Report No.: **248181778-01**

Client:	**PT NOVO COMPLAST INDONESIA**
Contact Information:	Jl. Raya Serang KM 13.8, RT003 RW 002, Kampung Cirewed, Desa Sukadamai, Cikupa, Banten 15710
Test item(s):	Plastic Material
Identification/ Model No(s):	Cut-out Piece of HDPE Plastic Drums
Sample obtaining method:	Sending by customer
Sample Receiving date:	2026-07-27
Testing Period:	2026-07-28 to 2026-08-03
Place of testing:	Softlines Laboratory Vietnam

Test Specification:	*Test result:*
Packaging and Packaging Waste Regulation (PPWR) (Regulation (EU) 2025/40) - Test parameter(s) chosen by client:	
1. Total Heavy Metals Test	PASS
2. Total Fluorine Content	PASS
3. PFAS as Per- and polyfluoroalkyl substances	PASS
Performed parameter(s) selected by client for the compliance with the following regulations concerning materials in contact with foodstuff: Commission Regulation (EU) No 2024/3190 of 19 December 2024	
4. Specific Migration of Bisphenols	PASS

For and on behalf of
TÜV Rheinland Vietnam Co., Ltd.

TÜV Rheinland Vietnam Co., Ltd.

2026-08-24 — Hoa Thi Xuan Dieu / Senior Project 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/vietnam/en/lp/qm-vn/) describes the statement of conformity and its rule of enforcement for test results are applicable throughout this test report, unless otherwise be required by the standard or requested by the customer.

Material List:

Item: Cut-out Piece of HDPE Plastic Drums

Material No.	Material	Color	Location
M001	Plastic	White	Cut Pieces of IBC
M002	Plastic	Translucent white	Plastic granules

1.Total Heavy Metals Test

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

Result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Result	Conclusion
T001	M002	Pb	mg/kg	10	100 (total of Pb, Cd, Cr(VI) and Hg)	n.d.	Pass
		Cd	mg/kg	10		n.d.	
		Cr (VI)	mg/kg	3		n.d.	
		Hg	mg/kg	10		n.d.	

Abbreviation: n.d. = not detected (< Reporting Limit)
RL = Reporting Limit
mg/kg = milligram per kilogram

Remark:

*** Single element with an amount of less than the detection limit were not considered by the calculation of the sum. In the case of all elements were not detected, the result is stated < RL

2. Total Fluorine Content

Test Method: With reference to EN 14582:2016 and determined by Ion Chromatography.

Test Result:

Test No.	Material No.	Test Parameter	Unit	RL	Regulatory Requirement	Test Result	Conclusion
T001	M002	Fluorine (F) content	mg/kg	50	50	n.d.	Pass

Abbreviation: n.d. = Not Detected
RL = Reporting Limit
mg/kg = milligram per kilogram

3.PFAS as Per- and polyfluoroalkyl substances

Test Method: THF extraction, determination by GC-MSMS and LC-MSMS

Test Result :

