TEST REPORT

Client : Sipec Spa

Address : Via A. Kuliscioffff 16/18, 20152 Milan

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

Name of Product : microfiber towels

Test Model : 10438, 11415,11476,20436

Reference Model : /

Main Material: 80%polyester 20%polyamide

Supplier: 011995 - 012836

Buyer: SIPEC SpA

Sample Received : Jun. 08, 2023

Test Period : Jun. 08, 2023 - Jun. 13, 2023

Test Specification and Conclusion:

According to European Commission Regulation 1907/2006 (REACH Act), the test result of SVHC 233 are <0.1% in the article of submitted sample. PASS

Prepared By : David

David Chen
Testing Engineer

Reviewed By : Dora

Dora Cheng
Reporter Supervisor

Issued By :

STQ TESTING SERVICES CO., LTD.

Ada Wang
Lab Manager

SZ2023060405-2E

TEST GROUP INFORMATION:

Test Group No:	1#
Test Specification:	White towel + dark blue towel + black towel + blue towel + light blue towel + red towel + grey towel + purple towel + orange towel + green towel
Sample Photo:	

REFERENCE PHOTOS

The photos were submitted by the client, only for reference

10438_01

10438_02

10438_03

10438_05

10438_06

10438_07

10438_08

10438_10

10438_15

10438_32

10438_35

11415_01

11415_02

11415_03

11415_05

11415_06

11415_07

11415_08

11415_10

11415_15

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11415_32

11476_01

11476_02

11476_03

11476_05

11476_06

11476_07

11476_08

11476_10

11476_15

11476_32

20436_01

20436_01_1

20436_02

20436_02_1

20436_06

20436_06_1

20436_10

20436_10_1

******** To be continued ********

TEST RESULTS:

Substances in the Candidate List of SVHC

Test Method: In house method, Analysis is based on GC-MS, LC, IC, ICP-AES and UV-Vis.

Test Group	Substance Name	Result	Unit	Conclusion
Group 1#	All tested SVHC in candidate list	N.D.	%	PASS

Appendix-Full list of tested SVHC:

No.	Substance Name	EC. No.	CAS No.	MDL(%)
1	2,4-Dinitrotoluene	204-450-0	121-14-2	0.005
2	2-Ethoxyethanol	203-804-1	110-80-5	0.005
3	2-Methoxyethanol	203-713-7	109-86-4	0.005
4	4,4'- Diaminodiphenylmethane(MDA)	202-974-4	101-77-9	0.005
5	5-tert-butyl-2,4,6-trinitro-m-xylene (musk xylene)	201-329-4	81-15-2	0.005
6	Acrylamide	201-173-7	79-06-1	0.005
7	Alkanes, C_{10-13}, chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	0.005
8	Aluminosilicate Refractory Ceramic Fibres***	---	---	0.005
9	Ammonium dichromate*	232-143-1	7789-09-5	0.005
10	Anthracene	204-371-1	120-12-7	0.005
11	Anthracene oil	292-602-7	90640-80-5	0.005
12	Anthracene oil, anthracene paste	292-603-2	90640-81-6	0.005
13	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	0.005
14	Anthracene oil, anthracene paste; distn. Lights	295-278-5	91995-17-4	0.005
15	Anthracene oil, anthracene-low	292-604-8	90640-82-7	0.005
16	Benzyl butyl phthalate(BBP)	201-622-7	85-68-7	0.005
17	Bis(2-ethylhexyl)phthalate(DEHP)	204-211-0	117-81-7	0.005
18	Bis(tributyltin)oxide(TBTO)**	200-268-0	56-35-9	0.005
19	Boric acid*	233-139-2 234-343-4	10043-35-3 11113-50-1	0.005
20	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	231-801-5 236-881-5	7738-94-5 13530-68-2	0.005
21	Chromium trioxide*	215-607-8	1333-82-0	0.005
22	Cobalt dichloride*	231-589-4	7646-79-9	0.005
23	Cobalt(II) carbonate*	208-169-4	513-79-1	0.005

