

Report No.: 168469760b 001 Page 1 of 16

Client: FLASHBAY ELECTRONICS

Contact Information: Building2, Jixun Industrial Park, Xinjiao, Dong'ao Village, Shatian Town, Huiyang District, Huizhou City, Guangdong Province, P. R. China

Test item(s): 17 materials

**Identification/
Model No(s):** Lanyard - Access / AS, Conference /CON, Summit/SUM

Sample obtaining method: Sending by customer

Condition at delivery: Test item complete and undamaged.

Sample Receiving date: 2024-01-31

Testing Period: 2024-02-01 to 2024-02-05

Place of testing: Chemical laboratory Shenzhen


Test Specification:

1. Risk Assessment of Articles: Screening of substances of very high concern (SVHC) subject to the candidate list by European Chemical Agency (ECHA) according to Regulation (EC) No 1907/2006 and its amendments.

Test result:

SVHC concentration(s) < 0.1%

For and on behalf of
TÜV Rheinland (Shenzhen) Co., Ltd.



2024-02-23

Alvin Huang / Senior Project Engineer

Date

Name/Position

Sample information is provided by customer. Test result is drawn according to the kind and extent of tests performed.
This test report relates to the above mentioned test sample. Without permission of the test center this test report is not permitted to be duplicated in extracts. This test report does not entitle to carry any safety mark on this or similar products.
"Decision Rule" document announced in our website (<https://www.tuv.com/landingpage/en/qm-gcn/>) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report.

Test Report No.: 168469760b 001

Page 2 of 16

Material List:

Item: Lanyard - Access / AS, Conference /CON, Summit/SUM

Material No.	Material	Color	Location
M001	Textile + printing	White/ red/ grey	Refer to photo
M002	Plastic	Black	Refer to photo
M003	Plastic	Black	Refer to photo
M004	Plastic	Black	Refer to photo
M005	Metal	Silvery	Refer to photo
M006	Metal	Silvery	Refer to photo
M007	Metal	Silvery	Refer to photo
M008	Textile	Black	Refer to photo
M009	Plastic	White	Refer to photo
M010	Metal + plating	Silvery/ black	Refer to photo
M011	Metal	Silvery	Refer to photo
M012	Metal	Silvery	Refer to photo
M013	Metal	Silvery	Refer to photo
M014	Metal	Silvery	Refer to photo
M015	Metal	Silvery	Refer to photo
M016	Textile + printing	Brown/ black	Refer to photo
M017	Textile + printing	Brown/ black	Refer to photo

Test Report No.: 168469760b 001

Page 3 of 16

1. Screening of substances of very high concern (SVHC) subject to the candidate list by European Chemical Agency (ECHA) according to Regulation (EC) No 1907/2006 and its amendments

Obligation of Importer is necessary if the detected SVHC concentration in article level is >0.1%:

 To communicate information down the supply chain according to article. 33 of Regulation (EC) No 1907/2006. **OR**

1. Notification to ECHA, if the quantities of SVHC in the produced/imported articles are above 1 ton in total per year per company.
2. Provide sufficient information to ensure safe use of the article and, as a minimum, include the name of the substance, to their customers and on request to consumers within 45 days of the receipt of this request.

 Test Method:

- 1) SVOC: organic solvent extraction, determination by GC-MS/ECD
- 2) VOC: organic solvent extraction, determination by GC-MS
- 3) VVOC: headspace-GC/MS analysis
- 4) non-VOC: organic solvent extraction, determination by LC-MS/MS.
- 5) inorganics: acid digestion, determination by ICP-OES

Test Results:

Test No.	Material No.	Result (%)
T001	M001 + M002 + M003 + M004 + M008 + M009 + M016 + M017	< RL
T002	M005 + M006 + M007 + M010 + M011 + M012 + M013 + M014 + M015	< RL

Abbreviation:

< = Less than
 RL = Reporting Limit
 % = Percentage

Test Report No.: 168469760b 001

Page 4 of 16

Remark:

(*1) The reporting limit for each individual SVHC in Candidate List by ECHA:

	Substances	CAS No.	Reporting Limit
1	4,4'- Diaminodiphenylmethane (A9)	101-77-9	0.01%
2	Benzyl butyl phthalate (BBP)	85-68-7	0.01%
3	Bis (2-ethylhexyl)phthalate (DEHP)	117-81-7	0.01%
4	Dibutyl phthalate (DBP)	84-74-2	0.01%
5	Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified: Alpha-hexabromocyclododecane Beta-hexabromocyclododecane Gamma-hexabromocyclododecane	25637-99-4 / 3194-55-6 / 134237-50-6 / 134237-51-7 / 134237-52-8	0.01%
6	5-tert-butyl-2,4,6-trinitro-m-xylene (Musk xylene)	81-15-2	0.01%
7	2,4-Dinitrotoluene (2,4-DNT)	121-14-2	0.01%
8	Diisobutyl phthalate (DIBP)	84-69-5	0.01%
9	Tris(2-chloroethyl)phosphate (TCEP)	115-96-8	0.01%
10	Diarsenic pentaoxide (*2)	1303-28-2	0.01%
11	Diarsenic trioxide (*2)	1327-53-3	0.01%
12	Lead chromate (*2) (*3)	7758-97-6	0.01%
13	Lead chromate molybdate sulphate red (C.I. Pigment Red 104) (*2) (*3)	12656-85-8	0.01%
14	Lead sulfochromate yellow (C.I. Pigment Yellow 34) (*2)	1344-37-2	0.01%
15	Trichloroethylene	79-01-6	0.01%
16	Chromium trioxide (*2)	1333-82-0	0.01%
17	Acids generated from chromium trioxide and their oligomers. Names of the acids and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid. (*2)	7738-94-5 / 13530-68-2	0.01%
18	Sodium dichromate) (*2) (*3)	7789-12-0 / 10588-01-9	0.01%
19	Potassium dichromate (*2) (*3)	7778-50-9	0.01%
20	Ammonium dichromate (*2) (*3)	7789-09-5	0.01%
21	Potassium chromate (*2) (*3)	7789-00-6	0.01%
22	Sodium chromate (*2) (*3)	7775-11-3	0.01%
23	Formaldehyde, oligomeric reaction products with aniline (technical MDA) (*10)	25214-70-4	0.01%
24	1,2-Dichloroethane (1,2-DCE)	107-06-2	0.01%
25	Bis(2-methoxyethyl) ether (DEGDB)	111-96-6	0.01%
26	Arsenic acid (*2)	7778-39-4	0.01%
27	2,2'-dichloro-4,4'-methylenedianiline (MOCA)	101-14-4	0.01%
28	Dichromium tris(chromate) (*2) (*3)	24613-89-6	0.01%

