TEST REPORT

Company Name Shown on Report:	Hubei Flextech Ltd.
Address:	Building E3,Optica Valley United Technology City,Xingang Notrth Road,HuangzhouDistrict,Huanggang City,Hubei Province,China

The following sample(s) was/were submitted and identified on behalf of the client as:

Sample Name:	Solar panel
Sample Model:	Please refer to next page(s)
Sample quantity:	1 Set
Sample Received Date:	May.16,2024
Test Period:	May.16,2024 - May.24,2024
Date of Issue:	Jun.05,2024

ISSUED BY:

GUANGDONG TI COBO TESTING CO.,LTD.

Tested by: Jary **Checked by:** Lily **Approved by:** Sam Xie

Anti-counterfeiting code: k8r6

Sample Model
A5552, FLC-P1-211050-1, FLC-P1-412100-1, FLC-P1-424200-1, FLC-P1-424250-1, FLC-P1-424300-1, FS-OF010, FS-OF011, FS-OF012, FS-OF013, FS-OF014, FS-OF015, FS-OF016, FS-OF018, FS-OF020, FS-OF021, FS-OF022, FS-OF024, FS-OF025, FS-OF026, FS-OF027, FS-OF028, FS-OF030, FS-OF032, FS-OF033, FS-OF034, FS-OF035, FS-OF036, FS-OF038, FS-OF039, FS-OF040, FS-OF042, FS-OF044, FS-OF045, , FS-OF046, FS-OF048, FS-OF049, FS-OF050, FS-OF051, FS-OF052, FS-OF054, FS-OF055, FS-OF056, FS-OF057, FS-OF060, FS-OF063, FS-OF064, FS-OF065, FS-OF066, FS-OF068, FS-OF069, FS-OF070, FS-OF072, FS-OF075, FS-OF076, FS-OF077, FS-OF078, FS-OF080, FS-OF084, FS-OF088, FS-OF090, FS-OF092, FS-OF096, FS-OF099, FS-OF100, FS-OF102, FS-OF104, FS-OF108, FS-OF110, FS-OF112, FS-OF120, FS-OF126 , FS-OF128, FS-OF130, FS-OF132

1. Test Requested:

According to the customer's requirements, with reference to Regulation (EC) No 1907/2006 (REACH) and its series of amendments, 240 Substances of Very High Concern (SVHC) in the submitted samples were screened.

2. Test Result(s):

According to the specified scope and analytical techniques, the concentration of each of the 240 SVHC is <0.1%(w/w) in the component(s) of submitted products.

3. Test Method:

Refer to US EPA3052:1996, US EPA 3050B:1996, US EPA 3060A:1996, US EPA 3550C:2007, US EPA 3540C:1996, ISO 17353:2004, EN 14582:2016 for sample pretreatment.

Analyzed by ICP-OES, UV-Vis, HPLC, GC-MS and LC-MS-MS.

Substance Name(s)	Sample No.	Result（%）
All tested of each SVHC (See the candidate list)	1	<0.005
	2	<0.005

Remark:

1) The table of tested result(s) only shows detected SVHC/intention for identification of SVHC, and SVHC/intention for identification of SVHC that below Report Limit are not reported. Please refer to the Candidate List of SVHC/ intention for identification of SVHC on next pages.
2) w/w % = weight by weight; 0.1% = 1000mg/kg
3) Composite testing(s) was/were specified by client

