



TEST REPORT

Reference No. : SZ2020111074-1E

Date : Dec. 02, 2020

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Client : WENZHOU XIANGYING REFLECTIVE MATERIALS SCIENCE TECHNOLOGY CO.,LTD
Address : Bacao Pingan Village, Longgang City, Wenzhou City, Zhejiang Province.(In the Wenzhou Oriental Paint Co., Ltd)

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

Name of Product : Filtering half mask
Test Model : XY-9
Model May Cover : /
Lot No.: XY2020111502
Main Material: Nonwoven fabric, meltblown
Supplier: WENZHOU XIANGYING REFLECTIVE MATERIALS SCIENCE TECHNOLOGY CO.,LTD

Sample Received : Nov. 27, 2020

Test Period : Nov. 27, 2020- Dec. 02, 2020

Test Specification and Conclusion:

According to European Commission Regulation 1907/2006 (REACH Act), the contents of SVHC 209 items(Group 1#) **are less than** 0.1% **PASS**

According to European Commission Regulation 1907/2006 (REACH Act), the contents of SVHC 209 items(Group 2#) **are less than** 0.1% **PASS**

Prepared By : David Chen
David Chen
Testing Engineer

Reviewed By : Dora Cheng
Dora Cheng
Reporter Supervisor

Issued By : Ada Wang
Ada Wang
Lab Manager



SZ2020111074-1E

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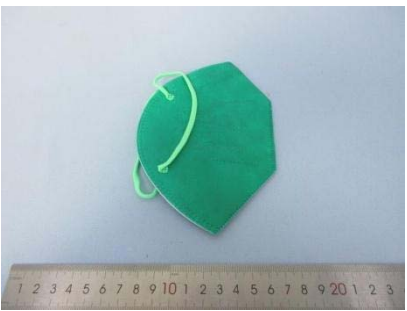

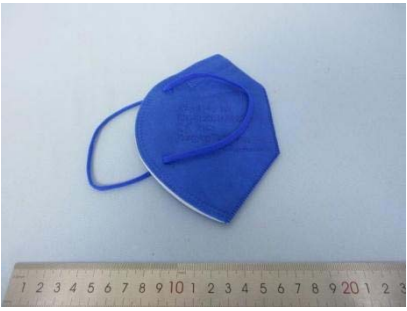




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TEST GROUP INFORMATION:

Test Group No:		1#			
Test Specification:		Non-metal parts, Materials 01-10, mixed testing			
01	Grey non-woven cloth		02	Dark green non-woven cloth	
03	White non-woven cloth		04	Royal blue non-woven cloth	
05	Dark orange non-woven cloth		06	Pink non-woven cloth	
07	Orange non-woven cloth		08	Fluorescent green non-woven cloth	

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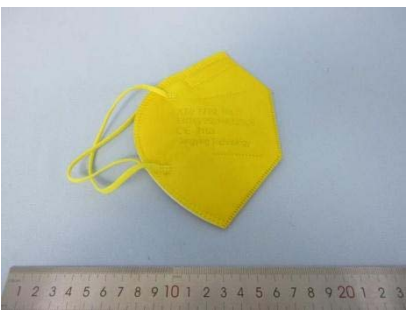
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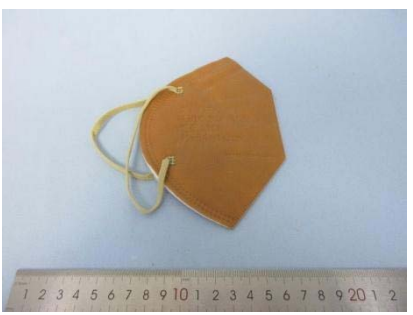

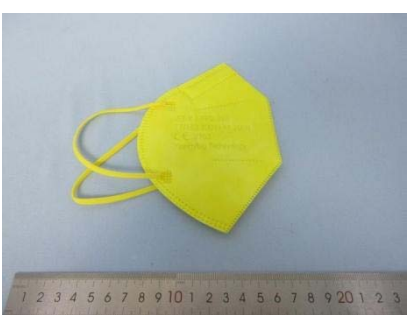



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09	Red non-woven cloth		10	Dark yellow non-woven cloth	
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Test Group No:		2#			
Test Specification:		Non-metal parts, Materials 01-10, mixed testing			
01	Dark brown non-woven cloth		02	Black non-woven cloth	
03	Light yellow non-woven cloth		04	Rose red non-woven cloth	
05	Navy blue non-woven cloth		06	Light purple non-woven cloth	

