Test Report -Products



Report No.:	Report No.: 180264317a 001 Page 1 of 15			
Client:	HANGZHOU DAHUAN TECHNOLOGY CO., LTD.			
Contact Information:	Room 1603-1604, Yifeng Times Mansion, Hangzhou,	China		
Identification/ Model No(s):	Glass Bottle			
Sample obtaining method:	Sending by customer			
Condition at delivery:	Test item complete and undamaged.			
Sample Receiving date:	2023-06-01			
Testing Period:	2023-06-01 to 2023-06-07			
Place of testing:	Chemical laboratory Ningbo			
Test Specification:		Test result:		
Customer's requirement:				
1. Release of Lead and Cadmium from Glassware PASS				
2. Packaging Waste Total Heavy Metal Content - 94/62/EC Pa		PASS		
•	of very high concern (SVHC) subject to the candidate al Agency (ECHA) according to Regulation (EC) No.	SVHC concentration(s) ≤ 0.1%		

1907/2006 of REACH and its amendments

For and on behalf of TÜV Rheinland/CCIC (Ningbo) Co., Ltd.

2001/2 mi

2023-06-08

Zoey Zhou / Assistant Manager

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.



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### Material List:

Item: Glass Bottle

Material No.	Material	Color	Location
M001	Glass	transparent	bottle



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## 1.1 Release of Heavy Metals from Glassware

- Test method: The test is performed reference to EN 1388-1:1995, EN 1388-2:1995 and DIN 51031:1986 respectively. The concentration of the elements is examined by means of atomic absorption spectroscopy or ICP-MS.
- Limit:

Pb, Cd: Directive 84/500/EEC

Working group of food chemistry experts from the federal states and the Co: Federal Office of Consumer Protection and Food Safety (ALS), 109th Session 2017, Opinion No.2017/15

Austrian Ceramic Ordinance Zn, Ba, Sb:

The following food simulant and condition was applied:

Food s	Food simulant		/ Temperature
4% Ac	etic acid	22ºC for	24 hours
Test No.:	T001		
Category:		2	
Internal volume	L	ess than one litre	
Sample No.:	M001		
Parameter	Unit	Result	Limit
Lead (Pb)	mg/l	< 0.2	4
Cadmium (Cd)	mg/l	< 0.02	0.3
Cobalt (Co)	mg/l	< 0.05	0.1
Zinc (Zn)	mg/article	< 0.5	3.0
Barium (Ba)	mg/article	< 0.5	1.0
Antimony (Sb)	mg/article	< 0.5	1.0

Abbreviations: = Milligram per square decimetre mg/dm<sup>2</sup>

mg/article = Milligram per article

mg/l = Milligram per litre <

= Less than

### Remark:

\*1 According to EU Directive 84/500/EEC, articles in contact with food should not exceed the following limits.

Category	Description	Lead	Cadmium
1	Articles which can't and articles which can be filled, the internal depth of which, measured from the lowest point to the horizontal plane passing through the upper rim, does not exceed 25 mm	Ū,	0.07 mg/dm²
2	Other articles which can be filled	4.0 mg/l	0.3 mg/l
3	Cooking ware; packaging and storage vessels having a capacity of more than three litres	1.5 mg/l	0.1 mg/l



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\*2 According to Austrian Ceramic Ordinance (BGBI. Nr. 893/1993 and its amendment), articles in contact with food should not exceed the following limits:

Category	Description	Zinc	Antimony	Barium
Internal	Less than one litre	3.0 mg/article (#)	1.0 mg/article (#)	1.0 mg/article (#)
volume	Other articles which can be filled	3.0 mg/l	1.0 mg/l	1.0 mg/l

(#) Calculation is based on the internal volume of the article



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## 2.Packaging Waste Total Heavy Metal Content - 94/62/EC

Test Method: Sample digestion, analyzed by ICP-OES / Ultraviolet Visible Spectrophotometer (UV-Vis)

## **Result:**

Test No.	Material No.	Test Parameters	Unit	RL	Regulatory Requirement	Result	Conclusion
		Pb	mg/kg	10	-	21	-
		Cd	mg/kg	10	-	< RL	-
T001	M001	Cr (VI)	mg/kg	10	-	< RL	Conclusion Pass
		Hg	mg/kg	10	-	< RL	-
		Sum of Pb, Cd, Cr(VI) and Hg	mg/kg	10	100	21	Pass