			Test No.	T001
			Material No.	M002
Test Parameter	CAS NO	Unit	RL	Result
Perfluoro-3,7-dimethyloctanoic acid (PF-3,7-DMOA)	172155-07-6	ppb	10	n.d.
Perfluorodecane Acid (PFDA)	335-76-2	ppb	10	n.d.
Perfluorodecanoate / Nanodecafluorodecanoic acid anion	73829-36-4	ppb	10	n.d.
Perfluorodecanoate ammonium salt (PFDA-NH4)	3108-42-7	ppb	10	n.d.
Sodium nonadecafluorodecanoate (PFDA-Na)	3830-45-3	ppb	10	n.d.
Potassium perfluorodecanoate (PFDA-K)	51604-85-4	ppb	10	n.d.
Lithium perfluorodecanoate (PFDA-Li)	84743-32-8	ppb	10	n.d.
Silver perfluorodecanoate (PFDA-Ag)	5784-82-7	ppb	10	n.d.
Perfluorodecanoic Anhydride	942199-24-8	ppb	10	n.d.
Perfluorodecanoyl chloride (PFDA-Cl)	307-38-0	ppb	10	n.d.
Perfluorododecanoic Acid (PFDoDA)	307-55-1	ppb	25	n.d.
Perfluorododecanoate / Tricosafluorododecanoic acid anion	171978-95-3	ppb	25	n.d.
Ammonium tricosafluorododecanoate (PFDoDA-NH4)	3793-74-6	ppb	25	n.d.
Sodium perfluorododecanoate (PFDoDA-Na)	307-67-5	ppb	25	n.d.
Perfluorodecane sulfonic acid (PFDS)	335-77-3	ppb	10	n.d.
Sodium perfluorodecanesulfonate (PFDS-Na)	2806-15-7	ppb	10	n.d.
Potassium perfluorodecanesulfonate (PFDS-K)	2806-16-8	ppb	10	n.d.
Perfluorodecanesulfonic acid ammonium salt (PFDSNH4)	67906-42-7	ppb	10	n.d.
Perfluorodecanesulfonate / Henicosafluoro-1-decanesulfonic acid anion	126105-34-8	ppb	10	n.d.
Perfluorodecane sulfonic anhydride	51667-62-0	ppb	10	n.d.
Perfluorodecanesulphonyl chloride (PFDS-Cl)	32779-61-6	ppb	10	n.d.

Perfluorodecanesulphonyl Fluoride (PFDS-F)	307-51-7	ppb	10	n.d.
Perfluorononane Acid (PFNA)	375-95-1	ppb	10	n.d.
Perfluorononanoate / Heptadecafluorononanoic acid anion	72007-68-2	ppb	10	n.d.
Sodium heptadecafluorononanoate (PFNA-Na)	21049-39-8	ppb	10	n.d.
Perfluorononanoate ammounium salt (PFNA-NH4)	4149-60-4	ppb	10	n.d.
Potassium perfluorononanoate (PFNA-K)	21049-38-7	ppb	10	n.d.
Lithium perfluorononanoate (PFNA-Li)	60871-92-3	ppb	10	n.d.
Silver perfluorononanoate (PFNA-Ag)	7358-16-9	ppb	10	n.d.
Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9 heptadecafluoro-, compd. with Nethylethanamine (1:1)	77032-27-0	ppb	10	n.d.
Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9 heptadecafluoro-, compd. with Nmethylmethanamine (1:1)	77032-24-7	ppb	10	n.d.
Nonanoic acid, heptadecafluoro-, compd. with methanamine (1:1) (9CI)	77032-23-6	ppb	10	n.d.
Nonanoic acid, heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (9CI)	327176-80-7	ppb	10	n.d.
Nonanoic acid, heptadecafluoro-, compd. with piperidine (1:1) (9CI)	95682-66-9	ppb	10	n.d.
Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9 heptadecafluoro-, compd. with benzenamine (1:1)	95682-67-0	ppb	10	n.d.
Nonanoic acid, heptadecafluoro-, compd. with cyclohexanamine (1:1) (9CI)	328531-06-2	ppb	10	n.d.
Perfluorononanoyl Fluoride (PFNA-F)	558-95-2	ppb	10	n.d.
Perfluorononanoyl Chloride (PFNA-Cl)	52447-23-1	ppb	10	n.d.
Heptadecafluorononanoyl Bromide (PFNA-Br)	261503-42-8	ppb	10	n.d.
4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptadecafluorononanoate	298703-33-0	ppb	10	n.d.
Perfluorononanoic Anhydride	228407-54-3	ppb	10	n.d.
Perfluorotetradecanoic Acid (PFTDA)	376-06-7	ppb	10	n.d.
Perfluorotetradecanoate / Heptacosafluorotetradecanoic acid anion	365971-87-5	ppb	10	n.d.

