

Test Report No.: 70.400.24.1442.01-00.02

Rev.: 00

Dated: 2024-06-25



Applicant: Alien Technology LLC

Address: 300 Piercy Drive San Jose CA 95138, USA

Sample Description: Clear Dry Inlays & White Wet Inlays & EC ALC-380

Model No.: Tested No.: ALN-9954

Reference No.: Higgs 9, Higgs 10, ALN-100xx, ALN-99xx, ALN-98xx, ALN-97xx, ALN-96xx & EC ALC-380

Sample Received Date: 2024-06-04, Shanghai
2024-06-11, Shanghai

Test Period: From 2024-06-11 to 2024-06-24, Shanghai

Purpose of examination: Screening of 240 Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) based on regulation (EC) No 1907/2006 (REACH).

Test Results: Refer to following page(s)

Remark:

- The result relates only to the items tested.
- The reference model(s) was declared by client.
- The test sample(s) and item(s) was specified by client.

TüV SÜD Certification and Testing (China) Co., Ltd. Shanghai Branch
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SUMMARY OF TEST RESULTS

No.	Test Requested	Conclusion	Remarks
1.	Screening of 240 Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) based on regulation (EC) No 1907/2006 (REACH).	Each SVHC < 0.1%	





1. TESTED SUBJECT DESCRIPTION

T Number	Sample Number	Tested Material Description	Photo
T1	001	Silver label	





2. TEST RESULT(S)

2.1 Screening of 240 Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) based on regulation (EC) No 1907/2006 (REACH).

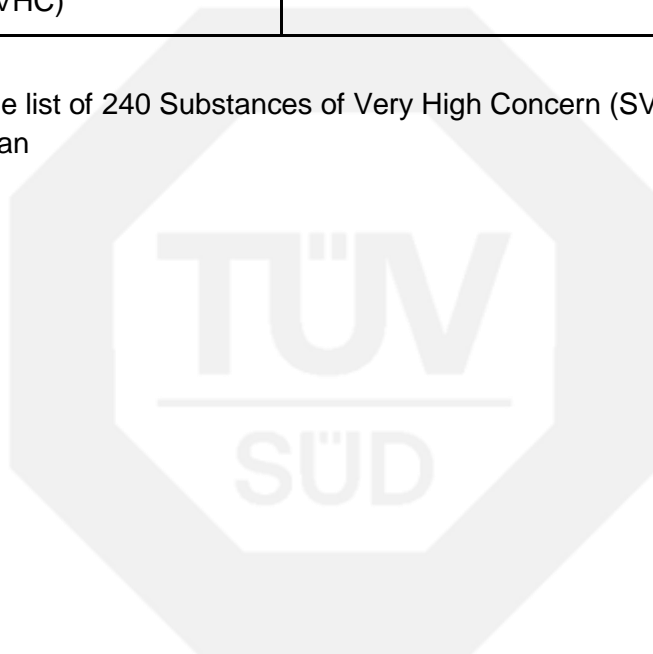
Test method: Digested with acid, the elements are analyzed by ICP-OES and UV-VIS.

Organic solvent extraction, GC-MS, LC-MS, HPLC-DAD, GC-ECD analysis

Test Item	Result
	Sample 001
Screening of 240 Substances of Very High Concern (SVHC)	< 0.01%

Note:

- Refer to 2.1A for the list of 240 Substances of Very High Concern (SVHC)
- "<" denotes less than



2.1A List of 240 Substances of Very High Concern (SVHC) published by European Chemicals Agency (ECHA) based on regulation (EC) No 1907/2006 (REACH).

Item No.	Tested Items	Classification
1.	Anthracene (CAS No. 120-12-7)	PBT (article 57d)
2.	4,4'- Diaminodiphenylmethane (CAS No. 101-77-9)	Carcinogenic (article 57a)
3.	Cobalt dichloride** (CAS No. 7646-79-9)	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
4.	Diarsenic pentaoxide** (CAS No. 1303-28-2)	Carcinogenic (article 57a)
5.	Diarsenic trioxide** (CAS No. 1327-53-3)	Carcinogenic (article 57a)
6.	Lead hydrogen arsenate** (CAS No. 7784-40-9)	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
7.	Triethyl arsenate** (CAS No. 15606-95-8)	Carcinogenic (article 57a)
8.	5-tert-butyl-2,4,6-trinitro-m-xylene (CAS No. 81-15-2)	vPvB (article 57e)
9.	Dis (2-ethylhexyl) phthalate (CAS No. 117-81-7)	Toxic for reproduction (article 57c) Endocrine disrupting properties (Article 57(f) - human health)
10.	Dibutyl phthalate (CAS No. 84-74-2)	Toxic for reproduction (article 57c) Endocrine disrupting properties (Article 57(f) - human health)
11.	Hexabromocyclododecane (CAS No. 25637-99-4)	PBT (article 57d)
12.	Alkanes, C10-13, chloro (CAS No. 85535-84-8)	PBT and vPvB (articles 57 d and 57 e)
13.	Benzyl butyl phthalate (CAS No. 85-68-7)	Toxic for reproduction (article 57c) Endocrine disrupting properties (Article 57(f) - human health)
14.	Bis(tributyltin)oxide (CAS No. 56-35-9)	PBT (article 57d)
15.	Sodium dichromate** (CAS No. 7789-12-0)	Carcinogenic, mutagenic and toxic for reproduction (articles 57a, 57b and 57c)
16.	Anthracene oil ^{##}	Carcinogenic ¹ , PBT and vPvB