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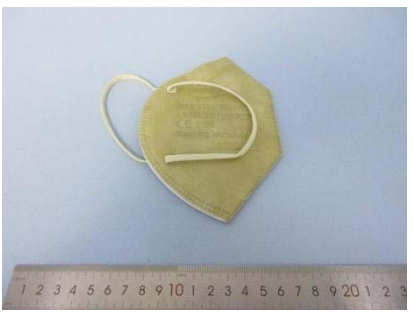



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07	Light brown non-woven cloth		08	Blue non-woven cloth	
09	Purple non-woven cloth		10	Sky blue non-woven cloth	

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

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TEST RESULTS:

SVHC 209 Items Content

Test Method: In-house method with reference to EPA: 8270E, 3052, 6010D, 3550C, 8321B, EN ISO 14362, DIN EN ISO 17353, IEC 62321, AfPS GS 2019:01 PAK and EN 14582.

Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)	
					1# [▲]	2# [▲]
1	2,4-Dinitrotoluene	204-450-0	121-14-2	0.01	N.D.	N.D.
2	2-Ethoxyethanol	203-804-1	110-80-5	0.005	N.D.	N.D.
3	2-Methoxyethanol	203-713-7	109-86-4	0.005	N.D.	N.D.
4	4,4'- Diaminodiphenylmethane(MDA)	202-974-4	101-77-9	0.005	N.D.	N.D.
5	5-tert-butyl-2,4,6-trinitro-m-xylene(musk xylene)	201-329-4	81-15-2	0.005	N.D.	N.D.
6	Acrylamide	201-173-7	79-06-1	0.01	N.D.	N.D.
7	Alkanes, C ₁₀₋₁₃ , chloro (Short Chain Chlorinated Paraffins)	287-476-5	85535-84-8	0.005	N.D.	N.D.
8	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 following conditions: a) Al ₂ O ₃ and SiO ₂ are present within the following concentration ranges: Al ₂ O ₃ : 43.5 – 47 % w/w, and SiO ₂ : 49.5 – 53.5 % w/w, or Al ₂ O ₃ : 45.5 – 50.5 % w/w, and SiO ₂ : 48.5 – 54 % w/w, b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) ^{***}	---	---	0.01	N.D.	N.D.
9	Ammonium dichromate*	232-143-1	7789-09-5	0.01	N.D.	N.D.
10	Anthracene	204-371-1	120-12-7	0.005	N.D.	N.D.
11	Anthracene oil	292-602-7	90640-80-5	0.01	N.D.	N.D.

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Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)	
					1# [▲]	2# [▲]
12	Anthracene oil, anthracene paste	292-603-2	90640-81-6	0.01	N.D.	N.D.
13	Anthracene oil, anthracene paste, anthracene fraction	295-275-9	91995-15-2	0.01	N.D.	N.D.
14	Anthracene oil, anthracene paste; distn. Lights	295-278-5	91995-17-4	0.01	N.D.	N.D.
15	Anthracene oil, anthracene-low	292-604-8	90640-82-7	0.01	N.D.	N.D.
16	Benzyl butyl phthalate(BBP)	201-622-7	85-68-7	0.005	N.D.	N.D.
17	Bis(2-ethylhexyl)phthalate(DEHP)	204-211-0	117-81-7	0.005	N.D.	N.D.
18	Bis(tributyltin)oxide(TBTO)**	200-268-0	56-35-9	0.005	N.D.	N.D.
19	Boric acid*	233-139-2 234-343-4	10043-35-3 11113-50-1	0.01	N.D.	N.D.
20	Chromic acid, Oligomers of chromic acid and dichromic acid, Dichromic acid	231-801-5 236-881-5	7738-94-5 13530-68-2	0.01	N.D.	N.D.
21	Chromium trioxide*	215-607-8	1333-82-0	0.01	N.D.	N.D.
22	Cobalt dichloride*	231-589-4	7646-79-9	0.01	N.D.	N.D.
23	Cobalt(II) carbonate*	208-169-4	513-79-1	0.01	N.D.	N.D.
24	Cobalt(II) diacetate*	200-755-8	71-48-7	0.01	N.D.	N.D.
25	Cobalt(II) dinitrate*	233-402-1	10141-05-6	0.01	N.D.	N.D.
26	Cobalt(II) sulphate*	233-334-2	10124-43-3	0.01	N.D.	N.D.
27	Diarsenic pentaoxide*	215-116-9	1303-28-2	0.01	N.D.	N.D.
28	Diarsenic trioxide*	215-481-4	1327-53-3	0.01	N.D.	N.D.
29	Dibutyl Phthalate(DBP)	201-557-4	84-74-2	0.005	N.D.	N.D.
30	Diisobutyl Phthalate(DIBP)	201-553-2	84-69-5	0.01	N.D.	N.D.
31	Disodium tetraborate, anhydrous*	215-540-4	1303-96-4 1330-43-4 12179-04-3	0.01	N.D.	N.D.
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)	0.002	N.D.	N.D.