4. Candidate List of SVHC:

No.	Substance Name	CAS No.	Equipment(s)	RL(%)
1	Alkanes, C10-13, chloro (Short ChainChlorinated Paraffins)	85535-84-8	GC-MS	0.005
2	Anthracene	120-12-7	GC-MS	0.005
3	Benzyl butyl phthalate (BBP)	85-68-7	GC-MS	0.005
4	Bis[2-ethyl(hexyl)phthalate] (DEHP)	117-81-7	GC-MS	0.005
5	Bis(tributyltin)oxide (TBTO) *	56-35-9	GC-MS	0.005
6	Cobalt dichloride*	7646-79-9	ICP-OES	0.005
7	Diarsenic pentaoxide*	1303-28-2	ICP-OES	0.005
8	Diarsenic trioxide*	1327-53-3	ICP-OES	0.005
9	Dibutyl phthalate (DBP)	84-74-2	GC-MS	0.005
10	4, 4′- Diaminodiphenylmethane	101-77-9	GC-MS	0.005
11	5-tert-butyl-2,4,6-trinitro-m- xylene (Musk xylene)	81-15-2	GC-MS	0.005
12	Hexabromocyclododecane (HBCDD) and diastereoisomers (α-HBCDD, β-HBCDD, γ-HBCDD)	25637-99-4, 3194-55-6 (134237-50-6, 134237-51-7, 134237-52-8)	GC-MS	0.005
13	Lead hydrogen arsenate*	7784-40-9	ICP-OES	0.005
14	Sodium dichromate*	7789-12-0 10588-01-9	ICP-OES/ UV-Vis	0.005
15	Triethyl arsenate*	15606-95-8	ICP-OES	0.005
16	①Anthracene oil	90640-80-5	GC-MS	0.005
17	①Anthracene oil, anthracene paste, distn. lights****	91995-17-4	GC-MS	0.005
18	①Anthracene oil, anthracene paste, anthracene fraction****	91995-15-2	GC-MS	0.005
19	①Anthracene oil, anthracene-low	90640-82-7	GC-MS	0.005
20	①Anthracene oil, anthracene paste	90640-81-6	GC-MS	0.005
21	①Coal tar pitch, high temperature	65996-93-2	GC-MS	0.005
22	Acrylamide	79-06-1	GC-MS	0.005
23	2,4-Dinitrotoluene	121-14-2	GC-MS	0.005
24	Diisobutyl phthalate(DIBP)	84-69-5	GC-MS	0.005
25	②Lead chromate	7758-97-6	ICP-OES/ UV-Vis	0.005
26	②Lead chromate molybdate Sulphate red (C.I. Pigment Red 104) ***	12656-85-8	ICP-OES/ UV-Vis	0.005

No.	Substance Name	CAS No.	Equipment(s)	RL(%)
27	②Lead sulfochromate yellow (C.I. Pigment Yellow 34) ***	1344-37-2	ICP-OES/ UV-Vis	0.005
28	Tris(2-chloroethyl) phosphate	115-96-8	GC-MS	0.005
29	Trichloroethylene	79-01-6	GC-MS	0.005
30	Boric acid*	10043-35-3/ 11113-50-1	ICP-OES	0.005
31	②Disodium tetraborate, anhydrous*****	1330-43-4, 12179-04-3, 1303-96-4	ICP-OES	0.005
32	②Tetraboron disodium heptaoxide, hydrate*****	12267-73-1	ICP-OES	0.005
33	Sodium chromate*	7775-11-3	ICP-OES/ UV-Vis	0.005
34	Potassium chromate*	7789-00-6	ICP-OES/ UV-Vis	0.005
35	Ammonium dichromate*	7789-09-5	ICP-OES/ UV-Vis	0.005
36	Potassium dichromate*	7778-50-9	ICP-OES/ UV-Vis	0.005
37	Cobalt(Ⅱ) sulphate*	10124-43-3	ICP-OES	0.005
38	Cobalt(Ⅱ) dinitrate*	10141-05-6	ICP-OES	0.005
39	Cobalt(Ⅱ) carbonate*	513-79-1	ICP-OES	0.005
40	Cobalt(Ⅱ) diacetate*	71-48-7	ICP-OES	0.005
41	2-Methoxyethanol	109-86-4	GC-MS	0.005
42	2-Ethoxyethanol	110-80-5	GC-MS	0.005
43	Chromium trioxide*	1333-82-0	ICP-OES/ UV-Vis	0.005
44	①Acids generated from chromium trioxide and their oligomers: Chromium acid*	7738-94-5	ICP-OES/ UV-Vis	0.005
	①Dichromium acid	13530-68-2		
	①Oligomers of chromic acid and dichromic acid	--		
45	2-ethoxyethylacetate	111-15-9	GC-MS	0.005
46	①1,2-Benzenedicarboxylic acid, di-C7-11 branchedand linear alkyl esters (DHNUP)	68515-42-4	GC-MS	0.005
47	Hydrazine	7803-57-8	UV-Vis	0.005
48	1-methyl-2-pyrrolidone	872-50-4	GC-MS	0.005
49	1,2,3-trichloropropane	96-18-4	GC-MS	0.005
50	①1, 2-benzenedicarboxylic acid,di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	GC-MS	0.005