Abbreviation: < = less than RL = Reporting Limit mg/kg = milligram per kilogram

### Remark:

- \* According to "European Parliament and Council Directive 94/62/EC of 20 December 1994"; the maximum permissible limit of the sum of the concentration of Lead, Cadmium, Mercury and Hexavalent Chromium is 100ppm.
- \*\* Single element with an amount of less than reporting limit were not considered by the calculation of the sum. In the case of all elements were less than reporting limit, the result is stated < RL.</p>



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3. 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 of REACH 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 REACH. 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 Result:**

Test No.	Material No.	Result (%)
T001	M001	< RL

Abbreviation: < = Less than

RL =Reporting Limit % =Percentage



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Remark:

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

	Substance	CAS No.	Reporting Limit
1	4,4'- Diaminodiphenylmethane (MDA)	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	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	107-06-2	0.01%
25	Bis(2-methoxyethyl) ether	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%
29	Strontium chromate (*2)(*3)	7789-06-2	0.01%
30	Potassium hydroxyoctaoxodizincatedichromate (*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 (DHNUP)	68515-42-4	0.01%



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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) [covering well-defined substances and UVCB substances, polymers and homologues]	-	0.01%
43	4-Nonylphenol, branched and linear [substances with a linear and/or branched alkyl chain with a carbon number of 9 covalently bound in position 4 to phenol, covering also UVCB- and well-defined substances which include any of the individual isomers or a combination thereof]	-	0.01%
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 $\geq$ 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(tributyItin) 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%
59	Cobalt dichloride (*2)	7646-79-9	0.01%
60	Acrylamide	79-06-1	0.01%
61	Anthracene oil, anthracene paste, distn. lights (*6)	91995-17-4	
62	Anthracene oil, anthracene paste, anthracene fraction (*6)	91995-15-2	
63	Anthracene oil, anthracene-low (*6)	90640-82-7	0.01% (*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%



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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	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	0.01%
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	
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	0.01%
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%



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104	Pentacosafluorotridecanoic acid	72629-94-8	0.01%
105	Tricosafluorododecanoic acid	307-55-1	0.01%
106	Henicosafluoroundecanoic acid	2058-94-8	0.01%
107	Heptacosafluorotetradecanoic 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	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%
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%



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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 (H2Si2O5), 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%
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	1120-71-4	0.01%
167	Nitrobenzene	98-95-3	0.01%
168	Perfluorononan-1-oic-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)	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%



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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%
179	Cadmium carbonate(*2)	513-78-0	0.01%
180	1,6,7,8,9,14,15,16,17,17,18,18- Dodecachloropentacyclo [12.2.1.16,9.02,13.05,10]octadeca-7,15-diene ("Dechlorane Plus"TM) [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	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	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	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 (*13)	-	0.01%
212	2-(4-tert-butylbenzyl)propionaldehyde and its individual stereoisomers	-	0.01%
213	Orthoboric acid, sodium salt (*2) (*5)	13840-56-7	0.01%



Page 13 of 15

214	2,2-bis(bromomethyl)propane1,3-diol (BMP) 2,2-dimethylpropan-1-ol, tribromo derivative/3-bromo-2,2-bis(bromomethyl)-1- propanol (TBNPA) 2,3-dibromo-1-propanol (2,3-DBPA)	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	119-47-1	0.01%
223	<ul> <li>(±)-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)</li> <li>(3E)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one</li> <li>(18,3E,4S)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one</li> <li>(±)-1,7,7-trimethyl-3-[(4-methylphenyl)methylene]bicyclo[2.2.1]heptan-2-one</li> <li>(18,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one</li> <li>(18,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one</li> <li>(18,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one</li> <li>(18,3E,4R)-1,7,7-trimethyl-3-(4-methylbenzylidene)bicyclo[2.2.1]heptan-2-one</li> </ul>	- 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-diylbisoxy]bis[2,4,6-tribromobenzene]	37853-59-1	0.01%
226	2,2',6,6'-tetrabromo-4,4'-isopropylidenediphenol	79-94-7	0.01%
227	4,4'-sulphonyldiphenol	80-09-1	0.01%
228	Barium diboron tetraoxide	13701-59-2	0.01%
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%

Remark:

- (\*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 confirmed and tested in terms of borate and the borate 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%.
- (\*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.