Test Report No.: 168469760b 001

Page 5 of 16

	Substances	CAS No.	Reporting Limit
29	Strontium chromate (*2) (*3)	7789-06-2	0.01%
30	Potassium hydroxyoctaoxidizincatedichromate (*2) (*3)	11103-86-9	0.01%
31	Pentazinc chromate octahydroxide (*2) (*3)	49663-84-5	0.01%
32	1-bromopropane (n-propyl bromide)	106-94-5	0.01%
33	Diisopentylphthalate	605-50-5	0.01%
34	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP)	71888-89-6	0.01%
35	1,2-Benzenedicarboxylic acid, di-C7-11-branched and linear alkyl esters (DHNUF)	68515-42-4	0.01%
36	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear	84777-06-0	0.01%
37	Bis(2-methoxyethyl) phthalate	117-82-8	0.01%
38	Dipentyl phthalate (DPP)	131-18-0	0.01%
39	N-pentyl-isopentylphthalate	776297-69-9	0.01%
40	Anthracene oil (*6)	90640-80-5	0.01%(*7)
41	Pitch, coal tar, high temperature (*6)	65996-93-2	0.01%(*7)
42	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated (OPEO) <i>[covering well-defined substances and UVCB substances, polymers and homologues]</i>	-	0.01%
43	4-Nonylphenol, branched and linear <i>[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]</i>	-	0.01%
44	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear	68515-50-4	0.01%
45	Dihexyl phthalate	84-75-3	0.01%
46	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with ≥ 0.3% of dihexyl phthalate (EC No. 201-559-5)	68515-51-5 / 68648-93-1	0.01%
47	Trixylyl phosphate	25155-23-1	0.01%
48	Sodium perborate, perboric acid, sodium salt (*2) (*5)	-	0.01%
49	Sodium peroxometaborate (*2) (*5)	7632-04-4	0.01%
50	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%
51	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)	25973-55-1	0.01%
52	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327)	3864-99-1	0.01%
53	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350)	36437-37-3	0.01%
54	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320)	3846-71-7	0.01%
55	Anthracene	120-12-7	0.01%
56	Bis(tributyltin) oxide (TBTO) (*4)	56-35-9	0.01%
57	Triethyl arsenate (*2)	15606-95-8	0.01%
58	Lead hydrogen arsenate (*2)	7784-40-9	0.01%

Test Report No.: 168469760b 001

Page 6 of 16

	Substances	CAS No.	Reporting Limit
59	Cobalt dichloride (*2)	7646-79-9	0.01%
60	Acrylamide	79-06-1	0.01%
61	Anthracene oil, anthracene paste, distr. lights (*6)	91995-17-4	0.01% (*7)
62	Anthracene oil, anthracene paste, anthracene fraction (*6)	91995-15-2	
63	Anthracene oil, anthracene-low (*6)	90640-82-7	
64	Anthracene oil, anthracene paste (*6)	90640-81-6	
65	Boric acid (*2) (*5)	10043-35-3 / 11113-50-1	0.01%
66	Disodium tetraborate, anhydrous (*2) (*5)	1303-96-4 / 1330-43-4 / 12179-04-3	0.01%
67	Tetraboron disodium heptaoxide, hydrate (*2) (*5)	12267-73-1	0.01%
68	2-Methoxyethanol	109-86-4	0.01%
69	2-Ethoxyethanol	110-80-5	0.01%
70	Cobalt(II) sulphate (*2)	10124-43-3	0.01%
71	Cobalt(II) dinitrate (*2)	10141-05-6	0.01%
72	Cobalt(II) carbonate (*2)	513-79-1	0.01%
73	Cobalt(II) diacetate (*2)	71-48-7	0.01%
74	Alkanes C10-C13, chloro (Short Chain Chlorinated Paraffins) (SCCP)	85535-84-8	0.01%
75	2-Ethoxyethyl acetate	111-15-9	0.01%
76	Hydrazine	302-01-2 / 7803-57-8	0.01%
77	1-Methyl-2-pyrrolidone (NMP)	872-50-4	0.01%
78	1,2,3-Trichloropropane	96-18-4	0.01%
79	Aluminosilicate Refractory Ceramic Fibres (RCF) (*8)	-	0.01%
80	Zirconia Aluminosilicate Refractory Ceramic Fibres (Zr-RCF) (*8)	-	0.01%
81	2-Methoxyaniline, o-Anisidine	90-04-0	0.01%
82	4-(1,1,3,3-tetramethylbutyl)phenol	140-66-9	0.01%
83	Calcium arsenate (*2)	7778-44-1	0.01%
84	Trilead diarsenate (*2)	3687-31-8	0.01%
85	N,N-dimethylacetamide (DMAC)	127-19-5	0.01%
86	Phenolphthalein	77-09-8	0.01%
87	Lead dipicrate (*2)	6477-64-1	0.01%
88	Lead diazide, Lead azide (*2)	13424-46-9	0.01%
89	Lead styphnate (*2)	15245-44-0	0.01%
90	1,2-bis(2-methoxyethoxy)ethane (TEGDME, triglyme)	112-49-2	0.01%
91	1,2-dimethoxyethane, ethylene glycol dimethyl ether (EGDME)	110-71-4	0.01%
92	Diboron trioxide (*2) (*5)	1303-86-2	0.01%
93	Formamide (FOR)	75-12-7	0.01%
94	Lead(II) bis(methanesulfonate) (*2)	17570-76-2	0.01%
95	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6-trione (TGIC)	2451-62-9	0.01%
96	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine-2,4,6-(1H,3H,5H)-trione (β -TGIC)	59653-74-6	

