



# Test Report

Report No.: HLF22003648EA

Date: Mar 26, 2022

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**Applicant** : Shenzhen Aerospace Electronic Co., Ltd.

**Address** : 2/ F, 4/ F&5/ F, No.42 Langkou Industrial Zone, Langkou Community, Dalang Sub-district, Longhua District, Shenzhen City, Guangdong Province, China.

**The following sample(s) and sample information was/were submitted and identified by/on behalf of the client**

Sample Name : Rechargeable Li-ion polymer Battery

Sample Model : GH6581

Sample Lot : /

Sample Received Date : Mar 22, 2022


Test Completed Date : Mar 26, 2022


Test Requested : As specified by client, to screen on Jan 17, 2022 the 223 Substances of Very High Concern (SVHC) under the regulation (EC) No 1907/2006 of REACH for the submitted samples .

Test Method : In-House method – Analyzed by ICP-OES, UV-VIS, LC-MS, GC-MS and colorimetric method.

Test Results : Refer to the next page(s).

Test Conclusion :	According to the specified scope and evaluation screening, the test results of SVHC in the submitted sample.	See the results
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Reviewed by:   
\_\_\_\_\_  
Lab Senior Engineer

Authorized Signature:   
\_\_\_\_\_  
Technology Manager

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Fax : 86-0755-2746 0090

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**REACH SVHCs Test Results:**

No.	Test Item	CAS No.	EC No.	RL(%)	Result (%)
1	4,4'-Diaminodiphenylmethane	101-77-9	202-974-4	0.05	N.D.
2	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	81-15-2	201-329-4	0.05	N.D.
3	Alkanes,C10-13,chloro(Short Chain Chlorinated Paraffins)	85535-84-8	287-476-5	0.05	N.D.
4	Anthracene	120-12-7	304-371-1	0.05	N.D.
5	Benzyl butyl phthalate (BBP)	85-68-7	201-622-7	0.05	N.D.
6	Bis (2-ethyl(hexyl)phthalate) (DEHP)	117-81-7	204-211-0	0.05	N.D.
7	Bis(tributyltin)oxide (TBTO)*	56-35-9	200-268-0	0.05	N.D.
8	Cobalt dichloride*	7646-79-9	231-589-4	0.05	N.D.
9	Diarsenic pentaoxide*	1303-28-2	215-116-9	0.05	N.D.
10	Diarsenic trioxide*	1327-53-3	215-481-4	0.05	N.D.
11	Dibutyl phthalate (DBP)	84-74-2	201-557-4	0.05	N.D.
12	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: α-HBCDD β-HBCDD γ-HBCDD	25637-99-4 3194-55-6 (134237-51-7 134237-50-6 134237-52-8)	247-148-4 221-695-9	0.05	N.D.
13	Lead hydrogen arsenate*	7784-40-9	232-064-2	0.05	N.D.
14	Sodium dichromate*	10588-01-9 7789-12-0	234-190-3	0.05	N.D.
15	Triethyl arsenate*	15606-95-8	427-700-2	0.05	N.D.
16	2,4-Dinitrotoluene	121-14-2	204-450-0	0.05	N.D.
17	Acrylamide	79-06-1	201-173-7	0.05	N.D.

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No.	Test Item	CAS No.	EC No.	RL(%)	Result (%)
18	Anthracene oil *	90640-80-5	292-602-7	0.05	N.D.
19	Anthracene oil, anthracene paste*	90640-81-6	292-603-2	0.05	N.D.
20	Anthracene oil, anthracene paste, anthracene fraction *	91995-15-2	295-275-9	0.05	N.D.
21	Anthracene oil, anthracene paste, distn. lights *	91995-17-4	295-278-5	0.05	N.D.
22	Anthracene oil, anthracene-low *	90640-82-7	292-604-8	0.05	N.D.
23	Diisobutyl phthalate(DIBP)	84-69-5	201-553-2	0.05	N.D.
24	Lead chromate*	7758-97-6	231-846-0	0.05	N.D.
25	Lead chromate molybdate sulphate red (C.I.Pigment Red 104)*	12656-85-8	235-759-9	0.05	N.D.
26	Lead sulfochromate yellow (C.I.Pigment Yellow 34)*	1344-37-2	215-693-7	0.05	N.D.
27	Pitch, coal tar, high-temp. *	65996-93-2	266-028-2	0.05	N.D.
28	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	204-118-5	0.05	N.D.
29	Ammonium dichromate*	7789-09-5	232-143-1	0.05	N.D.
30	Boric acid*	10043-35-3 11113-50-1	233-139-2 234-343-4	0.05	N.D.
31	Disodium tetraborate, anhydrous*	1303-96-4 1330-43-4 12179-04-3	215-540-4	0.05	N.D.
32	Potassium chromate*	7789-00-6	232-140-5	0.05	N.D.
33	Potassium dichromate*	7778-50-9	231-906-6	0.05	N.D.
34	Sodium chromate*	7775-11-3	231-889-5	0.05	N.D.
35	Tetraboron disodium heptaoxide, hydrate*	12267-73-1	235-541-3	0.05	N.D.
36	Trichloroethylene	79-01-6	201-167-4	0.05	N.D.