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- (\*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 Monooctyl tin and Dioctyl tin.
- (\*15) The substance is tested and calculated in terms of Dibutyl tin
- (\*16) The tested material(s) was 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 less than report limit.
- (\*18) The theoretical content of SVHC substances is calculated in terms of its respective elements. This material may contains the mentioned SVHCs, it is suggested to check the respective recipe if the theoretical content of the respective substance >0.1% in each article



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Sample Photo



- END -

🛕 TÜVRheinland® Precisely Right.

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

- Scope These General Terms and Conditions of Business of TUV Rhenland in Greater China ("CITCB") is made between the client and one or more member entities of TUV Rhenland in Greater China as applicable as the case may be ("TUV Rhenland"). The Greater China here of the theory of the theory of the theory of the client and the applicable laws who concludes the incorporated or unicorporated etity during contracts under the applicable laws who concludes the incorporated or unicorporated etity during contracts under the applicable laws who concludes the incorporated or unicorporated etity during contracts under the applicable laws. The blowing terms and conditions apply to agreed services including consultancy services, information, deleveries and similar services as well as an acting/services and other secondary Any standard terms and conditions of the client of any nature shall not apply and shall hereby be expressly excluded. No standard contractual terms and conditions of the client shall from part of the contract even if TUV Rheinland dee not explicitly deject to them. In the costed of an ongoing business relationsity with the direkt, this GTCB shall also apply to in the costed of the block terms. 1.1
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#### 2 Quotations

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### 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. Coming into effect and duration of contracts

### 3.1

- Coming into effect and duration of contracts The contract stalls core is to effect to the agreed terms upon the quotation ister of TUV Rheinland or a separate contractual document being signed by both contracting parties, or upon the works without recently a quotation from TUV Rheinland (quotation, TUV Rheinland (quotation), TUV Rheinland (quotation, TUV Rheinland (quotation), TUV Rheinland (quotation
- 3.2 3.3

### Scope of services

- Scope of services. The scope and type of the services to be provided by TOV Rhenkand shall be specified in the contractually agreed services scope of TOV Rhenkand by both parties. If no such separate service scope of TOV Rhenkand exists, then the written confirmation of order by TOV Rhenkand shall be decisive for the service to provided. Unless of thermise agreed, services beyond the scope of the standard services and the service decision of order by TOV Rhenkand shall be application of such are not one of the service decision of order by TOV Rhenkand hall be application of such are not one. In particular, or responsibility is assumed for the design, unless this approximation model takes in the service decisions, as well as the intended use and application of such are not one. In particular, or responsibility is assumed for the design, unless this approximation and takes the end of the service decisions. The Market Decisions are not contract is sentence with the resplations in force at the time the contract is sentence in the orient sectors. In the model on nature of the assessment unless otherwise agreed in writing or it mandatory provisions require a specific procedure to be followed. The bio simultaneous processes, or gataretise of the application in accordance with regulators, nor of here systems on which the initiation is abreed in application in accordance with regulators, nor of the systems on which the initiation is accordance with regulators, nor of the initiation is assumed and the particular of the initiation in accordance with regulators, nor of here and application in accordance with regulators, unless these expections are expressibly covered by the contract. In the case of initiations coardinary with regulators, and the systems on which the initiation is abreed in and assembly of initiations coardinary. Where the advect is and application in accordance with regulators, and the the responsibility to and assembly of initiations coardinary. Where the advect is and application in a 41 42
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- particular, TUV Rhenhand all assume no responsibility for the construction, selection of materials and assembly of mataliadons avanted, nor by there used an application accordance with responsible. The case of installation is avanted, nor by the provide by the contract. The case of installation is avanted by Rhenhand all and the Importants for the gap estimation of the second of the contract, with a with the inspection with the inspections are together and the contract with a without and the second of the contract with a within robot to the the inspections are together and the contract with a within robot to the the inspections are together and the contract with a within robot to the together and the contract with a within robot to the second of the appeal excises of the second of the appeal excises of the contract with a within robot to the second of the appeal excises. This also applies if the contract is a great excises with the contract with a within the contract within a within the contract within a within the services of TUV Rhenhand, and the services at the contract within a within the contract within a within the services at the contract within a within the contract within a within the service of TUV Rhenhand, and the direct services at the contract with a within the service of the contract within a within the services at the service of the contract within a within the service of the contract with within the service of the contract with
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### rmance periods/dates