Perfluorotridecanoic Acid (PFTrDA)	72629-94-8	ppb	10	n.d.
Perfluorotridecanoate anion (PFTrDA)	862374-87-6	ppb	10	n.d.
Sodium perfluorotridecanoate (PFTrDA-Na)	60872-01-7	ppb	10	n.d.
Ammonium perfluorotridecanoate (PFTrDA-NH4)	4288-72-6	ppb	10	n.d.
Perfluoroundecanoic Acid (PFUnDA)	2058-94-8	ppb	25	n.d.
Perfluoroundecanoate / Henicosafluoroundecanoic acid anion	196859-54-8	ppb	25	n.d.
Ammonium perfluoroundecanoate (PFUnDA-NH4)	4234-23-5	ppb	25	n.d.
Sodium perfluoroundecanoate (PFUnDA-Na)	60871-96-7	ppb	25	n.d.
Potassium perfluoroundecanoate (PFUnDA-K)·	30377-53-8	ppb	25	n.d.
Calcium perfluoroundecanoate (PFUnDA-Ca)	97163-17-2	ppb	25	n.d.
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	ppb	25	n.d.
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	ppb	25	n.d.
1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA)	2144-54-9	ppb	25	n.d.
1H,1H,2H,2H-Perfluoro-1-dodecaol (10:2 FTOH)	865-86-1	ppb	50	n.d.
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	ppb	10	n.d.
1H,1H,2H,2H-Perfluorododecane sulfonic Acid sodium (10:2 FTS)	108026-35-3	ppb	50	n.d.
3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-Henicosafluorododecane-1sulphonyl chloride (10:2 FTS-Cl)	27619-91-6	ppb	50	n.d.
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	ppb	25	n.d.
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	ppb	50	n.d.
2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnDA / 8:3 FTCA)	34598-33-9	ppb	10	n.d.
Potassium 2H,2H,3H,3H-Perfluoroundecanoate (H4PFUnDA-K / 8:3 FTCA-K)	83310-58-1	ppb	10	n.d.

Lithium 3-(perfluorooctyl)propanoate (H4PFUnDA-Li)	67304-23-8	ppb	10	n.d.
Perfluorodecyl iodide	423-62-1	ppb	50	n.d.
1H,1H,2H,2H-Perfluoro-1-decyl iodide	2043-53-0	ppb	50	n.d.
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2	ppb	50	n.d.
7H-Dodecanefluoroheptane Acid (7HPFHpA)	1546-95-8	ppb	10	n.d.
7-H-Perfluoroheptanoate / 2,2,3,3,4,4,5,5,6,6,7,7-Dodecafluoroheptanoic acid anion	69681-35-2	ppb	10	n.d.
2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoic acid, sodium salt	2264-25-7	ppb	10	n.d.
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7 dodecafluoroheptanoate (HPFHpA-NH4)	376-34-1	ppb	10	n.d.
7H-Perfluoroheptanoyl Fluoride (HPFHpA-F)	5927-65-1	ppb	10	n.d.
7H-Perfluoroheptanoyl Chloride (HPFHpA-Cl)	41405-35-0	ppb	10	n.d.
7H-Perfluoroheptanoyl Iodide (HPFHpA-I)	137741-05-0	ppb	10	n.d.
Potasium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate	-	ppb	10	n.d.
Lithium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate	-	ppb	10	n.d.
7H-Perfluoroheptanoyl Bromide (HPFHpA-Br)	141893-84-7	ppb	10	n.d.
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid (HPFO-DA)	13252–13–6	ppb	10	n.d.
Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionate (HFPO-DA-K)	67118-55-2	ppb	10	n.d.
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionyl fluoride (HFPO-DA-F)	2062-98-8	ppb	10	n.d.
2,3,3,3-Tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propanoate / Perfluoro(2-propoxypropanoic acid anion	122499-17-6	ppb	10	n.d.
(1-Methylpiperidin-3-yl)methyl 2,3,6-triiodobenzoate;2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propanoic acid	2412106-69-3	ppb	10	n.d.
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, ammonium salt (HFPO-DA-NH4)	62037-80-3	ppb	10	n.d.

Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-	75579-39-4	ppb	10	n.d.
Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-	75579-40-7	ppb	10	n.d.
Triethylaminium perfluoro-2-propoxypropanoate (HFPO-DA-NH(C2H5)3)	165951-18-8	ppb	10	n.d.
2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid--N-propylpropan-1-amine (1/1)	165951-17-7	ppb	10	n.d.
Sodium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate (HFPO-DA-Na)	67963-75-1	ppb	10	n.d.
Perfluorobutane Acid (PFBA)	375-22-4	ppb	25	n.d.
Perfluorobutanoate / Heptafluorobutanoic acid anion	45048-62-2	ppb	25	n.d.
11beta-Hydroxysaxitoxin bis (trifluoroacetate)	1923856-43-2	ppb	25	n.d.
4-[(6-Methoxypyridazin-3-yl)sulfamoyl]anilinium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	298703-31-8	ppb	25	n.d.
N~5~-(5-Hydroxy-4,6-dimethylpyrimidin-2-yl)-L-ornithine--heptafluorobutanoic acid (1/2)	936233-19-1	ppb	25	n.d.
Heptafluorobutanoic acid-1-phenylpiperazine(1:1)	2263-11-8	ppb	25	n.d.
4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1)	--	ppb	25	n.d.
Sodium perfluorobutanoate (PFBA-Na)	2218-54-4	ppb	25	n.d.
Potassium heptafluorobutanoate (PFBA-K)	2966-54-3	ppb	25	n.d.
Silver perfluorobutanoate (PFBA-Ag)	3794-64-7	ppb	25	n.d.
Lithium perfluorobutanoate (PFBA-Li)	4146-76-3	ppb	25	n.d.
Heptafluorobutanoic acid-piperazine (1:1)	375-04-2	ppb	25	n.d.
Dirhodium(II) heptafluorobutyrate (PFBA-Rh)	73755-28-9	ppb	25	n.d.
Calcium perfluorobutanoate	2366-98-5	ppb	25	n.d.
Heptafluorobutyryl Fluoride (PFBA-F)	335-42-2	ppb	25	n.d.
Heptafluorobutyric anhydride	336-59-4	ppb	25	n.d.
Heptafluorobutanoyl Bromide (PFBA-Br)	375-13-3	ppb	25	n.d.
Heptafluorobutyramide (PFBA-NH2)	662-50-0	ppb	25	n.d.
Heptafluorobutyryl chloride (PFBA-Cl)	375-16-6	ppb	25	n.d.