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No.	Substance Name	EC. No.	CAS No.	MDL(%)
24	Cobalt(II) diacetate*	200-755-8	71-48-7	0.005
25	Cobalt(II) dinitrate*	233-402-1	10141-05-6	0.005
26	Cobalt(II) sulphate*	233-334-2	10124-43-3	0.005
27	Diarsenic pentaoxide*	215-116-9	1303-28-2	0.005
28	Diarsenic trioxide*	215-481-4	1327-53-3	0.005
29	Dibutyl Phthalate(DBP)	201-557-4	84-74-2	0.005
30	Diisobutyl Phthalate(DIBP)	201-553-2	84-69-5	0.005
31	Disodium tetraborate, anhydrous*	215-540-4	1303-96-4 1330-43-4 12179-04-3	0.005
32	Hexabromocyclododecane(HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	247-148-4 221-695-9	25637-99-4 3194-55-6 (134237-50-6) (134237-51-7) (134237-52-8)	0.005
33	Lead chromate*	231-846-0	7758-97-6	0.005
34	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	235-759-9	12656-85-8	0.005
35	Lead hydrogen arsenate*	232-064-2	7784-40-9	0.005
36	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	215-693-7	1344-37-2	0.005
37	Coal tar pitch, high temperature	266-028-2	65996-93-2	0.005
38	Potassium chromate*	232-140-5	7789-00-6	0.005
39	Potassium dichromate*	231-906-6	7778-50-9	0.005
40	Sodium chromate*	231-889-5	7775-11-3	0.005
41	Sodium dichromate*	234-190-3	7789-12-0 10588-01-9	0.005
42	Tetraboron disodium heptaoxide, hydrate*	235-541-3	12267-73-1	0.005
43	Trichloroethylene	201-167-4	79-01-6	0.005
44	Triethyl arsenate*	427-700-2	15606-95-8	0.005
45	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	0.005
46	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.2 of Regulation (EC) No 1272/2008 of the European Parliament and of the Council of 16 December 2008 on classification, labelling and packaging of substances and mixtures, and fulfil the two	---	---	0.005

No.	Substance Name	EC. No.	CAS No.	MDL(%)
	following conditions: a) Al_2O_3, SiO_2 and ZrO_2 are present within the following concentration ranges: Al_2O_3: 35 – 36 % w/w, and SiO_2: 47.5 – 50 % w/w, and ZrO_2: 15 – 17 % w/w, b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (μm)***			
47	2-ethoxyethyl acetate	203-839-2	111-15-9	0.005
48	Strontium chromate*	232-142-6	7789-06-2	0.005
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	0.005
50	Hydrazine	206-114-9	7803-57-8 302-01-2	0.005
51	1-methyl-2-pyrrolidone	212-828-1	872-50-4	0.005
52	1,2,3-trichloropropane	202-486-1	96-18-4	0.005
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,C7-rich	276-158-1	71888-89-6	0.005
54	Lead dipicrate*	229-335-2	6477-64-1	0.005
55	Lead styphnate*	239-290-0	15245-44-0	0.005
56	Lead azide Lead diazide*	236-542-1	13424-46-9	0.005
57	Phenolphthalein	201-004-7	77-09-8	0.005
58	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	0.005
59	N,N-dimethylacetamide	204-826-4	127-19-5	0.005
60	Trilead diarsenate*	222-979-5	3687-31-8	0.005
61	Calcium arsenate*	231-904-5	7778-44-1	0.005
62	Arsenic acid*	231-901-9	7778-39-4	0.005
63	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	0.005
64	1,2-Dichloroethane	203-458-1	107-06-2	0.005
65	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	0.005
66	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	0.005
67	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	0.005
68	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	0.005
69	Pentazinc chromate octahydroxide*	256-418-0	49663-84-5	0.005