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37	2-Ethoxyethanol	110-80-5	203-804-1	0.05	N.D.
38	2-Methoxyethanol	109-86-4	203-713-7	0.05	N.D.
39	Acids generated from chromium trioxide and their oligomers:Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. *	7738-94-5 13530-68-2	231-801-5 236-881-5	0.05	N.D.
40	Chromium trioxide*	1333-82-0	215-607-8	0.05	N.D.
41	Cobalt(II) carbonate*	513-79-1	208-169-4	0.05	N.D.
42	Cobalt(II) diacetate*	71-48-7	200-755-8	0.05	N.D.
43	Cobalt(II) dinitrate*	10141-05-6	233-402-1	0.05	N.D.
44	Cobalt(II) sulphate*	10124-43-3	233-334-2	0.05	N.D.
45	1,2,3-trichloropropane	96-18-4	202-486-1	0.05	N.D.
46	1,2-Benzenedicarboxylic acid, di-(C6-8)-branched alkyl esters, C7-rich	71888-89-6	276-158-1	0.05	N.D.
47	1,2-Benzenedicarboxylic acid, di-(C7-11)-branched and linear alkyl eaters (DHNUF)	68515-42-4	271-084-6	0.05	N.D.
48	1-Methyl-2-pyrrolidone	872-50-4	212-828-1	0.05	N.D.
49	2-Ethoxyethyl acetate	111-15-9	203-839-2	0.05	N.D.
50	Hydrazine	7803-57-8 302-01-2	206-114-9	0.05	N.D.
51	Strontium chromate*	7789-06-2	232-142-6	0.05	N.D.
52	1,2-Dichloroethane	107-06-2	203-458-1	0.05	N.D.
53	(2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	202-918-9	0.05	N.D.

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54	2-Methoxyaniline; o-Anisidine	90-04-0	201-963-1	0.05	N.D.
55	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	205-426-2	0.05	N.D.
56	Aluminosilicate Refractory Ceramic Fibres *	650-017-00-8 (Index No.)	--	0.05	N.D.
57	Arsenic acid*	7778-39-4	231-901-9	0.05	N.D.
58	Bis(2-methoxyethyl)ether	111-96-6	203-924-4	0.05	N.D.
59	Bis(2-methoxyethyl) phthalate	117-82-8	204-212-6	0.05	N.D.
60	Calcium arsenate*	7778-44-1	231-904-5	0.05	N.D.
61	Dichromium tris(chromate)*	24613-89-6	246-356-2	0.05	N.D.
62	Formaldehyde, oligomeric reaction products with aniline	25214-70-4	500-036-1	0.05	N.D.
63	Lead diazide, Lead azide*	13424-46-9	236-542-1	0.05	N.D.
64	Lead dipicrate*	6477-64-1	229-335-2	0.05	N.D.
65	Lead styphnate*	15245-44-0	239-290-0	0.05	N.D.
66	N,N-dimethylacetamide (DMAC)	127-19-5	204-826-4	0.05	N.D.
67	Pentazinc chromate octahydroxide*	49663-84-5	256-418-0	0.05	N.D.
68	Phenolphthalein	77-09-8	201-004-7	0.05	N.D.
69	Potassium hydroxyoctaoxodizincatedi-chromate*	11103-86-9	234-329-8	0.05	N.D.
70	Trilead diarsenate*	3687-31-8	222-979-5	0.05	N.D.
71	Zirconia Aluminosilicate Refractory Ceramic Fibres *	650-017-00-8 (Index No.)	--	0.05	N.D.