Test Report No.: 168469760b 001

Page 7 of 16

	Substances	CAS No.	Reporting Limit
97	4,4'-bis(dimethylamino)benzophenone (Michler's ketone), MK	90-94-8	0.01%
98	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (Michler's base), RMK	101-61-1	0.01%
99	[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)] (*2)	2580-56-5	0.01%
100	[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)] (*9)	548-62-9	
101	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)] (*9)	561-41-1	
102	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)] (*9)	6786-83-0	
103	Bis(pentabromophenyl) ether (decabromodiphenyl ether) (DecaBDE)	1163-19-5	0.01%
104	Pentacosafuorotridecanoic acid	72629-94-8	0.01%
105	Tricosafuorododecanoic acid	307-55-1	0.01%
106	Henicosafuoroundecanoic acid	2058-94-8	0.01%
107	Heptacosafuorotetradecanoic acid	376-06-7	0.01%
108	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (ADCA) (*11)	123-77-3	0.05%
109	Cyclohexane-1,2-dicarboxylic anhydride [1], cis-cyclohexane-1,2-dicarboxylic anhydride [2], trans-cyclohexane-1,2-dicarboxylic anhydride [3] [The individual cis- [2] and trans- [3] isomer substances and all possible combinations of the cis- and trans-isomers [1] are covered by this entry]	85-42-7 / 13149-00-3 / 14166-21-3	0.01%
110	Hexahydromethylphthalic anhydride (MHHPA) [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans-stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry]	25550-51-0 / 19438-60-9 / 48122-14-1 / 57110-29-9	0.01%
111	N,N-dimethylformamide (DMF)	68-12-2	0.01%
112	1,2-Diethoxyethane	629-14-1	0.01%
113	Diethyl sulphate	64-67-5	0.01%
114	Methoxyacetic acid (MAA)	625-45-6	0.01%
115	Dimethyl sulphate	77-78-1	0.01%
116	N-methylacetamide	79-16-3	0.01%
117	Furan	110-00-9	0.01%

Test Report No.: 168469760b 001

Page 8 of 16

	Substances	CAS No.	Reporting Limit
118	Methyloxirane (Propylene oxide)	75-56-9	0.01%
119	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine	143860-04-2	0.01%
120	Dibutyltin dichloride (DBTC) (*15)	683-18-1	0.01%
121	Dinoseb (6-sec-butyl-2,4-dinitrophenol)	88-85-7	0.01%
122	4,4'-methylenedi-o-toluidine	838-88-0	0.01%
123	4,4'-oxydianiline and its salts	101-80-4	0.01%
124	4-Aminoazobenzene	60-09-3	0.01%
125	4-methyl-m-phenylenediamine (toluene-2,4-diamine)	95-80-7	0.01%
126	6-methoxy-m-toluidine (p-cresidine)	120-71-8	0.01%
127	Biphenyl-4-ylamine	92-67-1	0.01%
128	o-aminoazotoluene	97-56-3	0.01%
129	o-Toluidine	95-53-4	0.01%
130	Acetic acid, lead salt, basic (*2)	51404-69-4	0.01%
131	Trilead bis(carbonate) dihydroxide (*2)	1319-46-6	0.01%
132	Lead oxide sulfate (*2)	12036-76-9	0.01%
133	[Phthalato(2-)]dioxotrilead (*2)	69011-06-9	0.01%
134	Dioxobis(stearato)trilead (*2)	12578-12-0	0.01%
135	Fatty acids, C16-18, lead salts (*2)	91031-62-8	0.01%
136	Lead bis(tetrafluoroborate) (*2)	13814-96-5	0.01%
137	Lead cyanamidate (*2)	20837-86-9	0.01%
138	Lead dinitrate (*2)	10099-74-8	0.01%
139	Lead monoxide (lead oxide) (*2)	1317-36-8	0.01%
140	Orange lead (lead tetroxide) (*2)	1314-41-6	0.01%
141	Lead titanium trioxide (*2)	12060-00-3	0.01%
142	Lead titanium zirconium oxide (*2)	12626-81-2	0.01%
143	Pyrochlore, antimony lead yellow (*2)	8012-00-8	0.01%
144	Pentalead tetraoxide sulphate (*2)	12065-90-6	0.01%
145	Silicic acid (H ₂ Si ₂ O ₅), barium salt (1:1), lead-doped [with lead (Pb) content above the applicable generic concentration limit for 'toxicity for reproduction' Repr. 1A (CLP) or category 1 (DSD), the substance is a member of the group entry of lead compounds, with index number 082-001-00-6 in Regulation (EC) No 1272/2008] (*2)	68784-75-8	0.01%
146	Silicic acid, lead salt (*2)	11120-22-2	0.01%
147	Sulfurous acid, lead salt, dibasic (*2)	62229-08-7	0.01%
148	Tetraethyllead (*2)	78-00-2	0.01%
149	Tetralead trioxide sulphate (*2)	12202-17-4	0.01%
150	Trilead dioxide phosphonate (*2)	12141-20-7	0.01%
151	Ammonium pentadecafluorooctanoate (APFO) (*12)	3825-26-1	0.01%
152	Pentadecafluorooctanoic acid (PFOA)	335-67-1	0.01%
153	Cadmium (*2)	7440-43-9	0.01%
154	Cadmium oxide (*2)	1306-19-0	0.01%

Test Report No.: 168469760b 001

Page 9 of 16

	Substances	CAS No.	Reporting Limit
155	4-Nonylphenol, branched and linear, ethoxylated (NPEO) [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well-defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	-	0.01%
156	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	96-45-7	0.01%
157	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28)	573-58-0	0.01%
158	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	0.01%
159	Lead di(acetate) (*2)	301-04-2	0.01%
160	Cadmium sulphide (*2)	1306-23-6	0.01%
161	Cadmium chloride (*2)	10108-64-2	0.01%
162	Cadmium fluoride (*2)	7790-79-6	0.01%
163	Cadmium sulphate (*2)	10124-36-4 / 31119-53-6	0.01%
164	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) (*13)	15571-58-1	0.01%
165	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) (*14)	-	0.01%
166	1,3-propanesultone (1,3-PS)	1120-71-4	0.01%
167	Nitrobenzene	98-95-3	0.01%
168	Perfluorononan-1-ic-acid and its sodium and ammonium salts	375-95-1 / 21049-39-8 / 4149-60-4 /	0.01%
169	Benzo[def]chrysene (Benzo[a]pyrene)	50-32-8	0.01%
170	4,4'-isopropylidenediphenol (bisphenol A) (BPA)	80-05-7	0.01%
171	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts	335-76-2 / 3830-45-3 / 3108-42-7	0.01%
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%
173	p-(1,1-dimethylpropyl)phenol	80-46-6	0.01%
174	Perfluorohexane-1-sulfonic acid and its salts (PFHxS)	-	0.01%
175	Chrysene	218-01-9	0.01%
176	Benzo[a]anthracene	56-55-3	0.01%
177	Cadmium nitrate(*2)	10325-94-7	0.01%
178	Cadmium hydroxide(*2)	21041-95-2	0.01%