No.	Substance Name	EC. No.	CAS No.	MDL(%)
70	Potassium hydroxyoctaoxodizincatedi-chromate*	234-329-8	11103-86-9	0.005
71	Dichromium tris(chromate)*	246-356-2	24613-89-6	0.005
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	0.005
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	0.005
74	Diboron trioxide*	215-125-8	1303-86-2	0.005
75	Formamide	200-842-0	75-12-7	0.005
76	Lead(II) bis(methanesulfonate) *	401-750-5	17570-76-2	0.005
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6 (1H,3H,5H)-trione)	219-514-3	2451-62-9	0.005
78	β-TGIC (1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H) -trione)	423-400-0	59653-74-6	0.005
79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	202-027-5	90-94-8	0.005
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler'sbase)	202-959-2	101-61-1	0.005
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethyl am monium chloride (C.I. Basic Violet 3) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] ****	208-953-6	548-62-9	0.005
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]meth ylene]cyclohexa-2,5-dien-1-ylidene] dimethylammonium chloride (C.I. Basic Blue 26) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] ****	219-943-6	2580-56-5	0.005
83	α,α-Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] ****	229-851-8	6786-83-0	0.005
84	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [with ≥ 0.1% of Michler's ketone (EC No. 202-027-5) or Michler's base (EC No. 202-959-2)] ****	209-218-2	561-41-1	0.005
85	Bis(pentabromophenyl) ether (DecaBDE)	214-604-9	1163-19-5	0.005
86	Pentacosafluorotridecanoic acid	276-745-2	72629-94-8	0.005

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No.	Substance Name	EC. No.	CAS No.	MDL(%)
87	Tricosafluorododecanoic acids	206-203-2	307-55-1	0.005
88	Henicosafluoroundecanoic acid	218-165-4	2058-94-8	0.005
89	Heptacosafluorotetradecanoic acid	206-803-4	376-06-7	0.005
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated –covering well-defined substances and UVCB substances, polymers and homologues	---	---	0.005
91	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
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	0.005
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride – HHPA)	201-604-9	85-42-7	0.005
94	Hexahydromethylphathalic anhydride,Hexahydro-4-methylphathalic anhydride,Hexahydro-1-methylphathalic anhydride,Hexahydro-3-methylphathalic 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	0.005
95	Methoxy acetic acid	210-894-6	625-45-6	0.005
96	1,2-Benzenedicarboxylic acid, dipentylester,branched and linear	284-032-2	84777-06-0	0.005
97	Diisopentylphthalate (DIPP)	210-088-4	605-50-5	0.005
98	N-pentyl-isopentyl phthalate	---	---	0.005
99	1,2-Diethoxyethane	211-076-1	629-14-1	0.005
100	N,N-dimethylformamide; dimethyl formamide	200-679-5	68-12-2	0.005
101	Dibutyltin dichloride (DBT)	211-670-0	683-18-1	0.005
102	Acetic acid, lead salt, basic*	257-175-3	51404-69-4	0.005
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)*	215-290-6	1319-46-6	0.005
104	Lead oxide sulfate (basic lead sulfate)*	234-853-7	12036-76-9	0.005
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	273-688-5	69011-06-9	0.005
106	Dioxobis(ricycle)trilead*	235-702-8	12578-12-0	0.005
107	Fatty acids, C16-18, lead salts*	292-966-7	91031-62-8	0.005
108	Lead bis(tetrafluoroborate)*	237-486-0	13814-96-5	0.005
109	Lead cynamidate*	244-073-9	20837-86-9	0.005
110	Lead dinitrate*	233-245-9	10099-74-8	0.005
111	Lead oxide (lead monoxide)*	215-267-0	1317-36-8	0.005