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72	[4-[[4-anilino-1-naphthyl][4-dimethylamino)phenyl]methylene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium chloride (C.I.Basic Blue26)	2580-56-5	219-943-6	0.05	N.D.
73	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	0.05	N.D.
74	1,2-bis(2-methoxyethoxy)ethane(TEGDMEP; triglyme)	112-49-2	203-977-3	0.05	N.D.
75	1,2-dimethoxyethane; ethylene glycol dimethyl ether(EGDME)	110-71-4	203-794-9	0.05	N.D.
76	4,4'-bis(dimethylamino)benzophenone (Michler's ketone)	90-94-8	202-027-5	0.05	N.D.
77	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol	561-41-1	209-218-2	0.05	N.D.
78	Diboron trioxide*	1303-86-2	215-125-8	0.05	N.D.
79	Formamide	75-12-7	200-842-0	0.05	N.D.
80	Lead(II) bis(methanesulfonate)*	17570-76-2	401-750-5	0.05	N.D.
81	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	101-61-1	202-959-2	0.05	N.D.
82	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	219-514-3	0.05	N.D.
83	$\alpha,\alpha$ -Bis[4-(dimethylamino)phenyl]-4-(phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4)	6786-83-0	229-851-8	0.05	N.D.
84	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazinane-2,4,6-(1H,3H,5H)-trione ( $\beta$ -TGIC)	59653-74-6	423-400-0	0.05	N.D.
85	[Phthalato(2-)]dioxotrilead *	69011-06-9	273-688-5	0.05	N.D.
86	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	284-032-2	0.05	N.D.
87	1,2-Diethoxyethane	629-14-1	211-076-1	0.05	N.D.

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No.	Test Item	CAS No.	EC No.	RL(%)	Result (%)
88	1-bromopropane (n-propyl bromide)	106-94-5	203-445-0	0.05	N.D.
89	3-ethyl-2-methyl-2-(3-methylbutyl)- 1,3-oxazolidine	143860-04-2	421-150-7	0.05	N.D.
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated	--	--	0.05	N.D.
91	4,4'-methylenedi-o-toluidine	838-88-0	212-658-8	0.05	N.D.
92	4,4'-oxydianiline and its salts	101-80-4	202-977-0	0.05	N.D.
93	4-Aminoazobenzene	60-09-3	200-453-6	0.05	N.D.
94	4-methyl-m-phenylenediamine (toluene-diamine)	95-80-7	202-453-1	0.05	N.D.
95	4-Nonylphenol, branched and linear	--	--	0.05	N.D.
96	6-methoxy-m-toluidine (p-cresidine)	120-71-8	204-419-1	0.05	N.D.
97	Acetic acid, lead salt, basic*	51404-69-4	257-175-3	0.05	N.D.
98	Biphenyl-4-ylamine	92-67-1	202-177-1	0.05	N.D.
99	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE)	1163-19-5	214-604-9	0.05	N.D.
100	Cyclohexane-1,2-dicarboxylic anhydride cis-cyclohexane-1,2-dicarboxylic anhydride trans-cyclohexane-1,2-dicarboxyli c anhydride	85-42-7 13149-00-3 14166-21-3	201-604-9 236-086-3 238-009-9	0.05	N.D.
101	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	123-77-3	204-650-8	0.05	N.D.
102	Dibutyltin dichloride (DBTC)	683-18-1	211-670-0	0.05	N.D.
103	Diethyl sulphate	64-67-5	200-589-6	0.05	N.D.
104	Diisopentylphthalate	605-50-5	210-088-4	0.05	N.D.
105	Dimethyl sulphate	77-78-1	201-058-1	0.05	N.D.
106	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	201-861-7	0.05	N.D.