Test Report No.: 168469760b 001

Page 10 of 16

	Substances	CAS No.	Reporting Limit
179	Cadmium carbonate(*2)	513-78-0	0.01%
180	1,6,7,8,9,14,15,16,17,17,18,18-Dodecachloropentacyclo[12.2.1.1 ^{6,9} .0 ^{2,13} .0 ^{5,10}]octadeca-7,15-diene ("Dechlorane Plus"™) [covering any of its individual anti- and syn-isomers or any combination thereof]	-	0.01%
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]	-	0.01%
182	Benzene-1,2,4-tricarboxylic acid 1,2 anhydride (trimellitic anhydride, TMA)	552-30-7	0.01%
183	Dicyclohexyl phthalate (DCHP)	84-61-7	0.01%
184	Terphenyl, hydrogenated	61788-32-7	0.01%
185	Octamethylcyclotetrasiloxane (D4)	556-67-2	0.01%
186	Decamethylcyclopentasiloxane (D5)	541-02-6	0.01%
187	Dodecamethylcyclohexasiloxane (D6)	540-97-6	0.01%
188	Ethylenediamine (EDA)	107-15-3	0.01%
189	Lead (*2)	7439-92-1	0.01%
190	Disodium octaborate(*2) (*5)	12008-41-2	0.01%
191	Benzo[ghi]perylene	191-24-2	0.01%
192	2,2-bis(4'-hydroxyphenyl)-4-methylpentane	6807-17-6	0.01%
193	Benzo[k]fluoranthene	207-08-9	0.01%
194	Fluoranthene	206-44-0	0.01%
195	Phenanthrene	85-01-8	0.01%
196	Pyrene	129-00-0	0.01%
197	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan- 2-one	15087-24-8	0.01%
198	2-methoxyethyl acetate	110-49-6	0.01%
199	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with ≥ 0.1% w/w of 4-nonylphenol, branched and linear (4-NP)	-	0.01%
200	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%
201	4-tert-butylphenol (PTBP)	98-54-4	0.01%
202	Diisohexyl phthalate (DiHexP)	71850-09-4	0.01%
203	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone	119313-12-1	0.01%
204	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one	71868-10-5	0.01%
205	Perfluorobutane sulfonic acid (PFBS) and its salts	-	0.01%
206	1-vinylimidazole	1072-63-5	0.01%
207	2-methylimidazole	693-98-1	0.01%
208	Butyl 4-hydroxybenzoate	94-26-8	0.01%
209	Dibutylbis(pentane-2,4-dionato-O,O')tin(*15)	22673-19-4	0.01%
210	Bis(2-(2-methoxyethoxy)ethyl)ether	143-24-8	0.01%
211	Diocetyl tin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety (*13)	-	0.01%

Test Report No.: 168469760b 001

Page 11 of 16

	Substances	CAS No.	Reporting Limit
212	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.01%
213	Orthoboric acid, sodium salt (*2) (*5)	13840-56-7	0.01%
214	2,2-bis(bromomethyl)propane-1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	3296-90-0 / 36483-57-5 / 1522-92-5 / 96-13-9	0.01%
215	Glutaral	111-30-8	0.01%
216	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	-	0.01%
217	Phenol, alkylation products (mainly in para position) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/ or combinations thereof (PDDP)	-	0.01%
218	1,4-dioxane	123-91-1	0.01%
219	4,4'-(1-methylpropylidene)bisphenol	77-40-7	0.01%
220	tris(2-methoxyethoxy)vinylsilane	1067-53-4	0.01%
221	S-(tricyclo(5.2.1.0'2,6)deca-3-en-8(or 9)-yl O-(isopropyl or isobutyl or 2-ethylhexyl) O-(isopropyl or isobutyl or 2-ethylhexyl) phosphorodithioate	255881-94-8	0.01%
222	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (DBMC)	119-47-1	0.01%
223	(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one covering any of the individual isomers and/or combinations thereof (4-MBC) (3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1R,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1S,3Z,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one (1R,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1S,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one (1R,3Z,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one	- 1782069-81-1 95342-41-9 852541-25-4 36861-47-9 741687-98-9 852541-30-1 852541-21-0	0.01%
224	N-(hydroxymethyl)acrylamide	924-42-5	0.01%
225	1,1'-[ethane-1,2-diylbis(oxy)]bis[2,4,6-tribromobenzene]	37853-59-1	0.01%
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (TBBPA)	79-94-7	0.01%
227	4,4'-sulphonyldiphenol	80-09-1	0.01%
228	Barium diboron tetraoxide(*2) (*5)	13701-59-2	0.01%

Test Report No.: 168469760b 001

Page 12 of 16

	Substances	CAS No.	Reporting Limit
229	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	-	0.01%
230	Isobutyl 4-hydroxybenzoate	4247-02-3	0.01%
231	Melamine	108-78-1	0.01%
232	Perfluoroheptanoic acid and its salts	-	0.01%
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	-	0.01%
234	bis(4-chlorophenyl) sulphone	80-07-9	0.01%
235	Diphenyl(2,4,6-trimethylbenzoyl)phosphine oxide (TPO)	75980-60-8	0.01%
236	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol Phenol, methylstyrenated EC / List no: 270-966-8 CAS no: 68512-30-1	-	0.01%
237	Bumetrizole	3896-11-5	0.01%
238	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one	119344-86-4	0.01%
239	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329)	3147-75-9	0.01%
240	2,4,6-tri-tert-butylphenol	732-26-3	0.01%