Item No.	Tested Items	Classification
	(CAS No. 90640-80-5)	(articles 57a, 57d and 57e)
17.	Anthracene oil, anthracene paste; distn. Lights ^{##} (CAS No. 91995-17-4)	PBT & vPvB, Carcinogen category 2, Mutagen category 2
18.	Anthracene oil, anthracene paste, anthracene fraction ^{##} (CAS No. 91995-15-2)	Carcinogenic ² , mutagenic ³ , PBT and vPvB (articles 57a, 57b, 57d and 57e)
19.	Anthracene oil, anthracene-low ^{##} (CAS No. 90640-82-7)	Carcinogenic ² , mutagenic ³ , PBT and vPvB (articles 57a, 57b, 57d and 57e)
20.	Anthracene oil, anthracene paste ^{##} (CAS No. 90640-81-6)	Carcinogenic ² , mutagenic ³ , PBT and vPvB (articles 57a, 57b, 57d and 57e)
21.	Coal tar pitch, high temperature (CAS No. 65996-93-2) ^{##}	Carcinogenic, PBT and vPvB (articles 57a, 57d and 57e)
22.	2,4-Dinitrotoluene (CAS No. 121-14-2)	Carcinogenic (article 57a)
23.	Diisobutyl phthalate (CAS No. 84-69-5)	Toxic for reproduction (article 57c) Endocrine disrupting properties (Article 57(f) - human health)
24.	Lead chromate ^{**} (CAS No. 7758-97-6)	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
25.	Lead chromate molybdate sulfate red (C.I. Pigment Red 104) ^{**} (CAS No. 12656-85-8)	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
26.	Lead sulfochromate yellow (C.I. Pigment Yellow 34) ^{**} (CAS No. 1344-37-2)	Carcinogenic and toxic for reproduction (articles 57 a and 57 c))
27.	Tris(2-chloroethyl)phosphate (CAS No. 115-96-8)	Toxic for reproduction (article 57c)
28.	Acrylamide (CAS No. 79-06-01)	Carcinogenic (article 57 a)
29.	Boric acid ^{**} (CAS No. 10043-35-3)	Toxic for reproduction (article 57 c)
30.	Disodium tetraborate, anhydrous ^{**} (CAS No. 1330-43-4)	Toxic to Reproduction category 2
31.	Teraboron disodium heptaoxide,hydrate ^{**} (CAS No. 12267-73-1)	Toxic to Reproduction category 2
32.	Sodium Chromate ^{**} (CAS No. 7775-11-3)	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b



Item No.	Tested Items	Classification
		and 57 c)
33.	Potassium Chromate** (CAS No. 7789-00-6)	Carcinogenic and mutagenic (articles 57 a and 57 b).
34.	Ammonium dichromate** (CAS No. 7789-09-5)	Carcinogen Category2; Mutagen Category2; Toxic to Reproduction Category2
35.	Potassium dichromate** (CAS No. 7778-50-9)	Carcinogenic, mutagenic and toxic for reproduction (articles 57 a, 57 b and 57 c)
36.	Trichloroethylene (CAS No. 79-01-6)	Carcinogenic (article 57 a)
37.	Cobalt(II) sulphate** (CAS No. 10124-43-3)	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
38.	Cobalt(II) dinitrate** (CAS No. 10141-05-6)	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
39.	Cobalt(II) carbonate** (CAS No. 513-79-1)	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
40.	Cobalt(II) diacetate** (CAS No. 71-48-7)	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
41.	2-Methoxyethanol (CAS No. 109-86-4)	Toxic for reproduction (article 57c)
42.	2-Ethoxyethanol (CAS No. 110-80-5)	Toxic for reproduction (article 57c)
43.	Chromium trioxide** (CAS No. 1333-82-0)	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
44.	Acids generated from chromium trioxide and their oligomers: Chromic acid, Dichromic acid, Oligomers of chromic acid and dichromic acid**	Carcinogenic (article 57a)
45.	2-Ethoxyethyl acetate (2-EEA) (CAS No. 111-15-9)	Toxic for reproduction (article 57c)
46.	Strontium chromate** (CAS No. 7789-06-2)	Carcinogenic (article 57a)
47.	1,2-Benzenedicarboxylic acid, di-C7-11-branched and	Toxic for reproduction



Item No.	Tested Items	Classification
	linear alkyl esters (DHNUP) (CAS No. 68515-42-4)	(article 57c)
48.	Hydrazine (CAS No. 302-01-2, 7803-57-8)	Carcinogenic (article 57a)
49.	Methyl-2-pyrrolidone (CAS No. 872-50-4)	Toxic for reproduction (article 57c)
50.	1,2,3-Trichloropropane (CAS No. 96-18-4)	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
51.	1,2-Benzenedicarboxylic acid, di-C6-8-branched alkyl esters, C7-rich (DIHP) (CAS No. 71888-89-6)	Toxic for reproduction (article 57c)
52.	Zirconia Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 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 three following conditions: a) oxides of aluminium, silicon and zirconium are the main components present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm). c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight **	Carcinogenic (article 57 a)
53.	Calcium arsenate** (CAS No. 7778-44-1)	Carcinogenic (article 57 a)
54.	Bis(2-methoxyethyl) ether (CAS No. 111-96-6)	Toxic for reproduction (article 57 c)
55.	Aluminosilicate Refractory Ceramic Fibres are fibres covered by index number 650-017-00-8 in Annex VI, part 3, table 3.1 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 three following conditions: a) oxides of aluminium and silicon are the main components	Carcinogenic (article 57 a)

Item No.	Tested Items	Classification
	present (in the fibres) within variable concentration ranges b) fibres have a length weighted geometric mean diameter less two standard geometric errors of 6 or less micrometres (µm) c) alkaline oxide and alkali earth oxide (Na ₂ O+K ₂ O+CaO+MgO+BaO) content less or equal to 18% by weight **	
56.	Potassium hydroxyoctaoxodizincatedichromate** (CAS No. 11103-86-9)	Carcinogenic (article 57 a)
57.	Lead dipicrate** (CAS No. 6477-64-1)	Toxic for reproduction (article 57 c)
58.	N,N-dimethylacetamide (CAS No. 127-19-5)	Toxic for reproduction (article 57 c)
59.	Arsenic acid** (CAS No. 7778-39-4)	Carcinogenic (article 57 a)
60.	2-Methoxyaniline; o-Anisidine (CAS No. 90-04-0)	Carcinogenic (article 57 a)
61.	Trilead diarsenate** (CAS No. 3687-31-8)	Carcinogenic and toxic for reproduction (articles 57 a and 57 c)
62.	1,2-dichloroethane (CAS No. 107-06-2)	Carcinogenic (article 57 a)
63.	Pentazinc chromate octahydroxide** (CAS No. 49663-84-5)	Carcinogenic (article 57 a)
64.	Formaldehyde, oligomeric reaction products with aniline (CAS No. 25214-70-4)	Carcinogenic (article 57 a)
65.	Bis(2-methoxyethyl) phthalate (CAS No. 117-82-8)	Toxic for reproduction (article 57 c)
66.	4-(1,1,3,3-tetramethylbutyl)phenol (CAS No. 140-66-9)	Equivalent level of concern having probable serious effects to the environment (article 57 f)
67.	Lead diazide, Lead azide** (CAS No. 13424-46-9)	Toxic for reproduction (article 57 c),
68.	Phenolphthalein (CAS No. 77-09-8)	Carcinogenic (article 57 a)
69.	Dichromium tris(chromate) (CAS No. 24613-89-6)**	Carcinogenic (article 57 a)
70.	Lead styphnate**	Toxic for reproduction (article 57 c)