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Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)	
					1# [▲]	2# [▲]
33	Lead chromate*	231-846-0	7758-97-6	0.01	N.D.	N.D.
34	Lead chromate molybdate sulfate red (C.I. Pigment Red 104)*	235-759-9	12656-85-8	0.01	N.D.	N.D.
35	Lead hydrogen arsenate*	232-064-2	7784-40-9	0.01	N.D.	N.D.
36	Lead sulfochromate yellow (C.I. Pigment Yellow 34)*	215-693-7	1344-37-2	0.01	N.D.	N.D.
37	Coal tar pitch, high temperature	266-028-2	65996-93-2	0.01	N.D.	N.D.
38	Potassium chromate*	232-140-5	7789-00-6	0.01	N.D.	N.D.
39	Potassium dichromate*	231-906-6	7778-50-9	0.01	N.D.	N.D.
40	Sodium chromate*	231-889-5	7775-11-3	0.01	N.D.	N.D.
41	Sodium dichromate*	234-190-3	7789-12-0 10588-01-9	0.01	N.D.	N.D.
42	Tetraboron disodium heptaoxide, hydrate*	235-541-3	12267-73-1	0.01	N.D.	N.D.
43	Trichloroethylene	201-167-4	79-01-6	0.01	N.D.	N.D.
44	Triethyl arsenate*	427-700-2	15606-95-8	0.01	N.D.	N.D.
45	Tris(2-chloroethyl)phosphate	204-118-5	115-96-8	0.01	N.D.	N.D.

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Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)	
					1# [▲]	2# [▲]
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 following conditions: a) Al ₂ O ₃ , SiO ₂ and ZrO ₂ are present within the following concentration ranges: Al ₂ O 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) ^{***}	---	---	0.01	N.D.	N.D.
47	2-ethoxyethyl acetate	203-839-2	111-15-9	0.01	N.D.	N.D.
48	Strontium chromate*	232-142-6	7789-06-2	0.01	N.D.	N.D.
49	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters	271-084-6	68515-42-4	0.01	N.D.	N.D.
50	Hydrazine	206-114-9	7803-57-8 302-01-2	0.01	N.D.	N.D.
51	1-methyl-2-pyrrolidone	212-828-1	872-50-4	0.01	N.D.	N.D.
52	1,2,3-trichloropropane	202-486-1	96-18-4	0.01	N.D.	N.D.
53	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters,C7-rich	276-158-1	71888-89-6	0.01	N.D.	N.D.
54	Lead dipicrate*	229-335-2	6477-64-1	0.01	N.D.	N.D.
55	Lead styphnate*	239-290-0	15245-44-0	0.01	N.D.	N.D.
56	Lead azide Lead diazide*	236-542-1	13424-46-9	0.01	N.D.	N.D.
57	Phenolphthalein	201-004-7	77-09-8	0.01	N.D.	N.D.