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No.	Substance Name	EC. No.	CAS No.	MDL(%)
112	Lead tetroxide (orange lead)*	215-235-6	1314-41-6	0.005
113	Lead titanium trioxide*	235-038-9	12060-00-3	0.005
114	Lead Titanium Zirconium Oxide*	235-727-4	12626-81-2	0.005
115	Pentalead tetraoxide sulphate*	235-067-7	12065-90-6	0.005
116	Pyrochlore, antimony lead yellow*	232-382-1	8012-00-8	0.005
117	Silicic acid, barium salt, lead-doped*	272-271-5	68784-75-8	0.005
118	Silicic acid, lead salt*	234-363-3	11120-22-2	0.005
119	Sulfurous acid, lead salt, dibasic*	263-467-1	62229-08-7	0.005
120	Tetraethyllead*	201-075-4	78-00-2	0.005
121	Tetralead trioxide sulphate*	235-380-9	12202-17-4	0.005
122	Trilead dioxide phosphonate*	235-252-2	12141-20-7	0.005
123	Furan	203-727-3	110-00-9	0.005
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	200-879-2	75-56-9	0.005
125	Diethyl sulphate	200-589-6	64-67-5	0.005
126	Dimethyl sulphate	201-058-1	77-78-1	0.005
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	0.005
128	Dinoseb	201-861-7	88-85-7	0.005
129	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	0.005
130	4,4'-oxydianiline and its salts	202-977-0	101-80-4	0.005
131	4-Aminoazobenzene	200-453-6	60-09-3	0.005
132	4-methyl-m-phenylenediamine (toluene -2,4 –diamine)	202-453-1	95-80-7	0.005
133	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	0.005
134	Biphenyl-4-ylamine	202-177-1	92-67-1	0.005
135	O-aminoazotoluene	202-591-2	97-56-3	0.005
136	O-Toluidine	202-429-0	95-53-4	0.005
137	N-methylacetamide	201-182-6	79-16-3	0.005
138	1-bromopropane(n-propyl bromide)	203-445-0	106-94-5	0.005
139	Cadmium*	231-152-8	7440-43-9	0.005
140	Cadmium oxide*	215-146-2	1306-19-0	0.005
141	Ammonium pentadecafluorooctanoate(APFO)	223-320-4	3825-26-1	0.005
142	Pentadecafluorooctanoic acid(PFOA)	206-397-9	335-67-1	0.005
143	Dipentyl phthalate(DPP)	205-017-9	131-18-0	0.005
144	4-Nonylphenol, branched and linear,ethoxylated	---	---	0.005

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No.	Substance Name	EC. No.	CAS No.	MDL(%)
145	Cadmium sulphide*	215-147-8	1306-23-6	0.005
146	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	0.005
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)	217-710-3	1937-37-7	0.005
148	Dihexyl phthalate	201-559-5	84-75-3	0.005
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	0.005
150	Lead di(acetate) *	206-104-4	301-04-2	0.005
151	Trixylyl phosphate	246-677-8	25155-23-1	0.005
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	0.005
153	Sodium perborate; perboric acid, sodium salt *	239-172-9 234-390-0	---	0.005
154	Sodium peroxometaborate*	231-556-4	7632-04-4	0.005
155	Cadmium chloride*	233-296-7	10108-64-2	0.005
156	Cadmium fluoride*	232-222-0	7790-79-6	0.005
157	Cadmium sulphate*	233-331-6	10124-36-4 31119-53-6	0.005
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	0.005
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	0.005
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	0.005
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)	---	---	0.005
162	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyldiesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	271-094-0 272-013-1	68515-51-5 68648-93-1	0.005
163	5-sec-butyl-2-(2,4-dimethylcyclohex-3-en-1-yl)-5-methyl	---	---	0.005

No.	Substance Name	EC. No.	CAS No.	MDL(%)
	-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]			
164	Nitrobenzene	202-716-0	98-95-3	0.005
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	223-383-8	3864-99-1	0.005
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	0.005
167	1,3-propanesultone	214-317-9	1120-71-4	0.005
168	Perfluorononan-1-oic-acid and its sodium and ammonium saltspropanesultone	206-801-3	375-95-1 21049-39-8 4149-60-4	0.005
169	Benzo[a]pyrene	200-028-5	50-32-8	0.005
170	4,4'-isopropylidenediphenol (bisphenol A)	201-245-8	80-05-7	0.005
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	206-400-3 221-470-5	3108-42-7 335-76-2 3830-45-3	0.005
172	4-Heptylphenol, branched and linear substances with a linear and/or branched alkyl chain with a carbon number of 7 covalently bound predominantly 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
173	P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	0.005
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	---	---	0.005
175	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	---	---	0.005
176	Benz[a]anthracene	200-280-6	56-55-3 1718-53-2	0.005
177	Cadmium nitrate*	233-710-6	10325-94-7, 10022-68-1	0.005
178	Cadmium carbonate*	208-168-9	513-78-0	0.005
179	Cadmium hydroxide*	244-168-5	21041-95-2	0.005