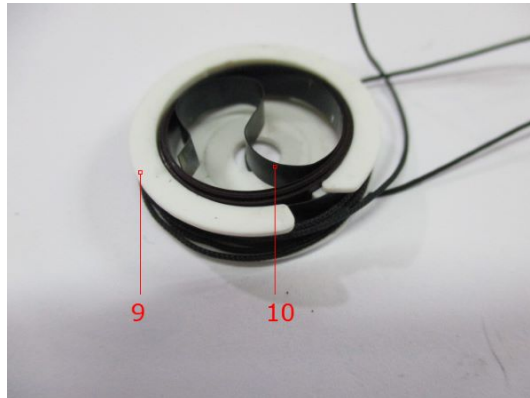
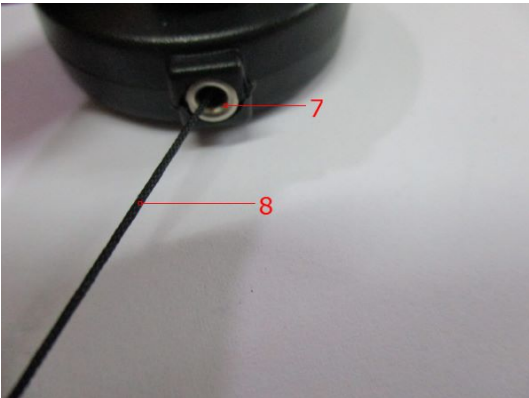
- (*2) The substances are tested and calculated in terms of its respective elements and to the worst-case scenario. The report states the theoretical value of SVHC substances without consideration of the actual occurrence in the article.
- (*3) The substances are tested and calculated in terms of Cr (VI).
- (*4) The substance is tested and calculated in terms of Tributyl tin.
- (*5) The substances are tested and calculated in terms of boron element and the boron element may come from the compounds other than SVHCs.
- (*6) The substances are UVCB (substance of unknown or variable composition, complex reaction products or biological materials), which are identified by its main constituents.
- (*7) Individual concentrations to the constituent of UVCB with an amount of < 0.01% were not considered by the calculation of the sum.
- (*8) The test results are based on microscopic and chemical evaluation.
- (*9) The substances are quantified in terms of Michler's ketone and Michler's base by LC-MS, as Michler's ketone or Michler's base was found exceeds 0.01%.

Test Report No.: 168469760b 001

Page 13 of 16

- (*10) The content oligomer is determined by Py-GC/MS.
- (*11) The content of diazene-1,2-dicarboxamide is analyzed in terms of its breakdown product.
- (*12) The substance is tested in terms of pentadecafluorooctanoate.
- (*13) The substance is tested and calculated in terms of Dioctyl tin.
- (*14) The substance is tested and calculated in terms of Monoctyl tin and Dioctyl tin.
- (*15) The substance is tested and calculated in terms of Dibutyl tin
- (*16) The tested material(s) was/were screened only for selected SVHCs. Selection of tests refers to the material type and application and the possibility of contamination during production & material specific contamination of the product.
- (*17) The other SVHCs which are not mentioned in test result were either not subject to testing according to remark *16 or than report limit.