No.	Substance Name	CAS No.	Equipment(s)	RL(%)
51	Strontium chromate*	7789-06-2	ICP-OES/ UV-Vis	0.005
52	Dichromium tris(chromate) *	24613-89-6	ICP-OES / UV-Vis	0.005
53	Potassium hydroxyoctaoxodizincatedi- chromate*	11103-86-9	ICP-OES	0.005
54	Pentazinc chromate octahydroxide*	49663-84-5	ICP-OES/ UV-Vis	0.005
55	②Aluminiosilicate, Refractory Ceramic Fibres (RCF) **	--	ICP-OES	0.005
56	②Zirconia Aluminosilicate, Refractory Ceramic Fibres (Zr-RCF) **	--	ICP-OES	0.005
57	①Formaldehyde, oligomeric reaction products with aniline (technical MDA) ▲	25214-70-4	GC-MS	0.005
58	Bis(2-methoxyethyl) phthalate	117-82-8	GC-MS	0.005
59	2-Methoxyaniline; o-Anisidine	90-04-0	GC-MS	0.005
60	4-(1,1,3,3-tetramethylbutyl)phenol, (4-tert-Octylphenol)	140-66-9	GC-MS	0.005
61	1,2-Dichloroethane	107-06-2	GC-MS	0.005
62	Bis(2-methoxyethyl) ether	111-96-6	GC-MS	0.005
63	Arsenic acid*	7778-39-4	ICP-OES	0.005
64	Calcium arsenate*	7778-44-1	ICP-OES	0.005
65	Trilead diarsenate*	3687-31-8	ICP-OES	0.005
66	N,N-dimethylacetamide (DMAC)	127-19-5	GC-MS	0.005
67	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	GC-MS	0.005
68	Phenolphthalein	77-09-8	GC-MS	0.005
69	Lead azide Lead diazide*	13424-46-9	ICP-OES	0.005
70	Lead styphnate*	15245-44-0	ICP-OES	0.005
71	Lead dipicrate*	6477-64-1	ICP-OES	0.005
72	Methoxyethoxy ethane (TEGDME; triglyme)	112-49-2	GC-MS	0.005
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether(EGDME)	110-71-4	GC-MS	0.005
74	Diboron trioxide*	1303-86-2	ICP-OES	0.005
75	Formamide	75-12-7	GC-MS	0.005
76	Lead(II) bis(methanesulfonate) *	17570-76-2	ICP-OES	0.005
77	1,3,5-tris (oxiranylmethyl) -1,3,5 -triazine-2,4,6 (1H,3H,5H)-trione (TGIC)	2451-62-9	GC-MS	0.005
78	1,3,5-tris [(2Sand2R)-2,3 -epoxypropyl] -1,3,5-triazine-2,4,6- (1H,3H,5H)-trione (β-TGIC)	59653-74-6	GC-MS	0.005