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No.	Substance Name	EC. No.	CAS No.	MDL(%)
180	Chrysene	205-923-4	218-01-9, 1719-03-5	0.005
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]	---	---	0.005
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	209-008-0	552-30-7	0.005
183	Dicyclohexyl phthalate (DCHP)	201-545-9	84-61-7	0.005
184	Benzo[ghi]perylene	205-883-8	191-24-2	0.005
185	Decamethylcyclopentasiloxane (D5)	208-764-9	541-02-6	0.005
186	Disodium octaborate*	234-541-0	12008-41-2	0.005
187	Dodecamethylcyclohexasiloxane (D6)	208-762-8	540-97-6	0.005
188	Ethylenediamine	203-468-6	107-15-3	0.005
189	Lead	231-100-4	7439-92-1	0.005
190	Octamethylcyclotetrasiloxane (D4)	209-136-7	556-67-2	0.005
191	Terphenyl hydrogenated	262-967-7	61788-32-7	0.005
192	Pyrene	204-927-3	129-00-0; 1718-52-1	0.005
193	Phenanthrene	201-581-5	85-01-8	0.005
194	Fluoranthene	205-912-4	206-44-0; 93951-69-0	0.005
195	Benzo[k]fluoranthene	205-916-6	207-08-9	0.005
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	0.005
197	1,7,7-trimethyl-3-(phenylmethylene) ricycl [2.2.1]heptan-2-one(3-benzylidene camphor; 3-BC)	239-139-9	15087-24-8	0.005
198	4-tert-butylphenol (PTBP)	202-679-0	98-54-4	0.005
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)	---	---	0.005
200	2-methoxyethyl acetate	203-772-9	110-49-6	0.005
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	---	---	0.005
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	0.005

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No.	Substance Name	EC. No.	CAS No.	MDL(%)
203	2-methyl-1-(4-methylthiophenyl)-2-morpholino propan-1-one	400-600-6	71868-10-5	0.005
204	Diisohexyl phthalate	276-090-2	71850-09-4	0.005
205	Perfluorobutane sulfonic acid (PFBS) and its salts	---	---	0.005
206	1-vinylimidazole	214-012-0	1072-63-5	0.005
207	2-methylimidazole	211-765-7	693-98-1	0.005
208	butyl 4-hydroxybenzoate	202-318-7	94-26-8	0.005
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	22673-19-4	0.005
210	Bis(2-(2-methoxyethoxy)ethyl)ether (tetraglyme)	205-594-7	143-24-8	0.005
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	---	---	0.005
212	1,4-dioxane	204-661-8	123-91-1	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)	221-967-7; 253-057-0; 202-480-9	3296-90-0; 36483-57-5/ 1522-92-5; 96-13-9	0.005
214	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	---	---	0.005
215	4,4'-(1-methylpropylidene)bisphenol; (bisphenol B)	201-025-1	77-40-7	0.005
216	Glutaral	203-856-5	111-30-8	0.005
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]	---	---	0.005
218	Orthoboric acid, sodium salt*	---	---	0.005
219	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from ricycle zation, covering any individual isomers and/ or combinations thereof (PDDP)	---	---	0.005
220	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene] ricycl [2.2.1] heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC)	---	---	0.005
221	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	204-327-1	119-47-1	0.005

No.	Substance Name	EC. No.	CAS No.	MDL(%)
222	S-(ricycle[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	401-850-9	255881-94-8	0.005
223	Tris(2-methoxyethoxy)vinylsilane	213-934-0	1067-53-4	0.005
224	N-(hydroxymethyl)acrylamide	213-103-2	924-42-5	0.005
225	1,1'-[ethane-1,2-diylbisoxy]bis[2,4,6-tribromobenzene]	253-692-3	37853-59-1	0.005
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (TBBPA)	201-236-9	79-94-7	0.005
227	4,4'-sulphonyldiphenol (BPS)	201-250-5	80-09-1	0.005
228	Barium diboron tetraoxide	237-222-4	13701-59-2	0.005
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	-	0.005
230	Isobutyl 4-hydroxybenzoate	224-208-8	4247-02-3	0.005
231	melamine	203-615-4	108-78-1	0.005
232	Perfluoroheptanoic acid and its salts	-	-	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-(heptafluoropropyl)morpholine	473-390-7	-	0.005

Remark 1 **1)** In accordance with Regulation(EC) No. 1907/2006, any 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), if both the following conditions are met:

(a) the substance is present in those articles in quantities totalling over 1 tonne per producer or importer per year;

(b) the substance is present in those articles above a concentration of 0,1 % weight by weight (w/w).