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107	Dioxobis(stearato)trilead*	12578-12-0	235-702-8	0.05	N.D.
108	Fatty acids, C16-18, lead salts*	91031-62-8	292-966-7	0.05	N.D.
109	Furan	110-00-9	203-727-3	0.05	N.D.
110	Henicosafuoroundecanoic acid	2058-94-8	218-165-4	0.05	N.D.
111	Heptacosafuorotetradecanoic acid	376-06-7	206-803-4	0.05	N.D.
112	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	0.05	N.D.
113	Lead bis(tetrafluoroborate)*	13814-96-5	237-486-0	0.05	N.D.
114	Lead cyanamidate*	20837-86-9	244-073-9	0.05	N.D.
115	Lead dinitrate*	10099-74-8	233-245-9	0.05	N.D.
116	Lead monoxide (lead oxide)*	1317-36-8	215-267-0	0.05	N.D.
117	Lead oxide sulfate*	12036-76-9	234-853-7	0.05	N.D.
118	Orange lead (lead tetroxide) *	1314-41-6	215-235-6	0.05	N.D.
119	Lead titanium trioxide*	12060-00-3	235-038-9	0.05	N.D.
120	Lead Titanium Zirconium Oxide*	12626-81-2	235-727-4	0.05	N.D.
121	Methoxyacetic acid	625-45-6	210-894-6	0.05	N.D.
122	Methyloxirane (Propylene oxide)	75-56-9	200-879-2	0.05	N.D.
123	N,N-dimethylformamide	68-12-2	200-679-5	0.05	N.D.

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124	N-methylacetamide	79-16-3	201-182-6	0.05	N.D.
125	N-pentyl-isopentylphthalate	776297-69-9	--	0.05	N.D.
126	o-aminoazotoluene	97-56-3	202-591-2	0.05	N.D.
127	o-Toluidine	95-53-4	202-429-0	0.05	N.D.
128	Pentacosafuorotridecanoic acid	72629-94-8	276-745-2	0.05	N.D.
129	Pentalead tetraoxide sulphate*	12065-90-6	235-067-7	0.05	N.D.
130	Pyrochlore, antimony lead yellow*	8012-00-8	232-382-1	0.05	N.D.
131	Silicic acid (H <sub>2</sub> Si <sub>2</sub> O <sub>5</sub> ), barium salt (1:1), lead-doped*	68784-75-8	272-271-5	0.05	N.D.
132	Silicic acid, lead salt*	11120-22-2	234-363-3	0.05	N.D.
133	Sulfurous acid, lead salt, dibasic*	62229-08-7	263-467-1	0.05	N.D.
134	Tetraethyllead*	78-00-2	201-075-4	0.05	N.D.
135	Tetralead trioxide sulphate*	12202-17-4	235-380-9	0.05	N.D.
136	Tricosafuorododecanoic acid	307-55-1	206-203-2	0.05	N.D.
137	Trilead bis(carbonate)dihydroxide *	1319-46-6	215-290-6	0.05	N.D.
138	Trilead dioxide phosphonate*	12141-20-7	235-252-2	0.05	N.D.
139	4-Nonylphenol, branched and linear, ethoxylated	--	--	0.05	N.D.
140	Ammonium pentadecafluorooctanoate (APFO)	3825-26-1	223-320-4	0.05	N.D.
141	Cadmium oxide*	1306-19-0	215-146-2	0.05	N.D.

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142	Cadmium	7440-43-9	231-152-8	0.05	N.D.
143	Dipentyl phthalate(DPP)	131-18-0	205-017-9	0.05	N.D.
144	Pentadecafluorooctanoic acid (PFOA)	335-67-1	206-397-9	0.05	N.D.
145	Cadmium sulphide*	1306-23-6	215-147-8	0.05	N.D.
146	Diethyl phthalate	84-75-3	201-559-5	0.05	N.D.
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	0.05	N.D.
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	0.05	N.D.
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	96-45-7	202-506-9	0.05	N.D.
150	Lead di(acetate)*	301-04-2	206-104-4	0.05	N.D.
151	Triethyl phosphate	25155-23-1	246-677-8	0.05	N.D.
152	1,2-Benzenedicarboxylic acid, dihexylester, branched and linear	68515-50-4	271-093-5	0.05	N.D.
153	Cadmium chloride*	10108-64-2	233-296-7	0.05	N.D.
154	Sodium perborate;perboric acid, sodium salt*	--	239-172-9 234-390-0	0.05	N.D.
155	Sodium peroxometaborate*	7632-4-4	231-556-4	0.05	N.D.
156	2-(2H-benzotriazol-2-yl)-4,6-ditertpentyl phenol (UV-328) .	25973-55-1	247-284-8	0.05	N.D.
157	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	223-346-6	0.05	N.D.
158	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE).	15571-58-1	239-622-4	0.05	N.D.