No.	Substance Name	CAS No.	Equipment(s)	RL(%)
79	4,4'-bis (dimethylamino) benzophenone (Michler's ketone)	90-94-8	GC-MS	0.005
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	GC-MS	0.005
81	[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	LC-MS	0.005
82	[4-[4,4'-bis(dimethylamino) benzhydrylidene] cyclohexa -2,5- dien-1-ylidene] dimethylammonium chloride(C.I. Basic Violet 3) ***	548-62-9	LC-MS	0.005
83	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	GC-MS	0.005
84	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1 -methanol (C.I. Solvent Blue 4) ***	6786-83-0	LC-MS	0.005
85	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	GC-MS	0.005
86	Pentacosafluorotridecanoic acid	72629-94-8	LC-MS	0.005
87	Tricosafluorododecanoic acid	307-55-1	LC-MS	0.005
88	Henicosafluoroundecanoic acid	2058-94-8	LC-MS	0.005
89	Heptacosafluorotetradecanoic acid	376-06-7	LC-MS	0.005
90	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	GC-MS	0.005
91	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3], [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	85-42-7, 13149-00-3, 14166-21-3	GC-MS	0.005
92	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2],Hexahydro-1-methylphthalic anhydride [3],Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9	GC-MS	0.005
93	①4-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]	--	LC-MS	0.005

No.	Substance Name	CAS No.	Equipment(s)	RL(%)
94	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well- defined substances and UVCB substances, polymers and homologues]	--	LC-MS	0.005
95	Methoxyacetic acid	625-45-6	GC-MS	0.005
96	N,N-dimethylformamide	68-12-2	GC-MS	0.005
97	Dibutyltin dichloride (DBTC) *	683-18-1	GC-MS	0.005
98	Lead monoxide (Lead oxide) *	1317-36-8	ICP-OES	0.005
99	Orange lead (Lead tetroxide) *	1314-41-6	ICP-OES	0.005
100	Lead bis(tetrafluoroborate) *	13814-96-5	ICP-OES	0.005
101	Trilead bis(carbonate) dihydroxide*	1319-46-6	ICP-OES	0.005
102	Lead titanium trioxide*	12060-00-3	ICP-OES	0.005
103	Lead titanium zirconium oxide*	12626-81-2	ICP-OES	0.005
104	Silicic acid, lead salt*	11120-22-2	ICP-OES	0.005
105	Silicic acid (H2Si2O5), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD); the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008] *	68784-75-8	ICP-OES	0.005
106	1-bromopropane (n-propyl bromide)	106-94-5	GC	0.005
107	Methyloxirane (Propylene oxide)	75-56-9	GC	0.005
108	①1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	GC-MS	0.005
109	Diisopentylphthalate (DIPP)	605-50-5	GC-MS	0.005
110	N-pentyl-isopentylphthalate	776297-69-9	GC-MS	0.005
111	1,2-diethoxyethane	629-14-1	GC-MS	0.005
112	Acetic acid, lead salt, basic*	51404-69-4	ICP-OES	0.005
113	Lead oxide sulfate*	12036-76-9	ICP-OES	0.005
114	[Phthalato(2-)]dioxotrilead*	69011-06-9	ICP-OES	0.005
115	Dioxobis(stearato)trilead*	12578-12-0	ICP-OES	0.005
116	Fatty acids, C16-18, lead salts*	91031-62-8	ICP-OES	0.005
117	Lead cynamidate*	20837-86-9	ICP-OES	0.005
118	Lead dinitrate*	10099-74-8	ICP-OES	0.005
119	Pentalead tetraoxide sulphate*	12065-90-6	ICP-OES	0.005