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- Performance period/diales The contractually agreed period/diales of performance are based on estimates of the work involved which are prepared in line with the data provided by the clerit. They shall only be binding if being confirmed as binding VD Rehealed an event diale that the source of the second second second second second second dialest the schematic data required documents to TUV Rehealed an event diaret has submitted at required documents to TUV Rehealed and the schematic data required diaret has schematic data required documents to TUV Rehealed and the schematic data and the diaret has schematic data required documents to TUV Rehealed and the schematic data and and agreed period/diales of performance net caused by TUV Rehealed and the schematic data and addialed to Rehealed and a responsible for a dely in performance, in particular if the effertmance of the service as peefied in the contract. If the performance of TUV Reheritand is delayed due to underseeable period frames such as force rehealed to papetonse period by the performance be associated by performance if the service associated to papetonse period by the direct the area to the service performance of TUV Reheritand is delayed due to underseeable period frame which corresponds at least to the duration of the hindrance plus any time period which may be required to resume performance. 5.5
- least to the duration of time miniaring participant and the performance performance. 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 TUV Rheinland, which deadlines, it is the client's responsibility to agree on performance dates with TUV Rheinland, which are the transferred for the client's responsibility of the client's rescribed deadlines. TUV Rheinland 5.6 being in the net energies incident the legal and/or officially prescribed deadlines. Turburk, where the her client to comply with the legal and/or officially prescribed deadlines. Turburk herinland umes no responsibility in this respect unless TUV Rheinland expressly agreed in writing clically stating that ensuring the deadlines is the contractual obligation of TUV Rheinland. enable the assumes r

### The client's obligation to cooperate

- The client shall guarantee that all cooperation required on its part, its agents or third parties will be provided in good time and at no cost to TÜV Rheinland. 6.1
- 6.2
- provided in good time and at no cost to TUV Rheimand.
  the service shall be services shall be service shall be 6.3

#### Prices

- Prices If the scope of performance is not laid down in writing when the order is placed, involcing shall be based on costs actually incurred. If no price is agreed in writing, involcing shall be made in accordance with the price list of UTW Reinhand valid at the time of performance. Unless otherwise agreed, work shall be involced according to the progress of the work. If the execution of an order adverted over more than one month and the value of the contract or the agreed fixed price seceeds 2,2500.00 or equivalent value in local currency. TUV Rhenland may demine Jaynemis to account or in indiaments. 7.1
- 7.2 7.3

#### Payment terms 8

- 8.1 8.2
- Invoice amounts shall be due for payment within 50 days of the tracked date without deduction receipt of the mixed, no discounts and reclasses shall be granted. Invoices and client numbers. The share of the state of the share of the share of the share of the mixed share of the shares and share numbers. The share of the shares of the shares of the share of the share of the shares of the shares of the shares of the shares of the share the share the share of the shares of the shares of the share of the shares the right to the shares of the shares of the shares of the right to the shares of the shares of the shares of the shares of the right to the shares of the shares of the shares of the shares of the right to the shares of 8.3
- unity where TÜV Rheirland is located. At the same time, TUV running water in Minther damages, could the client default in payment of the invoice despite being granted a reasonable grace could the client default in payment of the invoice despite being granted as reasonable grace and TUV Rheinen shall be eritide to concide the contract, whethere the certificate, client as provisions set forth in article 5.4 shall also apply in cases involving returned cheques, session of payment, commencement of insolvency proceedings has been dismissed due to lack of the the commencement of insolvency proceedings has been dismissed due to lack of clai Shr 8.4
- damage The pro 8.5 13.1
- assets. Objections to the invoices of TÜV Rheinland shall be submitted in writing within two weeks of receipt of the invoice. TÜV Rheinland shall be entitled to demand appropriate advance payments. 86

This GTCB is only used for TÜV Rheinland Business Stream Products Version 5.0/February 2023