2) From 28 October 2008, EU & EEA suppliers of articles which contain substances on the Candidate List in a concentration above 0.1% (w/w) must provide sufficient information, available to them, to their customers and on request to a consumer within 45 days of the receipt of this request. This information must ensure safe use of the article and, as a minimum, include the name of the substance.

Remark 2 **1)*** Calculated concentration of cobalt dichloride, cobalt(II) sulphate, cobalt(II) dinitrate, cobalt(II) carbonate and cobalt(II) diacetate is based on the identified heavy metal and anion result. Calculated concentration of diarsenic pentaoxide, diarsenic trioxide,chromium

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trioxide,sodium dichromate, dehydrate, lead hydrogen arsenate, triethyl arsenate, lead chromate, sodium chromate, strontium chromate ,potassium chromate, ammonium dichromate,potassium dichromate, lead chromate molybdate sulfate red, lead sulfochromate yellow and acids generated from chromium trioxide and their oligomers, Lead dipicrate, Lead styphnate, Lead azide Lead diazide, Trilead diarsenate , Calcium arsenate , Arsenic acid , Potassium hydroxyoctaoxodizincatedi-chromate, Dichromium tris(chromate), Pentazinc chromate octahydroxide, Lead(II) bis(methanesulfonate), Diboron trioxide ,Acetic acid, lead salt, basic, Basic lead carbonate (trilead bis(carbonate)dihydroxide), Lead oxide sulfate (basic lead sulfate), [Phthalato(2-)]dioxotrilead (dibasic lead phthalate), Dioxobis(stearato)trilead, Fatty acids, C16-18, lead salts, Lead bis(tetrafluoroborate), Lead cynamidate, Lead dinitrate, Lead oxide (lead monoxide), Lead tetroxide (orange lead), Lead titanium trioxide, Lead Titanium Zirconium Oxide , Pentalead tetraoxide sulphate , Pyrochlore, antimony lead yellow ,Silicic acid, barium salt, lead-doped , Sulfurous acid, lead salt, dibasic, Tetraethyllead, Tetralead trioxide sulphate, Trilead dioxide phosphonate,Cadmium,Cadmium oxide,Cadmium sulphide and Lead di(acetate), Cadmium chloride, Cadmium fluoride, Cadmium sulphate, Cadmium nitrate, Cadmium carbonate, Cadmium hydroxide are based on the identified heavy metal result,boric acid, disodium tetraborate, anhydrous and tetraboron disodium heptaoxide, hydrate , Sodium perborate; perboric acid, sodium salt , Sodium peroxometaborate, Disodium octaborate, Orthoboric acid, sodium salt are based on the identified result of boron and sodium result. The identities of above metal substances present in the article have to be further confirmed;

2)** Concentration of bis(tributyltin)oxide, TBTO is reported as tributyltin, TBT. The result is a screening test of TBTO and can cover TBTO and other salts under current technologies. Further investigation is needed to have the exact amount of TBTO;

3)*** Calculated concentration of Aluminosilicate, Refractory Ceramic Fibres ;Zirconia Aluminosilicate, Refractory Ceremic Fibres is based on the identified heavy metal result and confirmation by microscope;

4) ****The substance does only fulfil the criteria of REACH Art. 57 (a) if it contains Michler's ketone (EC Number: 202-027-5) or Michler's base (EC Number: 202-959-2) in a concentration ≥ 0.1% (weight / weight);

5) N.D. = Not detected, less than MDL, N.A.= Not Applicable.