No.	Substance Name	CAS No.	Equipment(s)	RL(%)
120	Pyrochlore, antimony lead yellow*	8012-00-8	ICP-OES	0.005
121	Sulfurous acid, lead salt, dibasic*	62229-08-7	ICP-OES	0.005
122	Tetraethyl lead*	78-00-2	ICP-OES	0.005
123	Tetralead trioxide sulphate*	12202-17-4	ICP-OES	0.005
124	Trilead dioxide phosphonate*	12141-20-7	ICP-OES	0.005
125	Furan	110-00-9	GC	0.005
126	Diethyl sulphate	64-67-5	GC	0.005
127	Dimethyl sulphate	77-78-1	GC	0.005
128	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	GC-MS	0.005
129	Dinoseb (6-sec-butyl-2,4 -dinitrophenol)	88-85-7	GC-MS	0.005
130	4,4'-methylenedi-o-toluidine	838-88-0	GC-MS	0.005
131	4,4'-oxydianiline and its salts	101-80-4	GC-MS	0.005
132	4-aminoazobenzene	60-09-3	GC-MS	0.005
133	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	GC-MS	0.005
134	6-methoxy-m-toluidine (p-cresidine)	120-71-8	GC-MS	0.005
135	Biphenyl-4-ylamine	92-67-1	GC-MS	0.005
136	o-aminoazotoluene [(4-o-tolylazo-o-toluidine])	97-56-3	GC-MS	0.005
137	o-toluidine	95-53-4	GC-MS	0.005
138	N-methylacetamide	79-16-3	GC-MS	0.005
139	Cadmium	7440-43-9	ICP-OES	0.005
140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	LC-MS	0.005
141	Pentadecafluorooctanoic acid (PFOA)	335-67-1	LC-MS	0.005
142	Dipentyl phthalate (DPP)	131-18-0	GC-MS	0.005
143	①4-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]	--	GC-MS	0.005
144	Cadmium oxide*	1306-19-0	ICP-OES	0.005
145	Cadmium sulphide *	1306-23-6	ICP-OES	0.005

No.	Substance Name	CAS No.	Equipment(s)	RL(%)
146	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	LC-MS	0.005
147	Dihexyl phthalate	84-75-3	GC-MS	0.005
148	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	GC-MS	0.005
149	①Trixylyl phosphate	25155-23-1	GC-MS	0.005
150	Disodium 3,3'-[[1,1'-biphenyl] -4,4'-diylbis(azo)] bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red28) ***	573-58-0	LC-MS	0.005
151	Lead di(acetate) *	301-04-2	ICP-OES	0.005
152	①1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	GC-MS	0.005
153	Cadmium chloride *	10108-64-2	ICP-OES	0.005
154	②Sodium perborate ;perboric acid, sodium salt *****	15120-21-5, 11138-47-9	ICP-OES	0.005
155	②Sodium peroxometaborate *****	7632-04-4	ICP-OES	0.005
156	Cadmium fluoride*	7790-79-6	ICP-OES	0.005
157	Cadmium sulphate*	10124-36-4; 31119-53-6	ICP-OES	0.005
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	GC-MS	0.005
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	GC-MS	0.005
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) *	15571-58-1	GC-MS	0.005
161	①Reaction 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)	--	GC-MS	0.005
162	①1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3 % of dihexyl phthalate	68515-51-5, 68648-93-1	GC-MS	0.005

No.	Substance Name	CAS No.	Equipment(s)	RL(%)
163	① 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]	117933-89-8	GC-MS	0.005
164	1,3-propanesultone	1120-71-4	GC-MS	0.005
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol(UV-327)	3864-99-1	GC-MS	0.005
166	32-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	GC-MS	0.005
167	Nitrobenzene	98-95-3	GC-MS	0.005
168	Perfluorononan-1-oic acid(2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-heptadecafluorononanoic acid and its sodium and ammonium salts	375-95-1, 21049-39-8, 4149-60-4	LC-MS/MS	0.005
169	Benzo[def]chrysene	50-32-8	GC-MS	0.005
170	4,4'-siopropylidenediphenol(bisphenol A)	80-05-7	LC-MS	0.005
171	Nonadecafluorodecanoic acid(PFDA) and its sodium and ammonium salts	335-76-2	GC-MS	0.005
172	①4-heptylphenol,branched and linear(4-HPbl)	--	GC-MS	0.005
173	4-tert-pentylphenol(PTAP)	80-46-6	GC-MS	0.005
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	355-46-4	LC-MS	0.005
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"™)covering any of its individual anti- and syn-isomers or any combination thereof	--	LC-MS	0.005
176	Benz[a]anthracene*	56-55-3, 1718-53-2	LC-MS	0.005
177	Cadmium carbonate*	513-78-0	LC-MS	0.005
178	Cadmium hydroxide*	21041-95-2	LC-MS	0.005
179	Cadmium nitrate*	10022-68-1, 10325-94-7	LC-MS	0.005
180	Chrysene	218-01-9, 1719-03-5	LC-MS	0.005
181	①Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP)with ≥0.1% w/w 4-heptylphenol, branched and linear (4-HPbl)	--	LC-MS	0.005