- 87
  - February 2023

- 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, TÜV Rheinland shall notify the direct in witting of the shall come into feet (period of notice) of charges in fees). If there is no fees remain under SNs contractual year, the client shall not have the right to ferminate the contract. If the rise in fees exceeds SNs per contractual year, the client shall not have the right to ferminate the contract. If the rise in fees exceeds SNs per contractual year, the client shall be entitied to terminate the contract. If the rise in fees exceeds SNs per contract lay the rise that is the shall be dismut to the contract, the charge in fees. 8.8
- Only legally established and undigued chains may be offer against claims by TÜV Rheinland. TÜV Rheinland shall have the right at all times to setoff any amount due or payable by the client, including but not limited to setoff against any fees paid by the client under any contracts, agreement and/or orders/quotations reached with TÜV Rheinland. 8.9 8.10
- Acceptance of work
- 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 inmediately. Instein the provide the start of the start 9.1
- 9.2
- 9.3
- 9.4 9.5
- The client is not entitled to make acceptance due to insignificant Oreacn a currence of UV file acceptance is excluded according to the nature of the work performance of TÜV Rheinland, the Countig 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/set/mance by TÜV Rheinland and the complication of the scope of a certification procedure for auditing/set/mance by TÜV Rheinland and the complication is thereafter to be whitehowing (e.g. performance of surveillance auditing) of if the client as compensation for expenses. The client reserves the right proves that the TUV Rheinland has incurred no damage whatsoever or only a considerably lower damage than the above lung sum. Insofars as the client has undertakein in the contract to acceptives. TUV Rheinland has the provide the service is not called within one year after the orthe tab scene placed. The client reserves the right to prove that the TUV Rheinland has also 9.6

#### Confidentiality

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- a) b)
- c)
- 10.4
- 10.5 a)
- b) c) 16.4 10.6
- <text><text><text><text><text><text><text><text><text><text> documentation purposes required by laws, regulations and the requirements of working procedures of TUP Rheinland. 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 thrift parties or use if for itself.

### Copyrights and rights of use, publications

- TÜV Rheinland shall retain all exclusive copyrights in the reports, expert reports/opinions, test reports/results, results, calculations, presentations etc. prepared by TÜV Rheinland, unless otherwise agreed by the parties in a separate agreement. As the owner of the copyrights, TÜV Rheinland is fire to grant others the right to use the work results for individual or all types of use 11.1 11.2
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- Childrette digitale di yi the parter in a separate appresent. A construction of the co 18.1 18.2

#### 12. Liability of TÜV Rheinland 12.1

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- Liability of TÜV Rheinland Irrespective of the legal basis to the fullest extent permitted by applicable law, in the event of an basis of constrained beginners of the TUV Basis of TUV Reparator for all damages, bases are shall be limited to: (i) in the case of a contract twin and the permitted basis, a maximum of the entrie contract, (ii) in the case of a contract twin and the permitted basis, a maximum of the entries contract, (iii) in the case of a contract twin and the permitted basis, a maximum of the entries contract, contract supersay change on a time and material basis, a maximum of that provides for the possibility of patient entries the twent of the the entries outcast, and the damages of bases have occurred. Natwithstanding the above, in the event that the built and excurated liability accurates and the start of the trace of a contract twinner and with the damages of bases have occurred. Natwithstanding the above, in the event that the built and contract twinners in the start of the trace of the trace of the trace of the trace Rheinland that be only limited to and shall not exceed the said 2.5 Million Euro or equivalent contract in basis and that the top of the anges for a parson's density, physical largo, or dises. In cases involving a landamental breach of contract, TUV Rheinland will be lable even where minor regignerse is involving a landamental breach of contract, TUV Rheinland will be lable even where minor regignerse is involving a landamental breach of contract, the breach of contract is the said of the anges and the bases seasonably foreseening a nature to consequenced stark the prevent's breach of the said according the same of the said of the theory the consequenced stark the breach of the same of the theory of the same of the trace of the same of the same of the theory of the same of

- breach (reasonably foreseeable damage), uries any of the circumsures because at a sum-22 applies. The second seco
- Unless otherwise contractually agreed in writing, TÜV Rheinland shall only be liable under the contract to the clent. The Imitation periods for claims for damages shall be based on statutory provisions. None of the provisions of this article 12 changes the burden of proof to the disadvantage of the clert. 12.6 12.7

#### 13. Export control

When passing on the services provided by TÜV Rheinland or parts thereof to third parties in Greater China or other regions, the client must comply with the respectively applicable regulations of national and international export control laws.

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 foreign trade legislations or embargos 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 bases incured thereof by TÜV Rheinland.