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					1# [▲]	2# [▲]
58	2,2'-dichloro-4,4'-methylenedianiline	202-918-9	101-14-4	0.01	N.D.	N.D.
59	N,N-dimethylacetamide	204-826-4	127-19-5	0.01	N.D.	N.D.
60	Trilead diarsenate*	222-979-5	3687-31-8	0.01	N.D.	N.D.
61	Calcium arsenate*	231-904-5	7778-44-1	0.01	N.D.	N.D.
62	Arsenic acid*	231-901-9	7778-39-4	0.01	N.D.	N.D.
63	Bis(2-methoxyethyl) ether	203-924-4	111-96-6	0.01	N.D.	N.D.
64	1,2-Dichloroethane	203-458-1	107-06-2	0.01	N.D.	N.D.
65	4-(1,1,3,3-tetramethylbutyl)phenol	205-426-2	140-66-9	0.01	N.D.	N.D.
66	2-Methoxyaniline; o-Anisidine	201-963-1	90-04-0	0.01	N.D.	N.D.
67	Bis(2-methoxyethyl) phthalate	204-212-6	117-82-8	0.01	N.D.	N.D.
68	Formaldehyde, oligomeric reaction products with aniline	500-036-1	25214-70-4	0.01	N.D.	N.D.
69	Pentazinc chromate octahydroxide*	256-418-0	49663-84-5	0.01	N.D.	N.D.
70	Potassium hydroxyoctaoxidizincatedi-chromate*	234-329-8	11103-86-9	0.01	N.D.	N.D.
71	Dichromium tris(chromate)*	246-356-2	24613-89-6	0.01	N.D.	N.D.
72	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme)	203-977-3	112-49-2	0.01	N.D.	N.D.
73	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME)	203-794-9	110-71-4	0.01	N.D.	N.D.
74	Diboron trioxide*	215-125-8	1303-86-2	0.01	N.D.	N.D.
75	Formamide	200-842-0	75-12-7	0.01	N.D.	N.D.
76	Lead(II) bis(methanesulfonate) *	401-750-5	17570-76-2	0.01	N.D.	N.D.
77	TGIC (1,3,5-tris(oxiranylmethyl)-1,3,5-triazine-2,4,6(1H,3H,5H)-trione)	219-514-3	2451-62-9	0.01	N.D.	N.D.
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	0.01	N.D.	N.D.

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					1# [▲]	2# [▲]
79	4,4'-bis(dimethylamino) benzophenone (Michler's ketone)	202-027-5	90-94-8	0.01	N.D.	N.D.
80	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base)	202-959-2	101-61-1	0.01	N.D.	N.D.
81	[4-[4,4'-bis(dimethylamino) benzhydrylidene]cyclohexa-2,5-dien-1-ylidene]dimethylammonium 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	0.01	N.D.	N.D.
82	[4-[[4-anilino-1-naphthyl][4-(dimethylamino)phenyl]methylene]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	0.01	N.D.	N.D.
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	0.01	N.D.	N.D.
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	0.01	N.D.	N.D.
85	Bis(pentabromophenyl) ether (DecaBDE)	214-604-9	1163-19-5	0.01	N.D.	N.D.
86	Pentacosfluorotridecanoic acid	276-745-2	72629-94-8	0.01	N.D.	N.D.
87	Tricosfluorododecanoic acids	206-203-2	307-55-1	0.01	N.D.	N.D.
88	Henicosfluoroundecanoic acid	218-165-4	2058-94-8	0.01	N.D.	N.D.
89	Heptacosfluorotetradecanoic acid	206-803-4	376-06-7	0.01	N.D.	N.D.
90	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated -covering well-defined substances and UVCB substances, polymers and homologues	---	---	0.01	N.D.	N.D.

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					1# [▲]	2# [▲]
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	---	---	0.01	N.D.	N.D.
92	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide))	204-650-8	123-77-3	0.01	N.D.	N.D.
93	Cyclohexane-1,2-dicarboxylic anhydride (Hexahydrophthalic anhydride - HHPA)	201-604-9	85-42-7	0.01	N.D.	N.D.
94	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	N.D.	N.D.
95	Methoxy acetic acid	210-894-6	625-45-6	0.01	N.D.	N.D.
96	1,2-Benzenedicarboxylic acid, dipentylester,branched and linear	284-032-2	84777-06-0	0.01	N.D.	N.D.
97	Diisopentylphthalate (DIPP)	210-088-4	605-50-5	0.01	N.D.	N.D.
98	N-pentyl-isopentyl phthalate	---	---	0.01	N.D.	N.D.
99	1,2-Diethoxyethane	211-076-1	629-14-1	0.01	N.D.	N.D.
100	N,N-dimethylformamide; dimethyl formamide	200-679-5	68-12-2	0.01	N.D.	N.D.
101	Dibutyltin dichloride (DBT)	211-670-0	683-18-1	0.01	N.D.	N.D.
102	Acetic acid, lead salt, basic*	257-175-3	51404-69-4	0.01	N.D.	N.D.
103	Basic lead carbonate (trilead bis(carbonate)dihydroxide)*	215-290-6	1319-46-6	0.01	N.D.	N.D.
104	Lead oxide sulfate (basic lead sulfate)*	234-853-7	12036-76-9	0.01	N.D.	N.D.
105	[Phthalato(2-)]dioxotrilead (dibasic lead phthalate)*	273-688-5	69011-06-9	0.01	N.D.	N.D.
106	Dioxobis(stearato)trilead*	235-702-8	12578-12-0	0.01	N.D.	N.D.
107	Fatty acids, C16-18, lead salts*	292-966-7	91031-62-8	0.01	N.D.	N.D.