Item No.	Tested Items	Classification
	(CAS No. 15245-44-0)	
71.	2,2'-dichloro-4,4'-methylenedianiline (CAS No. 101-14-4)	Carcinogenic (article 57 a)
72.	α,α -Bis[4-(dimethylamino)phenyl]-4 (phenylamino)naphthalene-1-methanol (C.I. Solvent Blue 4) [#] (CAS No. 6786-83-0)	Carcinogenic (Article 57a)
73.	N,N,N',N'-tetramethyl-4,4'-methylenedianiline (CAS No. 101-61-1)	Carcinogenic (Article 57a)
74.	1,3,5-tris[(2S and 2R)-2,3-epoxypropyl]-1,3,5-triazine- 2,4,6-(1H,3H,5H)-trione (β -TGIC) (CAS No. 59653-74-6)	Mutagenic (Article 57b)
75.	Diboron trioxide** (CAS No. 1303-86-2)	Toxic for reproduction (Article 57 c)
76.	1,2-bis(2-methoxyethoxy)ethane (TEGDME; triglyme) (CAS No. 112-49-2)	Toxic for reproduction (Article 57 c)
77.	4,4'-bis(dimethylamino)-4''-(methylamino)trityl alcohol [#] (CAS No. 561-41-1)	Carcinogenic (Article 57a)
78.	Lead(II) bis(methanesulfonate)** (CAS No. 17570-76-2)	Toxic for reproduction (Article 57 c)
79.	Formamide (CAS No. 75-12-7)	Toxic for reproduction (Article 57 c)
80.	4-[4,4'-bis(dimethylamino)benzhydrylidene] cyclohexa- 2,5-dien-1-ylidene]dimethylammonium chloride(C.I. Basic Violet 3) [#] (CAS No. 548-62-9)	Carcinogenic (Article 57a)
81.	1,2-dimethoxyethane; ethylene glycol dimethyl ether (EGDME) (CAS No. 110-71-4)	Toxic for reproduction (Article 57 c)
82.	[4-[[4-anilino-1-naphthyl][4-(dimethylamino) phenyl]methylene]cyclohexa-2,5-dien-1- ylidene]dimethylammonium chloride (C.I. Basic Blue 26) [#] (CAS No. 2580-56-5)	Carcinogenic (Article 57a)
83.	1,3,5-Tris(oxiran-2-ylmethyl)-1,3,5-triazinane-2,4,6- trione (TGIC) (CAS No. 2451-62-9)	Mutagenic (Article 57b)
84.	4,4'-bis(dimethylamino)benzophenone (Michler's ketone) (CAS No. 90-94-8)	Carcinogenic (Article 57a)
85.	Pyrochlore, antimony lead yellow** (CAS No. 8012-00-8)	Toxic for reproduction (Article 57 c)
86.	6-methoxy-m-toluidine (p-cresidine)	Carcinogenic (Article 57a)



Item No.	Tested Items	Classification
	(CAS No. 120-71-8)	
87.	Henicosfluoroundecanoic acid (CAS No. 2058-94-8)	vPvB (Article 57 e)
88.	Hexahydromethylphthalic anhydride [1], Hexahydro-4-methylphthalic anhydride [2], Hexahydro-1-methylphthalic anhydride [3], Hexahydro-3-methylphthalic anhydride [4] [The individual isomers [2], [3] and [4] (including their cis- and trans- stereo isomeric forms) and all possible combinations of the isomers [1] are covered by this entry] (CAS No. 25550-51-0, 19438-60-9, 48122-14-1, 57110-29-9)	Equivalent level of concern having probable serious effects to human health (Article 57 f)
89.	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] (CAS No. 85-42-7, 13149-00-3, 14166-21-3)	Equivalent level of concern having probable serious effects to human health (Article 57 f)
90.	Dibutyltin dichloride (DBTC) (CAS No. 683-18-1)	Toxic for reproduction (Article 57 c)
91.	Lead bis(tetrafluoroborate)** (CAS No. 13814-96-5)	Toxic for reproduction (Article 57 c)
92.	Lead dinitrate** (CAS No. 10099-74-8)	Toxic for reproduction (Article 57 c)
93.	Silicic acid, lead salt** (CAS No. 11120-22-2)	Toxic for reproduction (Article 57 c)
94.	4-Aminoazobenzene (CAS No. 60-09-3)	Carcinogenic (Article 57a)
95.	Lead titanium zirconium oxide** (CAS No. 12626-81-2)	Toxic for reproduction (Article 57 c)
96.	Lead monoxide (lead oxide)** (CAS No. 1317-36-8)	Toxic for reproduction (Article 57 c)
97.	o-Toluidine (CAS No. 95-53-4)	Carcinogenic (Article 57a)
98.	3-ethyl-2-methyl-2-(3-methylbutyl)-1,3-oxazolidine (CAS No. 143860-04-2)	Toxic for reproduction (Article 57 c)
99.	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]**	Toxic for reproduction (Article 57 c)



Item No.	Tested Items	Classification
	(CAS No. 68784-75-8)	
100.	Trilead bis(carbonate)dihydroxide** (CAS No. 1319-46-6)	Toxic for reproduction (Article 57 c)
101.	Furan (CAS No. 110-00-9)	Carcinogenic (Article 57a)
102.	N,N-dimethylformamide (CAS No. 68-12-2)	Toxic for reproduction (Article 57 c)
103.	4-(1,1,3,3-tetramethylbutyl)phenol, ethoxylated [covering well-defined substances and UVCB substances, polymers and homologues]	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
104.	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]	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
105.	4,4'-methylenedi-o-toluidine (CAS No. 838-88-0)	Carcinogenic (Article 57a)
106.	Diethyl sulphate (CAS No. 64-67-5)	Carcinogenic (Article 57a); Mutagenic (Article 57b)
107.	Dimethyl sulphate (CAS No. 77-78-1)	Carcinogenic (Article 57a)
108.	Lead oxide sulfate** (CAS No. 12036-76-9)	Toxic for reproduction (Article 57 c)
109.	Lead titanium trioxide** (CAS No. 12060-00-3)	Toxic for reproduction (Article 57 c)
110.	Acetic acid, lead salt, basic** (CAS No. 51404-69-4)	Toxic for reproduction (Article 57 c)
111.	[Phthalato(2-)]dioxotrilead** (CAS No. 69011-06-9)	Toxic for reproduction (Article 57 c)
112.	Bis(pentabromophenyl) ether (decabromodiphenyl ether; DecaBDE) (CAS No. 1163-19-5)	PBT (Article 57 d); vPvB (Article 57 e)
113.	N-methylacetamide (CAS No. 79-16-3)	Toxic for reproduction (Article 57 c)
114.	Dinoseb (6-sec-butyl-2,4-dinitrophenol) (CAS No. 88-85-7)	Toxic for reproduction (Article 57 c)
115.	1,2-Diethoxyethane (CAS No. 629-14-1)	Toxic for reproduction (Article 57 c)
116.	Tetralead trioxide sulphate** (CAS No. 12202-17-4)	Toxic for reproduction (Article 57 c)
117.	N-pentyl-isopentylphthalate (CAS No. 776297-69-9)	Toxic for reproduction (Article 57 c)