### Data protection notice

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Data protection notice: The clear understands and agrees that TVV Rheiniand processes personal data (including but not supplied the clear bits the purpose of Additing this contract. The clear confirms that it has observed the prior consent of the data subject, which entitles TVV Rheiniand to access, use, or process the personal data that the clear collected or processes by head and unselfierd to TVV use and process the data in accordance with her relevant legal basis. If any personal data that he clear disclosed or transferred to any thing youry or any oversease by head and use that is to be disclosed or transferred to any thing youry or any oversease by head and table that is the personal data was collected, the clear data occurs that has collaried the prior consent of the personal data subject, the clear data occurs and the scalar data is the disclosed or transferred to TVV clear and process the data in accordance with her relevant legal basis. If any personal data has to be disclosed or transferred to any thing party or any oversease party outside of the data is the the personal data was collected, the clear data occurs data basis to the disclose in China and the local country. TVV Rheinland will take measures to avoid any leakage, abuse, mainplation, ond as a corresponding reason of disclose arises. Busibests may exercise the blockware prights: right of information, right of accession, right of nextication, right of deletion, right of processing here right to file to compliant with the completent data protection subjects may exercise the blockware processing operanoval data by TVV Rheinland as the person represention of contral processing operanoval data by TVV Rheinland as the person represention be contral processing operanoval data by TVV Rheinland as the person represention for thread processing operanoval data by TVV Rheinland as the person represention of contrals the Group blockware datases. TVV Rheinland AG, cio Group Data Protection Offser, Am Grauen Steel, 51100 Cologne, Germ

### Retention of test material and documentation

- Retention of test material and documentation The last samples avointist by the certent to TUV Pheniand for testing will be scrapped following testing or will be returned to the client at the client's expense. The only exceptions are test samples, which are placed in storage on the basis of statutory regulations or of another agreement with the client. The statut samples of the samples are stored at the premises of TUV Pheniand. The cost of placing clients sample for storage with be discussed to the client to be placed in storage at their premises, the reference samples or documentations must be made available to TUV Pheniand of making available the reference amples and/or documentations, many lability claims for material and pecunity dynamic results (To Monitoria) and a storage for them is thoraged forward by the client's against TUV Reteniand shall be volded. Client's against TUV Reteniand shall be volded.

### Termination of the contract

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- Certaination of the contract of the CRCS, TUV Rheinland and the cleant are stilled to terminate the forthard in the interface of a devices combination of the remaining strengtheness of the contract hiddwidely and independently of the contraction of the remaining strengtheness of the contract hiddwidely and independently of the contraction of the remaining strengtheness of the contract hiddwidely and independently of the contraction of the remaining strengtheness of the contract hiddwidely and independently of the contraction of the remaining strengtheness of a suspension of the acceleration or conflict strengtheness of the contract hiddwidely and independently of the contraction of the leant to terminate the strengtheness of the contract. The strengtheness of the contract hiddwidely into the termination date of the contract. The strengtheness of the contract hiddwidely into the termination date of the contract. The strengtheness of the contract hiddwidely into the termination of the strengtheness of the contract hiddwidely into the termination date of the contract hiddwidely into the termination of the strengtheness of the strengtheness of the contract hiddwidely into the termination of the strengtheness of the strengtheness

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Hardship The Parties are bound to perform their contractual duties even if events have rendered performance more onerous than could reasonably have been anticipated at the time of the conclusion of the

more encrusa than could reasonably have been anticipated at the time of the conclusion of the Nobehthatanding paragraph of this Clause, where a Party proves that: (a) the continued performance of its contractual dates has become excessively onerous due to an evert beyond in seasonable contractual which it could not executely have been expected to be an evert beyond in assonable contractual which is could not executely have been expected to be an evert beyond and not executed on the invocation of the Clause, to regoting the event contractual terms which reasonably allow to overcome the consequences of the event. Contractual terms which reasonable mice approach the paragraph. The Party howing this Clause is entitled to terminable the contract, but cannot request adaptation by the judge or arbitrator without the agreement of the Party.

Partial invalidity, written form, place of jurisdiction and dispute resolution All amendments and supplements must be in writing in order to be effective. This also apples to amendments and supplements must be invalidity in order to be the structure of the provision in the gard and even of the provision and the structure of the provision in the gard and commercial terms provision that consists to the context of the invalid provision in tegal and commercial terms of the structure of the provision and the structure of the

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