No.	Substance Name	CAS No.	Equipment(s)	RL(%)
182	Octamethyl cyclotetrasiloxane(D4)	556-67-2	LC-MS	0.005
183	Decamethylcyclopentasiloxane(D5)	541-02-6	LC-MS	0.005
184	Dodecamethylcyclohexasiloxane(D6)	540-97-6	LC-MS	0.005
185	Lead	7439-92-1	ICP-OES	0.005
186	Disodium octaborate *tetrahydrate	12008-41-2	LC-MS	0.005
187	Benzopyrene(G,H,I)	191-24-2	LC-MS	0.005
188	①Hydrogenated terphenyls	61788-32-7	LC-MS	0.005
189	Ethylenediamine(EDA)	107-15-3	LC-MS	0.005
190	Trimellitic anhydride(TMA)	552-30-7	LC-MS	0.005
191	Cyclohexyl phthalate(DCHP)	84-61-7	LC-MS	0.005
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	GC-MS	0.005
193	Benzo(k)fluoranthene	207-08-9	GC-MS	0.005
194	Fluoranthene	206-44-0	GC-MS	0.005
195	Phenanthrene	85-01-8	GC-MS	0.005
196	Pyrene	129-00-0	GC-MS	0.005
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo(2.2.1)heptan-2-one	15087-24-8	GC-MS	0.005
198	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides	--	GC-MS	0.005
199	2-methoxyethyl acetate	110-49-6	GC-MS	0.005
200	4-tert-butylphenol	98-54-4	GC-MS	0.005
201	①Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	--	GC-MS	0.005
202	Perfluorobutane sulfonic acid(PFBS) and its salts	--	GC-MS	0.005
203	Diisohexyl phthalate	276-090-2/ 71850-09-4	GC-MS	0.005
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-67, 1868-10-5	GC-MS	0.005
205	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3/ 119313-12-1	GC-MS	0.005
206	1-vinylimidazole	1072-63-5	GC-MS	0.005
207	2-methylimidazole	693-98-1	GC-MS	0.005
208	Butyl 4-hydroxybenzoate	94-26-8	GC-MS	0.005
209	Dibutyldis(pentane-2,4-dionato-O,O')tin*	22673-19-4	GC-MS	0.005
210	Bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	GC-MS	0.005