Item No.	Tested Items	Classification
118.	Dioxobis(stearato)trilead** (CAS No. 12578-12-0)	Toxic for reproduction (Article 57 c)
119.	Tetraethyllead** (CAS No. 78-00-2)	Toxic for reproduction (Article 57 c)
120.	Pentalead tetraoxide sulphate** (CAS No. 12065-90-6)	Toxic for reproduction (Article 57 c)
121.	Pentacosafuorotridecanoic acid (CAS No. 72629-94-8)	vPvB (Article 57 e)
122.	Tricosafuorododecanoic acid (CAS No. 307-55-1)	vPvB (Article 57 e)
123.	Heptacosafuorotetradecanoic acid (CAS No. 376-06-7)	vPvB (Article 57 e)
124.	1-bromopropane (n-propyl bromide) (CAS No. 106-94-5)	Toxic for reproduction (Article 57 c)
125.	Methoxyacetic acid (CAS No. 625-45-6)	Toxic for reproduction (Article 57 c)
126.	4-methyl-m-phenylenediamine (toluene-2,4-diamine) (CAS No. 95-80-7)	Carcinogenic (Article 57a)
127.	Methyloxirane (Propylene oxide) (CAS No. 75-56-9)	Carcinogenic (Article 57a); Mutagenic (Article 57b)
128.	Trilead dioxide phosphonate** (CAS No. 12141-20-7)	Toxic for reproduction (Article 57 c)
129.	o-aminoazotoluene (CAS No. 97-56-3)	Carcinogenic (Article 57a)
130.	1,2-Benzenedicarboxylic acid, dipentylester, branched and linear (CAS No. 84777-06-0)	Toxic for reproduction (Article 57 c)
131.	4,4'-oxydianiline and its salts (CAS No. 101-80-4)	Carcinogenic (Article 57a); Mutagenic (Article 57b)
132.	Orange lead (lead tetroxide)** (CAS No. 1314-41-6)	Toxic for reproduction (Article 57 c)
133.	Biphenyl-4-ylamine (CAS No. 92-67-1)	Carcinogenic (Article 57a)
134.	Diisopentylphthalate (CAS No. 605-50-5)	Toxic for reproduction (Article 57 c)
135.	Fatty acids, C16-18, lead salts** (CAS No. 91031-62-8)	Toxic for reproduction (Article 57 c)
136.	Diazene-1,2-dicarboxamide (C,C'-azodi(formamide)) (CAS No. 123-77-3)	Equivalent level of concern having probable serious effects to human health (Article 57 f)
137.	Sulfurous acid, lead salt, dibasic** (CAS No. 62229-08-7)	Toxic for reproduction (Article 57 c)

Item No.	Tested Items	Classification
138.	Lead cyanamidate** (CAS No. 20837-86-9)	Toxic for reproduction (Article 57 c)
139.	Cadmium (CAS No. 7440-43-9)	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
140.	Ammonium pentadecafluorooctanoate (APFO) (CAS No. 3825-26-1)	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
141.	Pentadecafluorooctanoic acid (PFOA) (CAS No. 335-67-1)	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
142.	Dipentyl phthalate (DPP) (CAS No. 131-18-0)	Toxic for reproduction (Article 57 c);
143.	4-Nonylphenol, branched and linear, ethoxylated [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, ethoxylated covering UVCB- and well- defined substances, polymers and homologues, which include any of the individual isomers and/or combinations thereof]	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
144.	Cadmium oxide** (CAS No. 1306-19-0)	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
145.	Cadmium sulphide** (CAS No. 1306-23-6)	Carcinogenic (Article 57a); Equivalent level of concern having probable serious effects to human health (Article 57 f)
146.	Disodium 4-amino-3-[[4'-[(2,4-diaminophenyl)azo][1,1'- biphenyl]-4-yl]azo] -5-hydroxy-6- (phenylazo)naphthalene-2,7-disulphonate (C.I. Direct Black 38) (CAS No. 1937-37-7)	Carcinogenic (Article 57a)
147.	Dihexyl phthalate (CAS No. 84-75-3)	Toxic for reproduction (Article 57 c)
148.	Imidazolidine-2-thione; (2-imidazoline-2-thiol)	Toxic for reproduction (Article 57 c)



Item No.	Tested Items	Classification
	(CAS No. 96-45-7)	
149.	Trixylyl phosphate (CAS No. 25155-23-1)	Toxic for reproduction (Article 57 c)
150.	Disodium 3,3'-[[1,1'-biphenyl]-4,4'-diylbis(azo)]bis(4-aminonaphthalene-1-sulphonate) (C.I. Direct Red 28) (CAS No. 573-58-0)	Carcinogenic (Article 57a)
151.	Lead di(acetate)** (CAS No. 301-04-2)	Toxic for reproduction (Article 57 c);
152.	Cadmium chloride (CAS No. 10108-64-2)	Carcinogenic (Article 57a); Mutagenic (Article 57b); Toxic for reproduction (Article 57c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
153.	1,2-Benzenedicarboxylic acid, dihexyl ester, branched and linear (CAS No. 68515-50-4)	Toxic for reproduction (Article 57 c)
154.	Sodium peroxometaborate** (CAS No. 7632-04-4)	Toxic for reproduction (Article 57 c)
155.	Sodium perborate; perboric acid, Sodium salt**	Toxic for reproduction (Article 57 c)
156.	Cadmium fluoride** (CAS No. 7790-79-6)	Carcinogenic (Article 57 a); Mutagenic (Article 57 b); Toxic for Reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)
157.	Cadmium sulphate** (CAS No. 10124-36-4;31119-53-6)	Carcinogenic (Article 57 a); Mutagenic (article 57 b); Toxic for Reproduction (Article 57 c); Equivalent level of concern having probable serious effects to human health (Article 57 f)