Sample Photos



Sample Photos



Product



Product



Product

Sample Photos



Product



Product

- END -

General Terms and Conditions of Business of TÜV Rheinland in Greater China

1. **Scope**
 - 1.1 These General Terms and Conditions of Business of TÜV Rheinland in Greater China ("GTBC") is made between the client and one or more member entities of TÜV Rheinland in Greater China as applicable as the case may be ("TÜV Rheinland"). The Greater China here refers to Mainland China, Hong Kong and Taiwan. The client hereof includes
 - (i) a natural person capable of forming legal contracts under the applicable laws who concludes the contract not for the purpose of a daily use;
 - (ii) the incorporated or unincorporated entity duly organized, validly existing and capable to form legally binding contracts under the applicable law.
 - 1.2 The following terms and conditions apply to agreed services including consultancy services, information, deliveries and similar services as well as ancillary services and other secondary obligations provided within the scope of contract performance.
 - 1.3 Any standard terms and conditions of the client of any nature shall not apply and shall hereby be expressly excluded. No other contractual terms and conditions of the client shall form part of the contract even if TÜV Rheinland does not explicitly object to them.
 - 1.4 In the event of an ongoing business relationship with the client, this GTBC shall also apply to future contracts with the client without TÜV Rheinland having to refer to them separately in each individual case.
 2. **Quotations**
 - 2.1 Unless otherwise agreed, all quotations submitted by TÜV Rheinland can be changed by TÜV Rheinland without notice prior to its acceptance and confirmation by the other party.
 3. **Coming into effect and duration of contracts**
 - 3.1 The contract shall come into effect for the agreed terms upon the quotation letter of TÜV Rheinland or a separate contractual document being signed by both contracting parties, or upon the request by the client being carried out by TÜV Rheinland. If the client instructs TÜV Rheinland without receiving a quotation from TÜV Rheinland to proceed with the work, it is its sole discretion, entitled to accept the order by giving written notice of such acceptance (including notice sent via electronic means) or by performing the requested service.
 - 3.2 The contract term starts upon the coming into effect of the contract in accordance with article 3.1 and shall continue for the term agreed in the contract.
 - 3.3 If the contract provides for a contract term, the contract term will be extended by the term provided for in the contract unless terminated in writing by either party with a three-month notice prior to the end of the contractual term.
 4. **Scope of services**
 - 4.1 The scope and type of the services to be provided by TÜV Rheinland shall be specified in the contractually agreed service scope of TÜV Rheinland by both parties. If no such separate service scope of TÜV Rheinland exists, then the written contract or order by TÜV Rheinland shall be decisive for the service to be provided. Unless otherwise agreed, services beyond the scope of the service description (e.g. checking the correctness and functionality of parts, process, process, and installations, organizations not listed in the service description, as well as the intended use and application of such) are not covered. In particular, no responsibility is assumed for the design, selection of materials, construction and use of an examined part, process, process or plant, unless this is expressly stated in the order.
 - 4.2 The agreed services shall be performed in compliance with the regulations in force at the time the contract is entered into.
 - 4.3 TÜV Rheinland is entitled to determine, in its sole discretion, the method and nature of the assessment unless otherwise agreed in writing or if mandatory provisions require a specific procedure to be followed.
 - 4.4 On execution of the work there shall be no simultaneous assumption of any guarantee of the correctness (regarding quality and working order) of either tested or examined parts nor of the installation as a whole and its upstream and/or downstream processes, organizations, use and application with regard to regulations, nor of the systems on which the installation is based. In particular, TÜV Rheinland shall assume no responsibility for the construction, selection of materials and assembly of installations examined, nor for their use and application in accordance with regulations, unless these questions are expressly covered by the contract.
 - 4.5 In the case of inspection work, TÜV Rheinland shall not be responsible for the accuracy or checking of the safety regulations and/or safety requirements for the agreed service scope unless otherwise expressly agreed in writing.
 - 4.6 If mandatory legal regulations and standards or official requirements for the agreed service scope affect the contract, written notice to the client, TÜV Rheinland shall be sent to the client to add additional remuneration for resulting additional expenses.
 - 4.7 The services to be provided by TÜV Rheinland under the contract are agreed exclusively with the client. A contract of third parties with the services of TÜV Rheinland, as well as making available of a justifying confidence in the work results (test reports, result reports, expert reports, etc.) is not part of the agreed services under the contract. The client shall not be held liable for any extracts - to third parties in accordance with clause 11.4.
 - 4.8 The client understands and agrees that in order to perform the contract with TÜV Rheinland, the client may need to sign contracts or other agreements with a third party(ies) and establish legal relationships with that/those third party(ies) according to such contractual agreements. TÜV Rheinland shall not be held liable for the legal liability according to this contract and the direct services actually to be provided by our company in the service process. If the relevant services are not directly provided by TÜV Rheinland (including but not limited to any testing and/or testing and/or certification services, including but not limited to the bodies), TÜV Rheinland will provide the client as agent for such relevant services. In order to achieve the purpose of the contract, the client hereby agrees that TÜV Rheinland can also subcontract to a third party (and/or subcontractors) the relevant services, including but not limited to responsibility and/or risk for any services to be provided by any third parties (including but not limited to the testing and/or certification services to be entrusted and/or applied for by our company on behalf of the client for third testing and/or certification bodies or agency services provided by any other third party(ies)). Besides, the client shall be liable in accordance with the relevant laws and regulations actually in force at the time of the contract for the client's own contract annual review/surveillance of the relevant testing and/or certification service results and pay additional fees in accordance with the relevant laws and regulations or the testing and certification rules, such as not in compliance with the contract, the client shall not be held liable for the obligation of such annual review/surveillance and pay the corresponding fees. If the client fails to perform such obligations of the annual review/surveillance or fees payment, it may lead to adverse consequences such as suspension/revocation of the client's approval certificates, etc. TÜV Rheinland is entitled to postpone performance for a reasonable period of time which corresponds at least to the duration of the hindrance plus any time period which may be required to resume performance.
 - 4.9 For the services covered in the contract, if the client requires TÜV Rheinland to deliver relevant test samples, data, etc. to any overseas laboratory or other places or sites to be designated by the client, TÜV Rheinland shall not bear any responsibilities or risks for any problems during such delivery and the transportation and handling of such test samples and/or the materials, etc. Besides, the relevant freight fees shall be borne by the client.
 5. **Performance periods/dates**
 - 5.1 The contractually agreed periods/dates of performance are based on estimates of the work involved which are prepared in line with the details provided by the client. They shall only be binding if being confirmed as binding by TÜV Rheinland in writing.
 - 5.2 If binding periods of performance have been agreed, these periods shall not commence until the client has submitted all required documents to TÜV Rheinland.
 - 5.3 Articles 5.1 and 5.2 also apply, even without express agreement by the client, to all extensions of agreed periods of performance of TÜV Rheinland.
 - 5.4 TÜV Rheinland is not responsible for a delay in performance, in particular if the client has not fulfilled his duties to cooperate in accordance with the contract. If the client has not provided the necessary documents and information required for the performance of the service as specified in the contract.
 - 5.5 If the performance of TÜV Rheinland is delayed due to unforeseeable circumstances such as force majeure, strikes, business disruptions, governmental regulations, transport obstacles, etc., TÜV Rheinland is entitled to postpone performance for a reasonable period of time which corresponds at least to the duration of the hindrance plus any time period which may be required to resume performance.
 - 5.6 If the client is obliged to comply with legal, officially prescribed and/or by the accreditor prescribed deadlines, it is the client's responsibility to agree on performance dates with TÜV Rheinland, which enables the client to comply with the legal and/or officially prescribed deadlines. TÜV Rheinland assumes no responsibility in this respect unless TÜV Rheinland has been specifically asked to writing specifically stating that ensuring the deadlines is the contractual obligation of TÜV Rheinland.