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No.	Test Item	CAS No.	EC No.	RL(%)	Result (%)
159	Cadmium fluoride*	7790-79-6	232-222-0	0.05	N.D.
160	Cadmium sulphate*	10124-36-4 31119-53-6	233-331-6	0.05	N.D.
161	Reaction mass of 2-ethylhexyl10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate & 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 & MOTE).	--	--	0.05	N.D.
162	Phthalate (C6 - C10) alkyl ester	--	--	0.05	N.D.
163	Karanal	117933-89-8	--	0.05	N.D.
164	Nitrobenzene	98-95-3	202-716-0	0.05	N.D.
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	223-383-8	0.05	N.D.
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	253-037-1	0.05	N.D.
167	1,3-propanesultone	1120-71-4	214-317-9	0.05	0.12
168	Perfluorononan-1-oic-acid and its sodium and ammonium salts	375-95-1 21049-39-8 4149-60-4	206-801-3	0.05	N.D.
169	Benzo[def]chrysene	200-028-5	50-32-8	0.05	N.D.
170	4,4'-Isopropylidenediphenol(bisphenol A).	1980/5/7	201-245-8	0.05	N.D.
171	4-Heptylphenol, branched and linear .	/	/	0.05	N.D.
172	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts.	3108-42-7 335-76-2 3830-45-3	/ 206-400-3 221-470-5	0.05	N.D.
173	p-(1,1-dimethylpropyl)phenol .	80-46-6	201-280-9	0.05	N.D.
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	355-46-4	206-587-1	0.05	N.D.

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# Test Report

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No.	Test Item	CAS No.	EC No.	RL(%)	Result (%)
175	Chrysene	218-01-9	205-923-4	0.05	N.D.
176	Benz[a]anthracene	56-55-3	200-280-6	0.05	N.D.
177	Cadmium nitrate*	10325-94-7	233-710-6	0.05	N.D.
178	Cadmium hydroxide*	21041-95-2	244-168-5	0.05	N.D.
179	Cadmium carbonate*	513-78-0	208-168-9	0.05	N.D.
180	Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)	13560-89-9 135821-74-8 135821-03-3	/	0.05	N.D.
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]	/	/	0.05	N.D.
182	Dicyclohexyl phthalate (DCHP)	84-61-7	201-545-9	0.05	N.D.
183	Benzene -1,2,4- tricarboxylic acid 1,2- acid anhydride (triphthalic anhydride)	552-30-7	209-008-0	0.05	N.D.
184	Benzo(ghi)perylene	191-24-2	205-883-8	0.05	N.D.
185	Decamethylcyclotetrasiloxane(D5)	541-02-6	208-764-9	0.05	N.D.
186	Disodium octaborate *	12008-41-2	234-541-0	0.05	N.D.
187	Dodecamethylcyclohexasiloxane(D6)	540-97-6	208-762-8	0.05	N.D.
188	Ethanediamine	107-15-3	203-468-6	0.05	N.D.
189	Lead	7439-92-1	231-100-4	0.05	N.D.
190	Octamethylcyclotetrasiloxane(D4)	556-67-2	209-136-7	0.05	N.D.
191	Tridiphenylhydrogenation	61788-32-7	262-967-7	0.05	N.D.
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	401-720-1	0.05	N.D.
193	Benzo[k]fluoranthene	207-08-9	205-916-6	0.05	N.D.
194	Fluoranthene	206-44-0	205-912-4	0.05	N.D.