Item No.	Tested Items	Classification
158.	2-benzotriazol-2-yl-4,6-di-tert-butylphenol (UV-320) (CAS No. 3846-71-7)	PBT (Article 57 d); vPvB (Article 57 e)
159.	2-(2H-benzotriazol-2-yl)-4,6-ditertpentylphenol(UV-328) (CAS No. 25973-55-1)	PBT (Article 57 d); vPvB (Article 57 e)
160.	2-ethylhexyl 10-ethyl-4,4-dioctyl-7-oxo-8-oxa-3,5-dithia-4-stannatetradecanoate (DOTE) (CAS No. 15571-58-1)	Toxic for Reproduction (Article 57 c)
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)	Toxic for Reproduction (Article 57 c)
162.	1,2-benzenedicarboxylic acid, di-C6-10-alkyl esters; 1,2-benzenedicarboxylic acid, mixed decyl and hexyl and octyl diesters with $\geq 0.3\%$ of dihexyl phthalate (CAS No. 68515-51-5, 68648-93-1)	Toxic for Reproduction (Article 57 c)
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 isomers of [1] and [2] or any combination thereof]	vPvB (Article 57 e)
164.	Perfluorononan-1-oic-acid and its sodium and ammonium salts (CAS No. 375-95-1, 21049-39-8, 4149-60-4)	Toxic for reproduction (Article 57 c) PBT (Article 57 d)
165.	Nitrobenzene (CAS No. 98-95-3)	Toxic for reproduction (Article 57 c)
166.	2-(2H-benzotriazol-2-yl)-4-(tert-butyl)-6-(sec-butyl)phenol (UV-350) (CAS No. 36437-37-3)	vPvB (Article 57 e)
167.	2,4-di-tert-butyl-6-(5-chlorobenzotriazol-2-yl)phenol (UV-327) (CAS No. 3864-99-1)	vPvB (Article 57 e)
168.	1,3-propanesultone (CAS No. 1120-71-4)	Carcinogenic (Article 57 a)
169.	Benzo[def]chrysene (Benzo[a]pyrene) (CAS No. 50-32-8)	Carcinogenic (Article 57 a) Mutagenic (Article 57 b) Toxic for reproduction (Article 57 c);



Item No.	Tested Items	Classification
		PBT (Article 57 d) vPvB (Article 57 e)
170.	4,4'-isopropylidenediphenol (Bisphenol A, BPA) (CAS No. 80-05-7)	Toxic for reproduction (Article 57 c) Endocrine disrupting properties (Article 57(f) - human health)
171.	Nonadecafluorodecanoic acid (PFDA) and its sodium and ammonium salts (CAS No. 335-76-2, 3830-45-3, 3108-42-7)	Toxic for reproduction (Article 57 c); PBT (Article 57 d)
172.	p-(1,1-dimethylpropyl)phenol (pentyphenol, PTAP) (CAS No. 80-46-6)	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
173.	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]	Equivalent level of concern having probable serious effects to the environment (Article 57 f)
174.	Perfluorohexane-1-sulphonic acid and its salts (PFHxS) (CAS No. 355-46-4)	vPvB (Article 57 e)
175.	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 (4-HPbl)]	Endocrine disrupting properties (Article 57(f) - environment)
176.	Dodecachloropentacyclo[12.2.1.16,9.02,13.05,10]octa deca-7,15-diene ("Dechlorane Plus"™) (covering any of its individual anti- and syn-isomers or any combination thereof)	vPvB (Article 57e)
177.	Chrysene (CAS No. 218-01-9, 1719-03-5)	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)
178.	Cadmium nitrate (CAS No. 10022-68-1, 10325-94-7)	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
179.	Cadmium hydroxide (CAS No. 21041-95-2)	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) - human health)
180.	Cadmium carbonate (CAS No. 513-78-0)	Carcinogenic (Article 57a) Mutagenic (Article 57b) Specific target organ toxicity after repeated exposure (Article 57(f) -



Item No.	Tested Items	Classification
		human health)
181.	Benz[a]anthracene (CAS No. 56-55-3, 1718-53-2)	Carcinogenic (Article 57a) PBT (Article 57d) vPvB (Article 57e)
182.	Octamethylcyclotetrasiloxane (D4) (CAS No. 556-67-2)	PBT (Article 57d); vPvB (Article 57e)
183.	Decamethylcyclopentasiloxane (D5) (CAS No. 541-02-6)	PBT (Article 57d); vPvB (Article 57e)
184.	Dodecamethylcyclohexasiloxane (D6) (CAS No. 540-97-6)	PBT (Article 57d); vPvB (Article 57e)
185.	Lead (CAS No. 7439-92-1)	Toxic for reproduction (Article 57c)
186.	Disodium octaborate (CAS No. 12008-41-2)	Toxic for reproduction (Article 57c)
187.	Benzo[ghi]perylene (CAS No. 191-24-2)	PBT (Article 57d); vPvB (Article 57e)
188.	Terphenyl hydrogenated (CAS No. 61788-32-7)	vPvB (Article 57e)
189.	Ethylenediamine (EDA) (CAS No. 107-15-3)	Respiratory sensitising properties (Article 57(f) - human health)
190.	Dicyclohexyl phthalate (DCHP) (CAS No. 84-61-7)	Toxic for reproduction (Article 57(c)); endocrine disrupting properties (Article 57(f) - human health)
191.	Benzene-1,2,4-tricarboxylic acid 1,2-anhydride (trimellitic anhydride) (TMA) (CAS No. 552-30-7)	Respiratory sensitising properties (Article 57(f)) – human health)
192.	1,7,7-trimethyl-3-(phenylmethylene)bicyclo[2.2.1]heptan-2-one (3-benzylidene camphor) (CAS No. 15087-24-8)	Endocrine disrupting properties (Article 57(f) - environment)
193.	2,2-bis(4'-hydroxyphenyl)-4-methylpentane (CAS No. 6807-17-6)	Toxic for reproduction (Article 57c)
194.	Benzo[k]fluoranthene (CAS No. 207-08-9)	Carcinogenic (Article 57a); PBT (Article 57d); vPvB (Article 57e)
195.	Fluoranthene (CAS No. 206-44-0)	PBT (Article 57d); vPvB (Article 57e)
196.	Phenanthrene (CAS No. 85-01-8)	vPvB (Article 57e)
197.	Pyrene (CAS No. 129-00-0)	PBT (Article 57d);