******** **END OF REPORT** *********

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GENERAL CONDITIONS OF SERVICES

STQ Testing Services Co.,Ltd. (hereinafter "STQ"), The testing or examining under the request of the customer should obey terms as follow, according to regulation of "Contract Law of the People's Republic of China" on processing and undertaking contract, our company have legal right of termination without any reason and have the right to accept or refuse testing or examining request:

1. STQ only acts for the person or body originating the instructions (the"Clients"). No other party is entitled to give instructions, particularly on the scope of testing or delivery of report or certificate, unless authorized by the Clients.
2. The delivery and return fee of the samples which need to do testing at STQ should be paied by the client. STQ will not bear the responsibility for the testing error that is caused by transporting，packaging and labelling.
3. Sample recycling: when the testing or examining is finished, the customer should recycle the sample. Within 30 days after issuing of testing report, if the customer could not recycle the sample or send notification of sample recycling in written (for example, if the sample belongs to consumables, toxic drugs, dangerous goods and other items that are not suitable for long-term storage, such as semi-finished products and fragile samples such as liquids and powders , the retention period will be shortened to 7 days). After the retention period,STQ has the right to dispose of the sample arbitrarily without paying compensation or compensation to the customer and take no responsibility for the consequences that damages the customer's trade secrets and intellectual property rights due to the loss of the sample.
4. The Clients shall always comply with the following before or during STQ providing its services:

a) provide sample(s) and relevant data, at the same time, guarantee the consistence of the sample(s)'name they declared with the sample(s) or the goods provided. Otherwise, STQ will not bear any relevant responsibilities;
b) giving timely instructions and adequate information to enable STQ to perform the services effectively;
c) supply, when requested by STQ, any equipment and personnel for the performance of the services;
d) take all necessary steps to eliminate or remedy any obstruction in the performance of the services;
e) inform STQ in advance of any hazards or dangers, actual or potential, associated with any order of samples or testing;
f) provide all necessary access for STQ's representative to enable the required services to be performed effectively;
g) ensure all essential steps are taken for safety of working conditions, sites and installations during the performance of services;
h) fully discharge all its liabilities under any contract like sales contract with a third party, whether or not a report or certificate has been issued by STQ, failing which STQ shall be under no obligation to the Clients.

5. Subject to STQ's accepting the Client's instructions, STQ will issue reports or certificates which reflect statements of opinion made with due care within the scope of instructions but STQ is not obliged to report upon any facts outside the instructions, if there were any dissidence about the report or certificate, the Client should provide the written declaration to STQ within 15 days after the date receiving the report or certificate, otherwise, STQ will not hear the case after the date limit.
6. STQ is irrevocably authorized by the Clients to deliver at its discretion the report or the certificate to any third party when instructed by the Clients or where it implicitly follows from circumstances, trade custom, usage or practice as determined by STQ.
7. A test report will be issued in confidence to the Clients and it will be strictly treated as such by STQ. It may not be reproduced either in its entirety or in part and it may not be used for advertising or other unauthorized purposes without the written consent of STQ. The Clients to whom the Report is issued may, however, show or send it, or a certified copy thereof prepared by STQ, to his customer, supplier or other persons directly concerned. STQ will not, without the consent of the Clients, enter into any discussion or correspondence with any third party concerning the contents of the report unless required by the relevant governmental authorities, laws or court orders.
8. Applicants wishing to use STQ's reports in court proceedings or arbitration shall inform STQ to that effect prior to submitting the sample for testing.
9. The report will refer only to the sample tested and will not apply to the bulk, unless the sampling has been carried out by STQ and is stated as such in the Report. Also, the report is only for reference.
10. Any documents containing engagements between the Clients and third parties like contracts of sale, letters of credit, bills of lading, etc. are regarded as information for STQ only and do not affect the scope of the services or the obligations accepted by STQ.
11. If the Clients do not specify the methods/standards to be applied, STQ will choose the appropriate ones and further information regarding the methods can be obtained by direct contact with STQ, for the in－house method, STQ will only provide the summary.
12. No liability shall be incurred by and no claim shall be made against STQ or its servants, agents, employees or independent contractors in respect of any loss or damage to any such materials, equipment and property occurring whilst at STQ or any work places in which the testing is carried out, or in the course of transit to or from STQ or the said work places, whether or not resulting from any acts, neglect or default on the part of any such servants, agents, employees or independent contractors of STQ.
13. STQ will not be liable, or accept responsibility for any loss or damage howsoever arising from the use of information contained in any of its reports or in any communication whatsoever about its said tests or investigations.
14. Except for term 11 and term 12, if the test sample is damaged due to the negligence of STQ, the total compensation for loss and damage to the sample or loss to the customer shall not exceed twice of the test service fee.
15. In the event of STQ prevented by any cause outside STQ's control from performing any service for which an order has been given or an agreement made, the Clients shall pay to STQ:

a) the amount of all abortive expenditure actually made or incurred;

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b) a proportion of the agreed fee or commission equal to the proportion (if any) of the service actually carried out by STQ, and STQ shall be relieved of all responsibility whatsoever for the partial or total non－performance of the required service.