Perfluorobutanesulfonic acid (PFBS)	375-73-5	ppb	10	n.d.
Potassium perfluorobutanesulfonate (PFBS-K)	29420-49-3	ppb	10	n.d.
Lithium perfluorobutanesulfonate (PFBS-Li)	131651-65-5	ppb	10	n.d.
Ammonium perfluorobutanesulfonate (PFBS-NH4)	68259-10-9	ppb	10	n.d.
Magnesium perfluorobutanesulfonate (PFBS-Mg)	507453-86-3	ppb	10	n.d.
Triphenylsulfonium perfluorobutanesulfonate (TPSPFBS)	144317-44-2	ppb	10	n.d.
Tetrabutyl-phosphonium perfluorobutanesulfonate	220689-12-3	ppb	10	n.d.
N,N,N,-Triethylethanaminium 1,1,2,2,3,3,4,4,4nonafluorobutane-1-sulfonate	25628-08-4	ppb	10	n.d.
N-Morpholinium perfluorobutanesulfonate	503155-89-3	ppb	10	n.d.
Bis(4-tert-butylphenyl)iodonium perfluoro-1butanesulfonate	194999-85-4	ppb	10	n.d.
Dimethyl(phenyl)sulfanium perfluorobutanesulfonate	220133-51-7	ppb	10	n.d.
Sodium perfluorobutanesulfonate (PFBS-Na)	60453-92-1	ppb	10	n.d.
1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid, compound with 2,2'-iminodiethanol (1:1)	70225-18-2	ppb	10	n.d.
Diphenyliodanium nonafluorobutane-1-sulfonate (PFBS-I(C6H5)2)	194999-82-1	ppb	10	n.d.
1-Ethyl-3-methylpyridin-1-ium nonafluorobutane-1-sulfonate	1015420-87-7	ppb	10	n.d.
3-Hexyl-1-methyl-1H-Imidazolium perfluorobutanesulfonate	1001557-05-6	ppb	10	n.d.
N,N-Dimethyl-N-(propan-2-yl)propan-2-aminium nonafluorobutane-1-sulfonate	374571-81-0	ppb	10	n.d.
Zinc bis(nonafluoro-1-butanesulfonate) (PFBS-Zn)	502457-69-4	ppb	10	n.d.
Tetramethylammonium perfluorobutane sulfonate (PFBS-N(CH3)4)	25628-17-5	ppb	10	n.d.
Tetrabutylammonium nonafluorobutanesulfonate ((PFBS-N(C4H9)4))	108427-52-7	ppb	10	n.d.
1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	124472-66-8	ppb	10	n.d.

1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate	209482-18-8	ppb	10	n.d.
Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	241806-75-7	ppb	10	n.d.
Sulfonium, (4-cyclohexylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	425670-64-0	ppb	10	n.d.
1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	56773-55-8	ppb	10	n.d.
Sulfonium, [4-[2-(1,1-dimethylethoxy)-2-oxoethoxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	857285-80-4	ppb	10	n.d.
Thiophenium, tetrahydro-1-(1-methyl-1H-indol-3-yl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	867373-18-0	ppb	10	n.d.
1H-Imidazolium, 1-methyl-3-octyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	905972-83-0	ppb	10	n.d.
4-Methylphenyldiphenylsulfonium perfluorobutanesulfonate	284474-28-8	ppb	10	n.d.
1-Butyl-3-methylimidazolium nonafluorobutanesulfonate	174899-80-0	ppb	10	n.d.
1-Ethyl-3-methylimidazolium nonafluoro-1-butanesulfonate	174899-79-7	ppb	10	n.d.
Triethylammonium perfluorobutane sulfonate	182059-38-7	ppb	10	n.d.
N-(2-Hydroxyethyl)-N,N-dimethyl-1-octanaminium perfluoro-1-butanesulfonate (1:1)	334529-55-4	ppb	10	n.d.
1-Hexadecylpyridinium perfluoro-1-butanesulfonate	334529-62-3	ppb	10	n.d.
1-Butylpyridinium perfluoro-1-butanesulfonate	334529-64-5	ppb	10	n.d.
N-Methyl-N,N-dioctyl-1-octanaminium perfluoro-1-butanesulfonate	495417-51-1	ppb	10	n.d.
Sulfonium, tris(4-methylphenyl)-, salt with perfluoro-1-butanesulfonic acid (1:1)	722538-68-3	ppb	10	n.d.
Perfluorobutanesulphonyl chloride (PFBS-Cl)	2991-84-6	ppb	10	n.d.
Perfluorobutanesulfonyl fluoride (PFBS-F)	375-72-4	ppb	10	n.d.
Perfluorobutane sulfonic acid hydrate (PFBS-H2O)	59933-66-3	ppb	10	n.d.