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Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)	
					1# [▲]	2# [▲]
108	Lead bis(tetrafluoroborate)*	237-486-0	13814-96-5	0.01	N.D.	N.D.
109	Lead cyanamidate*	244-073-9	20837-86-9	0.01	N.D.	N.D.
110	Lead dinitrate*	233-245-9	10099-74-8	0.01	N.D.	N.D.
111	Lead oxide (lead monoxide)*	215-267-0	1317-36-8	0.01	N.D.	N.D.
112	Lead tetroxide (orange lead)*	215-235-6	1314-41-6	0.01	N.D.	N.D.
113	Lead titanium trioxide*	235-038-9	12060-00-3	0.01	N.D.	N.D.
114	Lead Titanium Zirconium Oxide*	235-727-4	12626-81-2	0.01	N.D.	N.D.
115	Pentalead tetraoxide sulphate*	235-067-7	12065-90-6	0.01	N.D.	N.D.
116	Pyrochlore, antimony lead yellow*	232-382-1	8012-00-8	0.01	N.D.	N.D.
117	Silicic acid, barium salt, lead-doped*	272-271-5	68784-75-8	0.01	N.D.	N.D.
118	Silicic acid, lead salt*	234-363-3	11120-22-2	0.01	N.D.	N.D.
119	Sulfurous acid, lead salt, dibasic*	263-467-1	62229-08-7	0.01	N.D.	N.D.
120	Tetraethyllead*	201-075-4	78-00-2	0.01	N.D.	N.D.
121	Tetralead trioxide sulphate*	235-380-9	12202-17-4	0.01	N.D.	N.D.
122	Trilead dioxide phosphonate*	235-252-2	12141-20-7	0.01	N.D.	N.D.
123	Furan	203-727-3	110-00-9	0.01	N.D.	N.D.
124	Propylene oxide; 1,2-epoxypropane; methyloxirane	200-879-2	75-56-9	0.01	N.D.	N.D.
125	Diethyl sulphate	200-589-6	64-67-5	0.01	N.D.	N.D.
126	Dimethyl sulphate	201-058-1	77-78-1	0.01	N.D.	N.D.
127	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	421-150-7	143860-04-2	0.01	N.D.	N.D.
128	Dinoseb	201-861-7	88-85-7	0.01	N.D.	N.D.
129	4,4'-methylenedi-o-toluidine	212-658-8	838-88-0	0.01	N.D.	N.D.
130	4,4'-oxydianiline and its salts	202-977-0	101-80-4	0.01	N.D.	N.D.
131	4-Aminoazobenzene	200-453-6	60-09-3	0.01	N.D.	N.D.
132	4-methyl-m-phenylenediamine (toluene -2,4 -diamine)	202-453-1	95-80-7	0.01	N.D.	N.D.