No.	Substance Name	CAS No.	Equipment(s)	RL(%)
211	Dioctyltin dilaurate;stannane,dioctyl-,bis(coco acyloxy)derivs;and any other stannane, dioctyl-, bis(fatty acyloxy)derivs,wherein C12 is the predominant carbon number of the fatty acyloxy moiety*	--	GC-MS	0.005
212	1,4-dioxane	123-91-1	GC-MS	0.005
213	2,2-bis(bromomethyl)propane1,3-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, 1522-92-5, 96-13-9	LC-MS	0.005
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	LC-MS	0.005
215	4,4'-(1-methylpropylidene) bisphenol; (bisphenol B) (BPB)	77-40-7	LC-MS	0.005
216	Glutaral	111-30-8	LC-MS	0.005
217	①Medium-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]	-	GC-MS	0.005
218	Orthoboric acid, sodium salt *	13840-56-7	ICP-OES	0.005
219	①Phenol, 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)	-	GC-MS	0.005
220	2,2'-Methylenebis(6-tert-butyl-4-methylphenol)	119-47-1 (204-327-1)	GC-MS	0.005
221	Vinyl tris(2-methoxyethoxy) silane	1067-53-4 (213-934-0)	GC	0.005
222	(±) - 1,7,7-trimethyl-3 - [(4-methylphenyl) methylene] bicyclo [2.2.1] heptyl-2-one, including individual isomers and / or combinations thereof (4-MBC)	-	GC-MS	0.005
223	S-(tricycle[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)	GC-MS	0.005
224	N-(Hydroxymethyl)acrylamide	924-42-5	GC-MS	0.005
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	GC-MS	0.005
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	GC-MS	0.005
227	4,4'-sulphonyldiphenol	80-09-1	LC-MS	0.005
228	Barium diboron tetraoxide	13701-59-2	ICP-OES	0.005

No.	Substance Name	CAS No.	Equipment(s)	RL(%)
229	Bis(2-ethylhexyl)tetrabromophthalate covering any of the individual isomers and/or combinations thereof	--	GC-MS	0.005
230	Isobutyl 4-hydroxybenzoate	4247-02-3	GC-MS	0.005
231	Melamine	108-78-1	HPLC	0.005
232	Perfluoroheptanoic acid and its salts	--	GC-MS	0.005
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-(heptafluoropropy) morpholine	--	GC-MS	0.005
234	Bis(4-chlorophenyl) sulphone	80-07-9	HPLC/LC-MS	0.005
235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide	75980-60-8	LC-MS/ GC-MS	0.005
236	2,4,6-tri-tert-butylphenol (2,4,6-TTBP)	732-26-3 /211-989-5	GC-MS/ LC-MS-MS	0.005
237	2-(2H-benzotriazo1-2-y)-4-(1,1,3,3-tetramethylbutyl)phenol	3147-75-9 /221-573-5	GC-MS/ LC-MS-MS	0.005
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4yl)phenyl]butan-1-one	119344-86-4 /438-340-0	GC-MS/ LC-MS-MS	0.005
239	Bumetrizole (UV-326)	3896-11-5 /223-445-4	GC-MS/ LC-MS-MS	0.005
240	Oligomerisation and alkylation reactionproducts of 2-phenylpropene and phenol(OAPP)	--	GC-MS/ LC-MS-MS	0.005

Note:

1) *: Concentration value of the substance by the conversion from the test results of certain elements. Concentration value of Bis(tributyltin)oxide(TBTO), Dibutyltin dichloride (DBTC), 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE), 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), Dibutylbis(pentane-2,4-dionato-O,O')tin, [Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. Wherein C12 is the predominant carbon number of the fatty acyloxy moiety] by the conversion from the test results of certain compounds (Tributyl Tins(TBT), Dibutyl Tins(DBT), Dioctyl Tins(DOT), Monooctyl Tins(MOT)).

2) **: All refractory ceramic fibres are covered by index number 650-017-00-8 in Annex VI of the Regulation on Classification, Labeling and Packaging of chemical substances and mixtures, the so called CLP Regulation (Regulation (EC) No 1272/2008).

3) ***: C.I.: Color Index

4) ****: Light fractions from distillation

5) *****： Concentration value of Disodium tetraborate, anhydrous and Tetraborate disodium heptaoxide, hydrate is evaluated by Disodium tetraborate, with no consider of the hydrate. Concentration value of Sodium perborate; perboric acid, sodium salt; Sodium peroxometaborate is evaluated by Sodium perborate, with no consider of the hydrate.

6) ▲: Concentration value of Formaldehyde, oligomeric reation products with aniline by the conversion from the test results of certain compounds(2,4-Diaminodiphenylmethane, 4,4'- Diaminodiphenylmethane, 2,2- Diaminodiphenylmethane).