 6. **The client's obligation to cooperate**
 - 6.1 The client shall guarantee that all cooperation required on his part, its agents or third parties will be provided in good time and at no cost to TÜV Rheinland.
 - 6.2 Design documents, supplies, auxiliary staff, etc. necessary for performance of the services shall be made available free of charge by the client. Moreover, collaborative action of the client must be undertaken in accordance with legal provisions, standards, safety regulations and accident prevention instructions. And the client represents and warrants that:
 - a) it has required statutory qualifications;
 - b) the product, service or management system to be certified complies with applicable laws and regulations; and
 - c) it doesn't have any illegal and dishonest behaviours or is not included in the list of Enterprises with Serious Illegal and Dishonest Acts of People's Republic of China.
 If the client breaches the aforesaid representations and warranties, TÜV Rheinland is entitled to i) immediately terminate the contract without prior notice, and ii) withdraw the issued testing/recertification certificates if any.
 - 6.3 The client shall bear any additional cost incurred on account of work having to be redone or being delayed as a result of late, incorrect or incomplete information provided by the client or lack of cooperation from the client. Even where a fixed or maximum price is agreed, TÜV Rheinland shall be entitled to charge extra fees for such additional expense.
 7. **Prices**
 - 7.1 If the scope of performance is not laid down in writing when the order is placed, invoicing shall be based on costs plus a margin. In the case of written invoicing, such shall be made in accordance with the price list of TÜV Rheinland valid at the time of performance.
 - 7.2 If the invoicing is not in writing, the client shall be invoiced according to the progress of the work.
 - 7.3 In the event of a price increase, the client shall be notified in writing of the contract or the agreed fixed price exceeds €2,500.00 or equivalent value in local currency, TÜV Rheinland shall be entitled to demand appropriate advance payments.
 8. **Payment terms**
 - 8.1 All invoice amounts shall be due for payment within 30 days of the invoice date without deduction on receipt of the invoice. No discounts and rebates shall be granted.
 - 8.2 Payments shall be made to the bank account of TÜV Rheinland as indicated on the invoice, stating the invoice and client numbers.
 - 8.3 In cases of default of payment, TÜV Rheinland shall be entitled to claim default interest at the applicable short-term loan interest rate publicly announced by a reputable commercial bank in the country where TÜV Rheinland is located. At the same time, TÜV Rheinland reserves the right to claim further damages.
 - 8.4 Should the client default in payment of the invoice despite being granted a reasonable grace period, TÜV Rheinland shall be entitled to cancel the contract, withdraw the returned claim, damages for non-performance and refuse to provide further services.
 - 8.5 The provisions set forth in article 8.4 shall also apply in cases involving certified, cheque, cessation of payment, commencement of insolvency proceedings against the client's assets or cases in which the commencement of insolvency proceedings has been declared due to the client.
 - 8.6 Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the invoice.
 - 8.7 TÜV Rheinland shall be entitled to demand appropriate advance payments.
 - 8.8 TÜV Rheinland shall be entitled to raise its fees at the beginning of a month if overheads and/or purchase costs have increased. In this case, the client shall notify the client in writing of the rise in fees. This notification shall be issued one month prior to the date on which the rise in fees shall come into effect (period of notice - changes in fees). If the rise in fees remains under 5% per contractual year, the client shall not have the right to object. If the increase in fees exceeds 5% per contractual year, the client shall be entitled to terminate the contract by the end of the contractual year. The client shall be notified in writing of the increase in fees and shall be deemed to have agreed upon by the time of the expiry of the notice period.
 - 8.9 Only legally established and undisputed claims may be offset against claims by TÜV Rheinland. TÜV Rheinland shall have the right at all times to set off any amount due or payable by the client, including but not limited to claims for payment of invoices, against claims by the client under any contracts, agreement and/or orders/quotations reached with TÜV Rheinland.
 9. **Acceptance of work**
 - 9.1 Any part of the work result ordered which is complete in itself may be presented by TÜV Rheinland for acceptance as an instalment. The client shall be obliged to accept it immediately.
 - 9.2 If acceptance is required or contractually agreed in an individual case, this shall be deemed to have taken place two (2) weeks after completion of the work, unless the client releases acceptance within this period stating at least one fundamental breach of contract by TÜV Rheinland.
 - 9.3 The client is not entitled to refuse acceptance due to insignificant breach of contract by TÜV Rheinland.
 - 9.4 If acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the completion of the work shall take its place.
 - 9.5 During the Follow-Audit stage, if the client was unable to make use of the time windows provided for within the scope of a certification procedure for auditing performance by TÜV Rheinland and the certificate is therefore to be withdrawn (e.g. performance of surveillance audits), or if the client cancels or postpones a confirmed audit date within two (2) weeks before the agreed date, TÜV Rheinland is entitled to immediately charge a lump-sum compensation of 10% of the order amount (including the costs of preparation for expenses. The client shall be liable for any damage incurred no damage whatsoever or a considerably lower damage than the above lump sum.
 - 9.6 In the case of the client's undertaking to accept the work, TÜV Rheinland shall also be entitled to charge lump-sum damages in the amount of 10% of the order amount as compensation for expenses if the service is not called within one year after the order has been placed. The client reserves the right to provide the TÜV Rheinland with no damage whatsoever or only a considerably lower damage than the above mentioned lump sum.
 10. **Confidentiality**
 - 10.1 For the purpose of these terms and conditions, "confidential information" means all know-how, trade secrets, technical data, drawings, designs, drawings, drawings, drawings, drawings, drawings, drawings, project documents, pricing and financial information, customer and supplier information, and marketing techniques and materials, tangible or intangible, that are supplied, transferred or otherwise disclosed by one party ("disclosing party") to the other party ("receiving party") in writing or orally, in printed or electronic form. Confidential information is expressly not the data and know-how collected, compiled or otherwise obtained by TÜV Rheinland (non-personal and not proprietary to the client) within the scope of the provision of services by TÜV Rheinland. TÜV Rheinland is entitled to store, use, further develop and pass on the data obtained in connection with the provision of services for the purposes of developing new services, improving services and for the provision of services.
 - 10.2 The disclosing party shall mark all confidential information disclosed in written form as confidential and shall not disclose or make any confidential information disclosed in written form available to any third party by e-mail. If confidential information is disclosed orally, the receiving party shall be appropriately informed in advance and the disclosing party shall confirm in writing the confidentiality nature of the information within five working days after disclosure. Where the disclosing party fails to do so within the stipulated period, the receiving party shall not take any confidentiality obligations towards such information. The client shall avoid using any third party platform and/or service (e.g. cloud services, email, etc.) for the transmission of confidential information to TÜV Rheinland. Instead, the client shall send any confidential information to company email of TÜV Rheinland employees through its company website or by mail. The client shall be held liable for any data or leakages to be caused by the adoption of any unauthorized confidential information sharing methods mentioned above. TÜV Rheinland shall be waived for any confidentiality obligations.
 - 10.3 All confidential information which the disclosing party transmits or otherwise discloses to the receiving party and is created during performance of work by TÜV Rheinland, unless expressly otherwise agreed in writing by the disclosing party, shall be deemed to be confidential information.
 - a) It may be used by the receiving party for the purposes of performing the contract, unless expressly otherwise agreed in writing by the disclosing party.
 - b) It may be used by the receiving party for the purposes of performing the contract, unless this is necessary for fulfilling the purpose of the contract or TÜV Rheinland is required to pass on confidential information, inspection reports or documentation to the government authorities, judicial bodies or other accreditation bodies or to the relevant regulatory authorities. In such cases, TÜV Rheinland shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - c) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - 10.4 The receiving party may disclose any confidential information received from the disclosing party to its subcontractors for the purpose of performing the contract, provided that the subcontractors are bound by confidentiality obligations. The receiving party undertakes to obligate these employees to observe the same level of secrecy as set forth in this confidentiality clause.