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					1# [▲]	2# [▲]
133	6-methoxy-m-toluidine (p-cresidine)	204-419-1	120-71-8	0.01	N.D.	N.D.
134	Biphenyl-4-ylamine	202-177-1	92-67-1	0.01	N.D.	N.D.
135	O-aminoazotoluene	202-591-2	97-56-3	0.01	N.D.	N.D.
136	O-Toluidine	202-429-0	95-53-4	0.01	N.D.	N.D.
137	N-methylacetamide	201-182-6	79-16-3	0.01	N.D.	N.D.
138	1-bromopropane(n-propyl bromide)	203-445-0	106-94-5	0.01	N.D.	N.D.
139	Cadmium*	231-152-8	7440-43-9	0.01	N.D.	N.D.
140	Cadmium oxide*	215-146-2	1306-19-0	0.01	N.D.	N.D.
141	Ammonium pentadecafluorooctanoate(APFO)	223-320-4	3825-26-1	0.01	N.D.	N.D.
142	Pentadecafluorooctanoic acid(PFOA)	206-397-9	335-67-1	0.01	N.D.	N.D.
143	Dipentyl phthalate(DPP)	205-017-9	131-18-0	0.01	N.D.	N.D.
144	4-Nonylphenol, branched and linear, ethoxylated	---	---	0.01	N.D.	N.D.
145	Cadmium sulphide*	215-147-8	1306-23-6	0.01	N.D.	N.D.
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	0.03	N.D.	N.D.
147	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'-biphenyl]-4-yl]azo]-5-hydroxy-6-(phenylazo)naphthalene-2,7-di sulphonate (C.I. Direct Black 38)	217-710-3	1937-37-7	0.03	N.D.	N.D.
148	Dihexyl phthalate	201-559-5	84-75-3	0.01	N.D.	N.D.
149	Imidazolidine-2-thione (2-imidazoline-2-thiol)	202-506-9	96-45-7	0.03	N.D.	N.D.
150	Lead di(acetate) *	206-104-4	301-04-2	0.01	N.D.	N.D.
151	Trixylyl phosphate	246-677-8	25155-23-1	0.01	N.D.	N.D.
152	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	271-093-5	68515-50-4	0.01	N.D.	N.D.

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Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)	
					1# [▲]	2# [▲]
153	Sodium perborate; perboric acid, sodium salt *	239-172-9 234-390-0	---	0.01	N.D.	N.D.
154	Sodium peroxometaborate*	231-556-4	7632-04-4	0.01	N.D.	N.D.
155	Cadmium chloride*	233-296-7	10108-64-2	0.01	N.D.	N.D.
156	Cadmium fluoride*	232-222-0	7790-79-6	0.01	N.D.	N.D.
157	Cadmium sulphate*	233-331-6	10124-36-4 31119-53-6	0.01	N.D.	N.D.
158	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	223-346-6	3846-71-7	0.01	N.D.	N.D.
159	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	247-384-8	25973-55-1	0.01	N.D.	N.D.
160	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE)	239-622-4	15571-58-1	0.01	N.D.	N.D.
161	Reaction mass of 2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate and 2-ethylhexyl 10-ethyl-4-[[2-[(2-ethylhexyl)oxy]-2-oxoethyl]thio]-4-octyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (reaction mass of DOTE and MOTE)	---	---	0.01	N.D.	N.D.
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	0.01	N.D.	N.D.
163	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	N.D.	N.D.
164	Nitrobenzene	202-716-0	98-95-3	0.01	N.D.	N.D.

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Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)	
					1# [▲]	2# [▲]
165	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl) phenol (UV-327)	223-383-8	3864-99-1	0.01	N.D.	N.D.
166	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	253-037-1	36437-37-3	0.01	N.D.	N.D.
167	1,3-propanesultone	214-317-9	1120-71-4	0.01	N.D.	N.D.
168	Perfluorononan-1-oic-acid and its sodium and ammonium saltspropanesultone	206-801-3	375-95-1 21049-39-8 4149-60-4	0.01	N.D.	N.D.
169	Benzo[a]pyrene	200-028-5	50-32-8	0.01	N.D.	N.D.
170	4,4'-isopropylidenediphenol (bisphenol A)	201-245-8	80-05-7	0.01	N.D.	N.D.
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	0.01	N.D.	N.D.
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	---	---	0.01	N.D.	N.D.
173	P-(1,1-dimethylpropyl)phenol	201-280-9	80-46-6	0.01	N.D.	N.D.
174	Perfluorohexane-1-sulphonic acid and its salts (PFHxS)	---	---	0.01	N.D.	N.D.
175	Dodecachloropentacyclo[12.2.1.16,9.02,13.0 5,10]octadeca-7,15-diene ("Dechlorane Plus" TM) covering any of its individual anti- and syn-isomers or any combination thereof	---	---	0.01	N.D.	N.D.
176	Benz[a]anthracene	200-280-6	56-55-3 1718-53-2	0.01	N.D.	N.D.
177	Cadmium nitrate*	233-710-6	10325-94-7, 10022-68-1	0.01	N.D.	N.D.
178	Cadmium carbonate*	208-168-9	513-78-0	0.01	N.D.	N.D.