7) ① : In view of the substances are established as UVCB substances (substances of unknown or variable composition, complex reaction products or biological materials) consisting of different and variable constituents, the test results are calculated based on the main constituents of the representative compounds for substances. When the content of the representative substances is equal to or higher than 0.1% (w/w), the presence of the substance in the sample need to be further confirmed by checking MSDS or requesting from suppliers.

8) ② : In view of the substance contain variable substances, the test results are calculated based on main constituents of the representative compounds for the substances, and the test results of the representative compounds are calculated based on the result of specified heavy metal elements.

9) As specified by client, the test was conducted by mixing several samples together. The result(s) shown on this report may be different from the content of any homogeneous material.

Remark:

The testing data and result(s) in this report is(are) just for scientific research, education, internal quality control and product development etc.

Appendix：

1) Any supplier of an article containing a substance that is included in the Candidate List in a concentration above 0.1 % weight by weight (w/w) has the duty to communicate information in accordance with Article 33 of European Union regulation concerning the Registration, Evaluation, Authorization and Restriction of Chemicals (REACH).

a) Any supplier shall provide the recipient of the article with sufficient information to allow safe use of the article including, as a minimum, the name of that substance.

b) On request by a consumer any supplier shall provide the consumer with sufficient information to allow safe use of the article including, as a minimum, the name of that substance within 45 days of receipt of the request, free of charge.

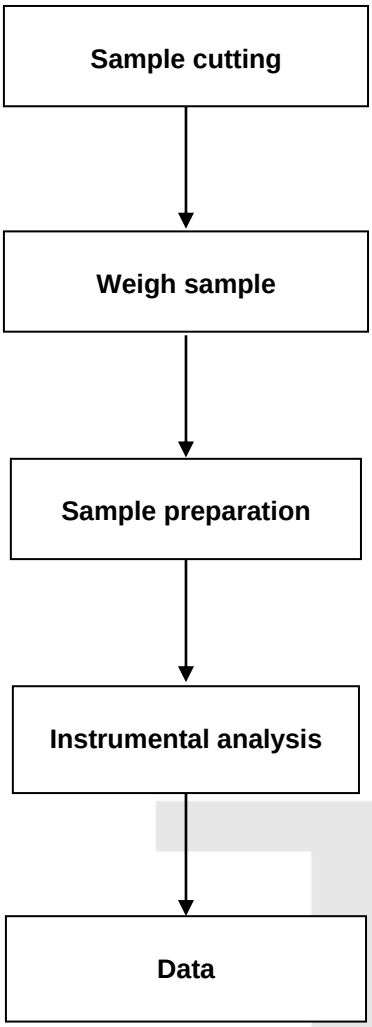
2) The supplier of a substance that is included in the Candidate List on their own shall provide the recipient of the substance with a safety data sheet for free compiled in accordance with Article 3 and Annex II of REACH.

3) The supplier of a mixture that containing a substance that is included in the Candidate List shall exchange information in accordance with Article 31, Article 32, and Annex II of REACH.

a) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation meets the criteria for classification as dangerous in accordance with Directives 1999/45/EC.

b) Any supplier shall provide the recipient of the mixture with a safety data sheet for free where a preparation does not meet the criteria for classification as dangerous in accordance with Directive 1999/45/EC, but contains any substance that is included in the Candidate List in an individual concentration of ≥ 0.1% by weight for non-gaseous mixtures or ≥ 0.2% by volume for gaseous mixtures.

Test Process:



5. Sample description

Material No.	Description
1	Metal material
2	Non-metal material

Photo of the Sample

Statement

1. The laboratory guarantees the scientificity, accuracy and impartiality of the test, and is responsible for all the information in the report, except the information provided by the customer. The customer is responsible for the impact of the information provided on the validity of the results.
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End of Report