Item No.	Tested Items	Classification
		vPvB (Article 57e)
198.	2-methoxyethyl acetate (CAS No. 110-49-6)	Toxic for reproduction (Article 57 (c))
199.	Tris(4-nonylphenyl, branched and linear) phosphite (TNPP) with $\geq 0.1\%$ w/w of 4-nonylphenol, branched and linear (4-NP)	Endocrine disrupting properties (Article 57(f) – environment)
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)	Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment) Equivalent level of concern having probable serious effects to human health (Article 57(f) – human health)
201.	4-tert-butylphenol (CAS No. 98-54-4)	Endocrine disrupting properties (Article 57(f) – environment)
202.	Diisohexyl phthalate (CAS No. 71850-09-4)	Toxic for reproduction (Article 57c)
203.	2-benzyl-2-dimethylamino-4'-morpholinobutyrophenone (CAS No. 119313-12-1)	Toxic for reproduction (Article 57c)
204.	2-methyl-1-(4-methylthiophenyl)-2-morpholinopropan-1-one (CAS No. 71868-10-5)	Toxic for reproduction (Article 57c)
205.	Perfluorobutane sulfonic acid (PFBS) and its salts	Equivalent level of concern having probable serious effects on the environment (Article 57f) Equivalent level of concern having probable serious effects on human health (Article 57f)
206.	1-vinylimidazole (CAS No. 1072-63-5)	Toxic for reproduction (Article 57 (c))
207.	2-methylimidazole (CAS No. 693-98-1)	Toxic for reproduction (Article 57 (c))
208.	Dibutylbis(pentane-2,4-dionato-O,O')tin (CAS No. 22673-19-4)	Toxic for reproduction (Article 57 (c))
209.	Butyl 4-hydroxybenzoate (Butylparaben) (CAS No. 94-26-8)	Endocrine disrupting properties - human health (Article 57(f) – human health)



Item No.	Tested Items	Classification
210.	Bis(2-(2-methoxyethoxy) ethyl) ether (CAS No. 143-24-8)	Toxic for reproduction (Article 57c)
211.	Dioctyltin dilaurate, stannane, dioctyl-, bis(coco acyloxy) derivs., and any other stannane, dioctyl-, bis(fatty acyloxy) derivs. wherein C12 is the predominant carbon number of the fatty acyloxy moiety	Toxic for reproduction (Article 57c)
212.	1,4-dioxane (CAS No. 123-91-1)	Carcinogenic (Article 57a) Equivalent level of concern having probable serious effects to human health (Article 57(f) - human health) Equivalent level of concern having probable serious effects to the environment (Article 57(f) - environment)
213.	2,2-bis(bromomethyl)propane 1,3-diol (BMP) (CAS No. 3296-90-0) 2,2-dimethylpropan-1-ol, tribromoderivative 3-bromo-2,2-bis(bromomethyl)-1-propanol (TBNPA) (CAS No. 36483-57-5, 1522-92-5) 2,3-dibromo-1propanol (2,3-DBPA) (CAS No. 96-13-9)	Carcinogenic (Article 57a)
214.	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	Toxic for reproduction (Article 57c)
215.	4,4'-(1-methylpropylidene)bisphenol (bisphenol B) (CAS No. 77-40-7)	Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
216.	Glutaral (CAS No. 111-30-8)	Respiratory sensitising properties (Article 57(f) - human health)
217.	Medium-chain chlorinated paraffins (MCCP) [UVCB substances consisting of more than or equal to 80% linear chloroalkanes with carbon chain lengths within the range from C14 to C17]	PBT (Article 57d) vPvB (Article 57e)
218.	Orthoboric acid, sodium salt (CAS No. 13840-56-7)	Toxic for reproduction (Article 57c)
219.	Phenol, alkylation products (mainly in paraposition) with C12-rich branched or linear alkyl chains from oligomerisation, covering any individual isomers and/or combinations thereof (PDDP)	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)



Item No.	Tested Items	Classification
220.	tris(2-methoxyethoxy)vinylsilane (CAS No. 1067-53-4)	Toxic for reproduction (Article 57c)
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 (CAS No. 255881-94-8)	PBT (Article 57d)
222.	6,6'-di-tert-butyl-2,2'-methylenedi-p-cresol (CAS No. 119-47-1)	Toxic for reproduction (Article 57c)
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)	Endocrine disrupting properties (Article 57(f) - human health)
224.	N-(hydroxymethyl)acrylamide (CAS No. 924-42-5)	Carcinogenic (Article 57a) Mutagenic (Article 57b)
225.	1,1'-[ethane-1,2-diylbisoxo]bis[2,4,6-tribromobenzene] (CAS No. 37853-59-1)	vPvB (Article 57e)
226.	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol (CAS No. 79-94-7)	Carcinogenic (Article 57a)
227.	4,4'-sulphonyldiphenol (CAS No. 80-09-1)	Toxic for reproduction (Article 57c) Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
228.	Barium diboron tetraoxide (CAS No. 13701-59-2)	Toxic for reproduction (Article 57c)
229.	Bis(2-ethylhexyl) tetrabromophthalate covering any of the individual isomers and/or combinations thereof	vPvB (Article 57e)
230.	Isobutyl 4-hydroxybenzoate (CAS No. 4247-02-3)	Endocrine disrupting properties (Article 57(f) - human health)
231.	Melamine (CAS No. 108-78-1)	Endocrine disrupting properties (Article 57(f) - environment) Endocrine disrupting properties (Article 57(f) - human health)
232.	Perfluoroheptanoic acid and its salts	Toxic for reproduction (Article 57c) PBT (Article 57d) vPvB (Article 57e) Endocrine disrupting properties (Article 57(f) - environment)



Item No.	Tested Items	Classification
		Endocrine disrupting properties (Article 57(f) - human health)
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	vPvB (Article 57e)
234.	Diphenyl(2,4,6- trimethylbenzoyl)phosphine oxide (CAS No. 75980- 60-8)	Toxic for reproduction (Article 57c)
235.	Bis(4-chlorophenyl) sulphone (CAS No. 80-07-9)	vPvB (Article 57e)
236.	Oligomerisation and alkylation reaction products of 2-phenylpropene and phenol	vPvB (Article 57e)
237.	Bumetrizole (UV-326) (CAS No.: 3896-11-5)	vPvB (Article 57e)
238.	2-(dimethylamino)-2-[(4-methylphenyl)methyl]-1-[4-(morpholin-4-yl)phenyl]butan-1-one (CAS No.: 119344-86-4)	Toxic for reproduction (Article 57c)
239.	2-(2H-benzotriazol-2-yl)-4-(1,1,3,3-tetramethylbutyl)phenol (UV-329) (CAS No.: 3147-75-9)	vPvB (Article 57e)
240.	2,4,6-tri-tert-butylphenol (CAS No.: 732-26-3)	Toxic for reproduction (Article 57c) PBT (Article 57d)