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Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)	
					1# [▲]	2# [▲]
179	Cadmium hydroxide*	244-168-5	21041-95-2	0.01	N.D.	N.D.
180	Chrysene	205-923-4	218-01-9, 1719-03-5	0.01	N.D.	N.D.
181	Reaction products of 1,3,4-thiadiazolidine-2,5-dithione, formaldehyde and 4-heptylphenol, branched and linear (RP-HP) [with $\geq 0.1\%$ w/w 4-heptylphenol, branched and linear]	---	---	0.01	N.D.	N.D.
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride) (TMA)	209-008-0	552-30-7	0.01	N.D.	N.D.
183	Dicyclohexyl phthalate (DCHP)	201-545-9	84-61-7	0.01	N.D.	N.D.
184	Benzo[ghi]perylene	205-883-8	191-24-2	0.01	N.D.	N.D.
185	Decamethylcyclotetrasiloxane (D5)	208-764-9	541-02-6	0.01	N.D.	N.D.
186	Disodium octaborate*	234-541-0	12008-41-2	0.01	N.D.	N.D.
187	Dodecamethylcyclohexasiloxane (D6)	208-762-8	540-97-6	0.01	N.D.	N.D.
188	Ethylenediamine	203-468-6	107-15-3	0.01	N.D.	N.D.
189	Lead	231-100-4	7439-92-1	0.01	N.D.	N.D.
190	Octamethylcyclotetrasiloxane (D4)	209-136-7	556-67-2	0.01	N.D.	N.D.
191	Terphenyl hydrogenated	262-967-7	61788-32-7	0.01	N.D.	N.D.
192	Pyrene	204-927-3	129-00-0; 1718-52-1	0.01	N.D.	N.D.
193	Phenanthrene	201-581-5	85-01-8	0.01	N.D.	N.D.
194	Fluoranthene	205-912-4	206-44-0; 93951-69-0	0.01	N.D.	N.D.
195	Benzo[k]fluoranthene	205-916-6	207-08-9	0.01	N.D.	N.D.
196	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	401-720-1	6807-17-6	0.01	N.D.	N.D.
197	1,7,7-trimethyl-3-(phenylmethylene) bicyclo [2.2.1]heptan-2-one(3-benzylidene camphor; 3-BC)	239-139-9	15087-24-8	0.01	N.D.	N.D.
198	4-tert-butylphenol(PTBP)	202-679-0	98-54-4	0.01	N.D.	N.D.

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Seq.	Test Item(s)	EC. No.	CAS No.	MDL (%)	Test Results (%)	
					1# [▲]	2# [▲]
199	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)	---	---	0.01	N.D.	N.D.
200	2-methoxyethyl acetate	203-772-9	110-49-6	0.01	N.D.	N.D.
201	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	---	---	0.01	N.D.	N.D.
202	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	404-360-3	119313-12-1	0.01	N.D.	N.D.
203	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	400-600-6	71868-10-5	0.01	N.D.	N.D.
204	Diisohexyl phthalate	276-090-2	71850-09-4	0.01	N.D.	N.D.
205	Perfluorobutane sulfonic acid (PFBS) and its salts	---	---	0.01	N.D.	N.D.
206	1-vinylimidazole	214-012-0	1072-63-5	0.01	N.D.	N.D.
207	2-methylimidazole	211-765-7	693-98-1	0.01	N.D.	N.D.
208	butyl 4-hydroxybenzoate	202-318-7	94-26-8	0.01	N.D.	N.D.
209	Dibutylbis(pentane-2,4-dionato-O,O')tin	245-152-0	22673-19-4	0.01	N.D.	N.D.

- 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, STQ Testing Services Co., Ltd.

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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 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 hydroxyoctaoxidizincatedi-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 cyanamide, 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 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 Ceramic 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 $\geq 0.1\%$ (weight / weight);

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

6) ^ As the client required, the sample was tested in mixture.

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PRODUCT PHOTO



***** 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. 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.
3. The delivery and return fee of the samples which need to do testing at STQ should be paid by the client. STQ will not bear the responsibility for the testing error that is caused by transporting, packaging and labelling.
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 ZOTAC, 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;
 - 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.

STQ Testing Services Co., Ltd.

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Technical service: TS@stq-cert.com

Customer service: CS@stq-cert.com



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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 report is(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 only for 7 days.

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