 - 10.5 The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - a) It was generally known at the time of disclosure or has become general knowledge without violation of this confidentiality clause by the receiving party.
 - b) The receiving party or its subcontractors have already disclosed this information, or the receiving party already possessed this information prior to disclosure by the disclosing party, or the information was already in the public domain.
 - c) The receiving party or its subcontractors have already disclosed this information, or the receiving party already possessed this information prior to disclosure by the disclosing party, or the information was already in the public domain.
 - d) The information is necessary for the performance of the contract.
 - e) The information is necessary for the performance of the contract.
 - f) The information is necessary for the performance of the contract.
 - g) The information is necessary for the performance of the contract.
 - h) The information is necessary for the performance of the contract.
 - i) The information is necessary for the performance of the contract.
 - j) The information is necessary for the performance of the contract.
 - k) The information is necessary for the performance of the contract.
 - l) The information is necessary for the performance of the contract.
 - m) The information is necessary for the performance of the contract.
 - n) The information is necessary for the performance of the contract.
 - o) The information is necessary for the performance of the contract.
 - p) The information is necessary for the performance of the contract.
 - q) The information is necessary for the performance of the contract.
 - r) The information is necessary for the performance of the contract.
 - s) The information is necessary for the performance of the contract.
 - t) The information is necessary for the performance of the contract.
 - u) The information is necessary for the performance of the contract.
 - v) The information is necessary for the performance of the contract.
 - w) The information is necessary for the performance of the contract.
 - x) The information is necessary for the performance of the contract.
 - y) The information is necessary for the performance of the contract.
 - z) The information is necessary for the performance of the contract.
 - 10.6 All confidential information shall remain the property of the disclosing party. The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - a) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - b) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - c) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - d) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - e) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - f) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - g) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - h) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - i) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - j) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - k) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - l) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - m) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - n) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - o) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - p) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - q) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - r) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - s) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - t) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - u) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - v) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - w) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - x) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - y) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - z) The receiving party shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - 10.7 From the start of the contract and for a period of three years after termination or expiry of the contract, the receiving party shall maintain strict secrecy of all confidential information and shall not disclose this information to any third party or use it for itself.
11. **Copyrights and rights of use, publications**
 - 11.1 TÜV Rheinland shall retain all exclusive copyrights in the reports, expert reports/opinions, test reports/results, result reports, presentations, etc. prepared by TÜV Rheinland, unless otherwise agreed in writing by the client. The client shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - 11.2 The client receives a simple, unlimited, non-transferable, non-sublicensable right of use to the contents of the work results produced within the scope of the contract, unless otherwise agreed by the client in a separate agreement. The client shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - 11.3 The client receives a simple, unlimited, non-transferable, non-sublicensable right of use to the test reports/results, result reports, presentations, etc. prepared within the scope of the contract to the contractually agreed purpose.
 - 11.4 The client receives a simple, unlimited, non-transferable, non-sublicensable right of use to the contents of the work results produced within the scope of the contract, unless otherwise agreed by the client in a separate agreement. The client shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - 11.5 Any publication or duplication of the work results for advertising purposes or any further use of the work results beyond the scope approved in clause 11.2 and any quotation of the introduction of TÜV Rheinland need the prior written approval of TÜV Rheinland in each individual case. Besides, the client ensures that the aforesaid use shall comply with relevant applicable laws, regulations and relevant rules (including but not limited to specific applicable testing and certification rules, etc.).
 - 11.6 TÜV Rheinland may revoke a given approval according to clause 11.5 at any time without stating reasons. In this case, the client is obliged to stop the transfer of the work results immediately at his own expense and, as far as possible, to withdraw publications.
 - 11.7 The client shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
12. **Liability of TÜV Rheinland**
 - 12.1 In respect of the legal basis, to the fullest extent permitted by applicable law, in the event of a breach of contractual obligations or tort, the liability of TÜV Rheinland for all damages, losses and reimbursement of expenses caused by TÜV Rheinland, its legal representatives and/or employees shall be limited to: (i) in the case of a contract with a fixed overall fee, three times the overall fee for the entire contract; (ii) in the case of a contract for an annually recurring services, the agreed annual fee; (iii) in the case of a contract expressly charged for a time and material basis, a maximum of 20,000 Euro or equivalent amount in local currency; and (iv) in the case of a framework agreement that provides for the possibility of placing individual orders, three times of the fee for the individual order. The client shall be held liable for the confidentiality of the information, but not for the indirect proposed purchasers, vehicle manufacturers/wholesale equipment manufacturers, test standards or test equipment providers of the client's test products and/or certified products, etc.
 - 12.2 The limitation of liability according to article 12.1 above shall not apply to damages and/or losses caused by malice, intent or gross negligence on the part of TÜV Rheinland or its employees. Such limitation shall not apply to damages for a person's death, physical injury or illness.
 - 12.3 In cases involving a fundamental breach of contract, TÜV Rheinland shall be liable even for minor negligent acts or omissions for the purpose of a "fundamental breach": a breach of a material contractual obligation, the performance of which permits the due performance of the contract. Any claim for damages for a fundamental breach of contract shall be limited to the amount of damages reasonably foreseeable as a possible consequence of such breach of contract at the time of the breach (reasonably foreseeable damages), unless any of the circumstances described in article 12.2 applies.
 - 12.4 TÜV Rheinland shall not be liable for the acts of the personnel made available by the client to support TÜV Rheinland in the performance of its services under the contract, unless such personnel have been made available in violation of the contract. If TÜV Rheinland is liable for the acts of the personnel made available by the client under the foregoing provision, the client shall indemnify itself against any claims made by third parties arising from, in or connection with such personnel's acts.
 - 12.5 Unless otherwise contractually agreed in writing, TÜV Rheinland shall only be liable under the contract to the client.
 - 12.6 The limitation periods for claims for damages shall be based on statutory provisions.
 - 12.7 None of the provisions of this article 12 changes the burden of proof to the disadvantage of the client.
13. **Export control**
 - 13.1 When passing on the services provided by TÜV Rheinland to third parties in Greater China or other regions, the client must comply with the applicable regulations of national and international export control law.
- 13.2 The performance of a contract with the client is subject to the proviso that there are no obstacles to performance due to national or international export trade legislation or embargoes and/or sanctions. In the event of a violation, TÜV Rheinland shall be entitled to terminate the contract with immediate effect and the client shall compensate for the losses incurred thereof by TÜV Rheinland.