Note:

1. Above result for the submitted samples are calculated based on relevant material testing data.
2. ** Denotes result is based on the heavy metal or inorganic element concentration. Due to the limit of the analytical technology available, any further investigation is not feasible. The client is strongly advised to review the chemical formulation to ascertain.
3. ## The substances are UVCB(substance of unknown or variable composition, complex reaction products or biological materials), which are identified by it main constituents. Individual concentrations to the constituent of UVCB with an amount of <0.01% were not considered by the calculation of the sum.
4. # only applicable with $\geq 0.1\%$ of Michler's ketone (CAS No. 90-94-8) or Michler's base (CAS No. 101-61-1)
5. The analysis of 240 SVHC is done by currently available test & screening techniques against the SVHC candidate list published by European Chemical Agency (ECHA).
Refer to <https://echa.europa.eu/candidate-list-table> for details.
6. In accordance with Regulation(EC) No 1907/2006, any producer or importer of substances, preparations and 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).

7. From 28 October 2008, EU & EEA suppliers whose goods contain substances on the Candidate List in a concentration above 0.1%(w/w) must provide sufficient information 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.



Test Report No.: 70.400.24.1442.01-00.02

Rev.: 00

Dated: 2024-06-25



APPENDIX I:

Addition Model

Higgs 9, Higgs 10, ALN-100xx, ALN-99xx, ALN-98xx, ALN-97xx, ALN-96xx & EC ALC-380

Remark:

- 1) The report covers material testing on specified samples.
- 2) The tested materials covered by the report were declared by the manufacturer to be used on the models listed in the appendix of the report.

-----End of Report-----



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1. General Information and Definitions

- (1.1) In the event that an order for any services is placed, the Client shall accept the General Terms and Conditions. The General Terms and Conditions shall be applicable to all orders, resulting contracts and other arrangements, including all offers made or services provided by the Company or any of its affiliated companies. They are not applicable if and as far as they are in conflict with the regulations on services performed on behalf of governments, government bodies or any other public entity, or they are in conflict with mandatory provisions of local law. The Client's placement of orders as well as the conclusion of contracts with the Company shall be regarded as awareness and acceptance of these General Terms and Conditions.
- (1.2) The Company strongly recommends any Client or potential Client to read the full text of these General Terms and Conditions prior to placement of any order to or conclusion of any contract with the Company. Ancillary agreements, promises and other statements made on the part of the Company staff or the experts called upon by them shall be binding only if they are expressly confirmed by the Company in writing. This shall also apply to any modifications of this clause.

2. Provision of Services

- (2.1) With due care and skill, the Company will provide services according to Client's specific instructions as made available by the Client. In the absence of Client's specific instructions, the following is deemed as instructions given to the Company:
- (a) The terms of any standard specification sheet or standard order form provided by the Company; and/or
 - (b) Any relevant usage, practice or trade custom; and/or
 - (c) Such methods the Company considers technically, operationally and/or on financial grounds appropriate.
- (2.2) No other party is entitled to give any instructions particularly on the scope and type of the services or the reports delivered, or on the resulting certificates (the "Reports of Findings"), unless the Company receives prior written instructions to the contrary from the Client. The Client hereby irrevocably authorizes the Company to deliver Reports of Findings to a third party where so instructed by the Client or, at the Company's discretion, where it implicitly follows from circumstances, trade custom, usage or practice.
- (2.3) The Information stated in the Report of Findings is derived from the results of inspection or testing procedures carried out in accordance with the instructions and/or Company's assessment of such results on the basis of any technical standards, trade custom or practice, or other circumstances which should in Company's professional experience be taken into account.
- (2.4) Reports of Findings issued after the testing of samples refer the Company's opinion only on samples under testing and not to the lot from which the samples were drawn.
- (2.5) Client agrees that the Company's sole responsibility is to be present at the time of the third party's intervention and to forward the results, or confirm the occurrence of the intervention, in case Client requests the Company to witness any third party's intervention. Client agrees that the Company will use the test methods for analysis as requested in the request form, and if none is stated in the form, the Company will choose the appropriate test methods for analysis.
- (2.6) The Reports of Findings issued by the Company will reflect the facts as recorded by it at the time of its intervention only and within the limits of the instructions received or, in the absence of such instructions, within the limits of the alternative parameters applied as provided for in Clause 2.1. The Company is under no obligation to refer to, or report upon, any facts or circumstances, which are outside the specific instructions received or alternative parameters applied.
- (2.7) The performance of all or part of the services may be delegated to an agent or subcontractor by the Company. The Client authorizes the Company to disclose all information necessary for such performance to the agent or subcontractor.
- (2.8) Documents reflecting engagements contracted between the Client and third parties or third party documents, e.g. sales contract copies, letters of credit, bills of lading, etc. should be made available to the Company. These are considered to be for information only, and do not extend or restrict the scope of the services or the obligations accepted by the Company.
- (2.9) The Company agrees that, by providing the services to the Client, it neither takes the place of Client or any third party, nor otherwise assumes, abridges, abrogates or undertakes to discharge any duty of the Client to any third party or that of any third party to the Client. Also, it does not release the Client or any third party from any of their obligations.
- (2.10) Depending on the nature of each sample, all samples given to the Company shall be retained for a maximum of 3 months or for such other shorter time period as the nature of the sample permits, and then sent back to Client or otherwise disposed of at the Company's discretion. After that time the Company will not be responsible for the samples. Storage of samples for more than 3 months shall incur a storage fee payable by the Client. If samples are returned to the Client, the Client will be billed a handling and freight fees. Special disposal charges will be billed to the Client if incurred.