16. STQ shall be discharged from all liabilities for all claims for loss, damage or expense unless suit is brought within one calendar year after the date of the performance by STQ of the service relating to the claim or in the event of any alleged non－performance within one year of the date when such service should have been completed.
17. The Clients acknowledge that STQ does not, either by entering into a contract or by performing service, assume or undertake to discharge any duty of the Clients to any other persons. STQ is neither an insurer nor a guarantor and disclaims all liability in such capacity.
18. The Clients shall hold harmless and indemnify STQ and its officers, employees, agents or independent contractors against all claims made by any third party for loss，damage or expense of whatsoever nature including reasonable legal expenses relating to the performance or non- performance of any services to the extent that the aggregate of any such claims relating to any one service exceed the limits mentioned in Clause 13.
19. Any unauthorized alteration, forgery or falsification of the content or appearance of the report/certificate is unlawful and offenders may be prosecuted to the fullest extent of the law; in the event of improper use of the report, STQ reserves the right to withdraw it, and to adopt any other measures which may be appropriate.
20. Samples are deposited with and accepted by STQ on the basis that either they are insured by the Clients or the Clients assumes entire responsibility for loss through fire, theft, burglary or for damages arising in the course of analysis or handling, without recourse whatsoever to STQ or its servants, agent, employees or independent contractors.
21. If the requirements of the Clients require the analysis of samples by the Clients' or any third party's laboratory, STQ will only convey the result of the analysis without responsibility for its accuracy. If STQ is only able to witness an analysis by the Clients' or any third Party's laboratory STQ will only confirm that the correct sample has been analyzed without responsibility for the accuracy of any analysis or results.
22. In the event of any unforeseen additional time or costs being incurred in the course of carrying out any of its services, STQ shall be entitled to charge the Clients additional fees to reflect the additional time and costs incurred.
23. All rights（including but not limited to copyright）in any reports, certificates or other materials produced by STQ in the course of providing its services shall remain vested in STQ.
24. Unless otherwise agreed in written, payment should be arranged within 10 days after the invoice date or the debit note date. If the payment is overdue, the overdue penalty shall be calculated at 1‰ per day of the unpaid part till the actual payment date. All expenses, costs and losses incurred by STQ as a result of collecting or claiming the fees owed shall be borne by the customer, including but not limited to attorney fees, litigation fees, preservation fees, preservation guarantee fees, travel expenses, etc.
25. Test results may be transmitted by electronic means at the Client's request. However, it should be noted that electronic transmission cannot guarantee the information contained will not be lost, delayed or intercepted by third party. STQ is not liable for any disclosure, error or omission in the content of such messages as a result of electronic transmission.
26. If necessary, STQ may subcontract part of or all tests to competent subcontractors. If no objection is raised at the time of the Clients submitting the application, STQ shall assume the Client's approval.
27. This report/certificate does not relieve sellers/suppliers from their contractual responsibility with regards to the quality/quantity of this delivery nor does it prejudice the Client's right to claim towards sellers/suppliers for compensation for any apparent and/or hidden defects not detected during STQ's random inspection or testing or audit.
28. The testing data and result(s) in this reportis(are) just for scientific research, education, internal quality control and product development etc.
29. STQ reserves the right to include Special Conditions in addition to the foregoing General Conditions if warranted by the particular circumstances of the required test or investigation [this clause is only effective when the other party has been informed].
30. The foregoing General Conditions shall in all respects be governed, construed, interpreted and operated in accordance with the relevant Chinese laws and regulations. Unless otherwise agreed, the arbitration shall take place in P．R．C
31. These General Condition have been drafted in Chinese and may be translated into other languages. In the event of any discrepancy, the Chinese version shall prevail.
32. In general sample will be stored for 30 days. But for liquid, powder, etc semi-product & fragile product, it will be stored for 15 days after the report is issued.