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195	Phenanthrene	85-01-8	201-581-5	0.05	N.D.
196	Pyrene	129-00-0	204-927-3	0.05	N.D.
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one	15087-24-8	239-139-9	0.05	N.D.
198	4-tert-Butylphenol	98-54-4	202-679-0	0.05	N.D.
199	2,3,3,3,-tetrafluoro-2-(sevofluoropropoxy) propionic acid and its salts and acyl halides (including monomers and combinations) (hfpo-da)	--	--	0.05	N.D.
200	2-methoxy ethyl acetate	110-49-6	203-772-9	0.05	N.D.
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	--	--	0.05	N.D.
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	404-360-3	0.05	N.D.
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	404-360-3	0.05	N.D.
204	Diisohexyl phthalate	71850-09-04	276-090-2	0.05	N.D.
205	Perfluorobutane sulfonic acid (PFBS) and its salts	--	--	0.05	N.D.
206	1-vinylimidazole	1072-63-5	214-012-0	0.05	N.D.
207	2-methylimidazole	693-98-1	211-765-7	0.05	N.D.
208	Butyl 4-hydroxybenzoate	94-26-8	202-318-7	0.05	N.D.
209	Dibutylbis (pentane-2,4-dionato - O,O')tin*	22673-19-4	245-152-0	0.05	N.D.
210	bis(2-(2-methoxyethoxy)ethyl) ether	143-24-8	20594-7	0.05	N.D.
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**	--	--	0.05	N.D.
212	1,4-dioxane	123-91-1	204-661-8	0.05	N.D.
213	2,2-bis(bromomethyl)propane 1,3-diol (BMP); 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	221-967-8 253-057-0 202-480-9	0.05	N.D.

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No.	Test Item	CAS No.	EC No.	RL(%)	Result (%)
214	2-(4-tert-butylbenzylpropionaldehyde and its individual stereoisomers)	--	--	0.05	N.D.
215	4,4'-(1-methylpropylidene)bisphenol (bisphenol B)	77-40-7	201-025-1	0.05	N.D.
216	Glutaral	111-30-8	203-856-5	0.05	N.D.
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 C171]	--	--	0.05	N.D.
218	Orthoboric acid, sodium salt*	13840-56-7	237-560-2	0.05	N.D.
219	Phenol, alkylation products (mainly in para position) with C12-rich branched alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	--	--	0.05	N.D.
220	(±)-7,7 - trimethyl - 3 - [(4 - methylphenyl) methylene] bicycle [2.2.1] heptan - 2 - one covering any of the individual isomers and/or its combinations thereof (4 -MBC)	--	--	0.05	N.D.
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol-	119-47-1	204-327	0.05	N.D.
222	S-(tricyclo[5.2.1.0 <sup>2,6</sup> ]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	0.05	N.D.
223	tris(2-methoxyethoxy)vinylsilane	1067-53-4	213-934-0	0.05	N.D.

**Note:**

(1) 1 mg/kg = 1 ppm = 0.0001%; 0.1wt% = 1000 ppm

(2) N.D. = Not Detected(&lt;RL)

(3) \*The test result is based on the calculation of selected element(s) and to the worst-case scenario

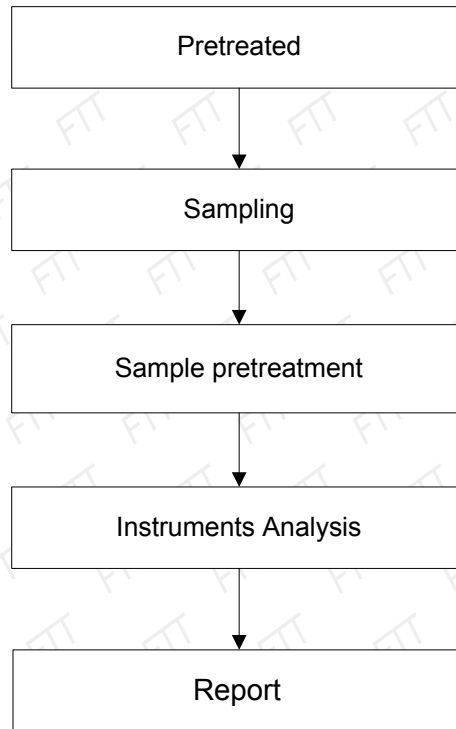
(4) Calculated concentration of boric compounds are based on the water extractive boron by ICP-OES

Remark: The test report is only used for the purpose of customer research, teaching, internal quality control, product development, etc., and is for internal reference only.

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## REACH SVHCs Testing Flow Chart:



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**Test Part Description: Battery**

**Sample Photo**



Note: The results shown in this report refer only to the sample(s) tested.

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

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