3. Client's Obligations

- The Client shall:
- (3.1) ensure that all required supporting documents, information and instructions as submitted are accurate, truthful and complete. These information are to be submitted in a timely manner not later than 2 working days from the date of which the services are requested by the Client
 - (3.2) ensure to give all necessary access for the Company's representatives to the premises where the services are to be performed and to take all necessary steps to eliminate or remedy any obstacles to, or interruptions in the performance of the services;
 - (3.3) make available any special equipment and personnel necessary for the performance of the services, if required;
 - (3.4) ensure that for the safety and security of working conditions, sites and installations, all necessary measures are taken during the performance of services. In this respect, the Client will not rely on the Company's advice whether required or not;
 - (3.5) inform the Company of any known hazards or dangers, actual or potential, associated with any order, samples, testing or any other service rendered by the Company well in advance. Those are, but are not limited to the presence or risk of radiation, environmental pollution or poisons-toxic or noxious or explosive elements or materials;
 - (3.6) fully exercise all its rights and discharge all its liabilities under any relevant sales or other contract with a third party.

4. Fees and Payment

- (4.1) All Fees not agreed on between the Company and Client at the time the order is placed or a contract is concluded shall be determined by the Company's Schedule of Fees (which are subject to change). All applicable taxes shall be paid by Client, as far as mandatory laws do not provide otherwise.
- (4.2) Unless a specific period is established in the invoice, the Client shall pay upon receiving the invoice, but not later than 30 days from the relevant invoice date or within such other period as may be established by the Company in the invoice (the "Due Date").
- (4.3) The Client shall not be entitled to retain or defer due payment of any sums to the Company on account of any dispute, counter claim or set-off against the Company. The Company reserves the right to retain or defer any due payments if any dispute arises with or it raises any counterclaim against the Client. The Company is entitled to set off due payments against payments of the Client.

- (4.4) For the collection of unpaid fees, the Company may decide to bring action in any court with competent jurisdiction. The corresponding collection costs, including attorney's fees and related costs, shall be borne by the Client, as far as the mandatory local law does not provide otherwise.
- (4.5) In case of any unforeseen problems or expenses arise while carrying out the services, the Company informs the Client. In such cases, the Company shall be entitled to charge additional fees to cover extra time and to invoice extra costs necessarily incurred to complete the services.
- (4.6) If the Company is unable to perform all or parts of the services for any cause whatsoever beyond the Company's control, including the failure by Client to comply with any of its obligations provided for in the foregoing Clause 3, the Company shall nevertheless be entitled to payments of:
 - (1) The amount of all non-refundable expenses incurred by the Company; and
 - (2) A proportion of the agreed fee equal to the proportion of the services actually carried out.

5. Suspension or Termination of Services

In any case mentioned below, the Company shall be entitled to either suspend or terminate the provision of the services immediately and without any liability:

- (5.1) Failure by the Client to comply with any of its obligations under these General Terms and Conditions and such failure is not remedied within 10 days after a notice of such failure has been delivered to the Client; or
- (5.2) Any suspension of payment, arrangement with creditors, bankruptcy, insolvency, receivership or cessation of business by Client.

6. Liability and Indemnification

- (6.1) Limitation of Liability.
- (1) Clients seeking a guarantee against loss or damage should obtain appropriate insurance. The Company is neither an insurer nor a guarantor and disclaims all liability in such capacity.
 - (2) Reports of Findings are issued on the basis of the information, documents and/or samples provided by, or on behalf of the Client and solely for the benefit of the Client who is obliged to act on the basis of such Reports of Findings. Neither the Company nor any of its staff, agents or subcontractors shall be liable to the Client nor to any third party for any actions taken or not taken on the basis of such Reports of Findings, or for any incorrect results arising from unclear, erroneous, incomplete, misleading or false information provided to the Company.
 - (3) For any delayed, total or partial non-performance of the services arising directly or indirectly from any event beyond the Company's control, including failure by Client to comply with any of its obligations hereunder, the Company shall not be liable.
 - (4) The liability of the Company in respect of any claim for loss, damage or expense of any nature and howsoever arising shall in no circumstances exceed a total aggregate sum equal to 10 times the amount of the fee paid in respect of the specific service which gives rise to such claim, and shall in any case not exceed the equivalent of 25,000 EUR in CNY.
 - (5) For any indirect or consequential loss (including loss of profits), the Company shall not have any liabilities.
 - (6) In case of any claim, the Client must give written notice to the Company within 30 days of discovery of the facts with all necessary documents to justify such claim. In any case, the Company shall be discharged from all liability for all claims for loss, damage or expense unless a lawsuit is brought within two years from:
 - (i) the performance date of the Company for its services which refers to the claim; or
 - (ii) the date when the service should have been completed in the event of any alleged non-performance.
- (6.2) Indemnification. Against all claims (actual or threatened) by any third party for loss, damage or expenses of whatsoever nature including all legal expenses and related costs and howsoever arising relating to the performance, purported performance or non-performance of any services, the Client shall guarantee, hold harmless and indemnify the Company and its officers, employees, agents or subcontractors.

7. Obligation of Confidentiality, Copyright, Data Privacy Protection

- (7.1) The Company shall be authorized to make file copies of written documents, which have been made available to it for review and which are important for processing the order.
- (7.2) Insofar as Reports of Findings are prepared in the course of processing the order and which are subject to the protection of copyright, then the Company shall grant the Client a simple, non-transferable right to use, insofar as this is necessary and in accordance with the contractually presupposed purpose. Other rights shall not be transferred; in particular, the customer shall not be entitled to modify and/or edit audit reports or to make use of such outside of his business premises.
- (7.3) The Company and its staff which may be called in shall not disclose or use trade and business matters about which they have gained knowledge during the performance of their work without proper authorization, or unless instructed by a court or authorized body (e.g. regulatory authority, accreditation body or certification scheme owner) or otherwise legally required.

8. Miscellaneous

- (8.1) The validity, legality and enforceability of the remaining provisions shall not in any way be affected or impaired, even if any one or more provisions of these General Conditions are found to be illegal or unenforceable in any respect.
- (8.2) Client shall not directly or indirectly entice, encourage or make any offer to Company's employees to leave their employment with the Company, during the course of providing the services and for a period of one year thereafter.
- (8.3) Use of the Company's corporate name or registered marks for advertising purposes is not permitted without the Company's prior written authorization.

9. Governing Law, Jurisdiction and Dispute Settlement

- (9.1) Unless specifically agreed otherwise, all disputes arising out of or in connection with contractual relationship(s) hereunder shall be governed by the applicable laws and regulations of the People's Republic of China.
- (9.2) Place of performance for any obligation arising out of this contract shall be Shanghai, the Place of the TÜV SÜD Certification and Testing (China) Co., Ltd., Shanghai branch, unless otherwise expressly agreed by the parties.

10. Languages

In the event of any discrepancy between the English and the Chinese version of these General Terms and Conditions, the English version shall prevail.