-1	6807-17-6	0.012
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one#	239-139-9	15087-24-8	0.01
198	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)#	—	—	0.012
199	4-tert-butylphenol#	202-679-0	98-54-4	0.012
200	2-methoxyethyl acetate#	203-772-9	110-49-6	0.01
201	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)prop ionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)#	—	—	0.01
202	Perfluorobutane sulfonic acid (PFBS) and its salts#	—	—	0.01
203	Diisohexyl phthalate#	276-090-2	71850-09-4	0.01
204	2-methyl-1-(4-methylthiophenyl)-2-morpholino propan-1-one#	400-600-6	71868-10-5	0.01
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone#	404-360-3	119313-12-1	0.01
206	1-vinylimidazole#	214-012-0	1072-63-5	0.01
207	2-methylimidazole#	211-765-7	693-98-1	0.01
208	Butyl 4-hydroxybenzoate(Butylparaben)#	202-318-7	94-26-8	0.01
209	Dibutylbis(pentane-2,4-dionato-O,O')tin#	245-152-0	22673-19-4	0.01
210	Bis(2-(2-methoxyethoxy)ethyl)ether#	205-594-7	143-24-8	0.01

No.	Substance name	EC No.	CAS No.	RL%
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#	—	—	0.01
212	1,4-dioxane#	204-661-8	123-91-1	0.01
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)#	221-967-7 253-057-0 202-480-9	3296-90-0 36483-57-5 1522-92-5 96-13-9	0.01
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers#	—	—	0.01
215	4,4'-(1-methylpropylidene)bisphenol#	201-025-1	77-40-7	0.01
216	Glutaral#	203-856-5	111-30-8	0.01
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]#	—	—	0.01
218	Orthoboric acid, sodium salt*	237-560-2	13840-56-7	0.01
219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDD#	—	—	0.01

*** See next page ***

Annex 2 - REACH obligation:

1. Concerning article(s):

Communication:

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 in the Candidate List.

Notification:

In accordance with Regulation (EC) No 1907/2006, any EU producer or importer of articles shall notify ECHA, in accordance with paragraph 4 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 in the Candidate List is present in those articles in quantities totaling over one tonne per producer or importer per year; and (b) the substance in the Candidate List is present in those articles above a concentration of 0.1% weight by weight (w/w).

2. Concerning material(s):

Test results in this report are based on the tested sample. This report refers to testing result of tested sample submitted as homogenous material(s). In case such material is being used to compose an article, the results indicated in this report may not represent SVHC concentration in such article. If this report refers to testing result of composite material group by equal weight proportion, the material in each composite test group may come from more than one article.

If the sample is a substance or mixture, and it directly exports to EU, client has the obligation to comply with the supply chain communication obligation under Article 31 of Regulation (EC) No. 1907/2006 and the conditions of Authorization of substance of very high concern included in the Annex XIV of the Regulation (EC) No. 1907/2006.

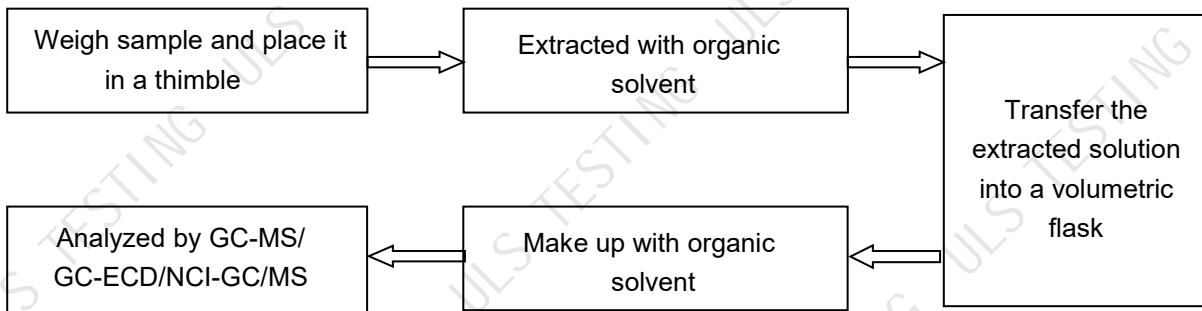
3. Concerning substance and preparation:

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:

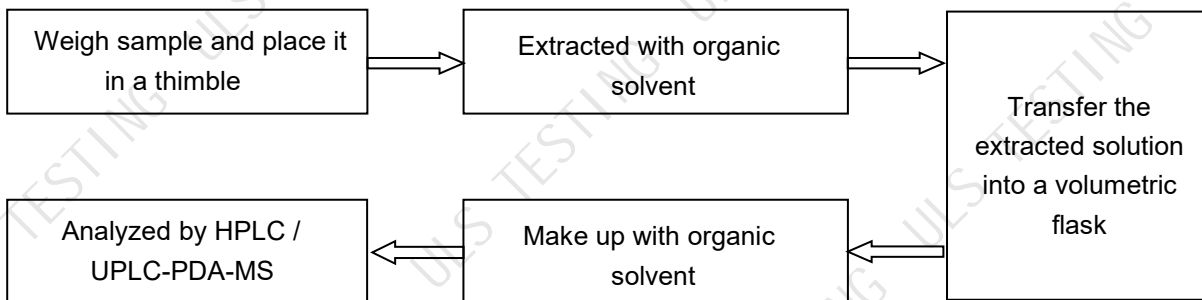
- a substance that is classified as hazardous under the CLP Regulation (EC) No 1272/2008.
- a mixture that is classified as hazardous under the CLP Regulation (EC) No 1272/2008, when it contains a substance with concentration equal to, or greater than the classification limit as set in Regulation (EC) No. 1272/2008; or
- 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 of $\geq 0.1\%$ by weight for non-gaseous mixtures; or
 - (d) a substance for which there are Europe-wide workplace exposure limits.

Test Process

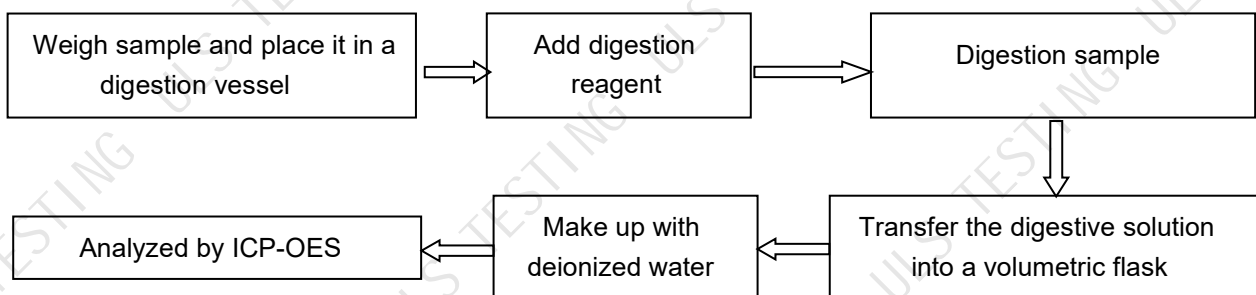
Test Process (1):



Test Process (2):



TEST Process (3):



*** See next page ***

Photo of sample:



End of report

Please note that every statement made in this report is only valid for the samples tested and reported herein. Samples were provided by applicant. Without consent of the testing organization, this report shall not be reproduced except in full and the clients shall not be unauthorized use of test results for improper propaganda. ULSTESTING declines any responsibility with deviations required by the customer that may affect the validity of result. The information is provided by the customer in this report may affect the validity of the results; the test lab is not responsible for it. The measurement result is considered in conformance with the requirement if it is within the prescribed limit, It is not necessary to calculate the uncertainty associated with the measurement result, unless the specification, standard or customer have special requirements. The data and results of this test report can only be used for scientific research, teaching, internal quality control.

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