Diphenyl 4-tertbutylphenylsulfonium nonafluorobutanesulfonate	258872-05-8	ppb	10	n.d.
Perfluorobutanesulfonic anhydride	36913-91-4	ppb	10	n.d.
[4-(2-Methylpropyl)phenyl]-diphenylsulfanium;1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	1375211-36-1	ppb	10	n.d.
N-Ethyl-N-methyl-N-propylammonium perfluorobutanesulfonate	1186599-90-5	ppb	10	n.d.
3-Methyl-1-propyl-1H-imidazol-3-ium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	885621-97-6	ppb	10	n.d.
3-Methyl-1-pentyl-1H-imidazol-3-ium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	1001557-04-5	ppb	10	n.d.
(4-Methoxyphenyl)-diphenylsulfanium;1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	1029635-01-5	ppb	10	n.d.
Heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl} azanium nonafluorobutane-1-sulfonate	1203998-93-9	ppb	10	n.d.
1-Dodecyl-3-methyl-1H-imidazol-3-ium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	1797402-57-3	ppb	10	n.d.
1-Decyl-3-methyl-1H-imidazol-3-ium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	1829574-03-9	ppb	10	n.d.
1-Heptyl-3-methyl-1H-imidazol-3-ium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	1829575-10-1	ppb	10	n.d.
Trimethylsilyl nonafluorobutanesulfonate	68734-62-3	ppb	10	n.d.
Perfluorobutane sulfonate / Nonafluorobutane-1-sulfonoic acid anion	45187-15-3	ppb	10	n.d.
Perfluoroheptane Acid (PFHpA)	375-85-9	ppb	10	n.d.
Perflluoroheptanoate / Tridecafluoroheptanoic acid anion	120885-29-2	ppb	10	n.d.
Sodium perfluoroheptanoate (PFHpA-Na)	20109-59-5	ppb	10	n.d.
Potassium perfluoroheptanoate (PFHpA-K)	21049-36-5	ppb	10	n.d.
Ammonium perfluoroheptanoate (PFHpA-NH4)	6130-43-4	ppb	10	n.d.
Silver perfluoroheptanoate (PFHpA-Ag)	424-05-5	ppb	10	n.d.
Cesium perfluoroheptanoate (PFHpA-Cs)	171198-24-6	ppb	10	n.d.
Lithium perfluoroheptanoate (PFHpA-Li)	60871-90-1	ppb	10	n.d.

Perfluoroheptanoyl Fluoride (PFHpA-F)	375-84-8	ppb	10	n.d.
Perfluoroheptanoyl Chloride (PFHpA-Cl)	52447-22-0	ppb	10	n.d.
Perfluoroheptanoic Anhydride	78225-99-7	ppb	10	n.d.
Perfluoroheptanoyl Bromide (PFHpA-Br)	159623-34-4	ppb	10	n.d.
Perfluoroheptanesulfonic acid (PFHpS)	375-92-8	ppb	10	n.d.
Perfluoroheptane sulfonate / Pentadecafluoroheptane-1-sulfonoic acid anion	146689-46-5	ppb	10	n.d.
Triethylammonium perfluoroheptane sulfonate (PFHpS-NH(C2H5)3)	72033-40-0	ppb	10	n.d.
Sodium perfluoroheptanesulfonate (PFHpS-Na)	21934-50-9	ppb	10	n.d.
Potassium perfluoroheptanesulfonate (PFHpS-K)	60270-55-5	ppb	10	n.d.
Sodium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoroheptane-1-sulfonate	68555-66-8	ppb	10	n.d.
Ammonium perfluoroheptanesulfonate (PFHpS-NH4)	68259-07-4	ppb	10	n.d.
Lithium perfluoroheptanesulfonate (PFHpS-Li)	117806-54-9	ppb	10	n.d.
Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate	70225-15-9	ppb	10	n.d.
Tetraethylammonium perfluoroheptane sulfonate	439863-97-5	ppb	10	n.d.
Perfluoroheptanesulfonyl Fluoride (PFHpS-F)	335-71-7	ppb	10	n.d.
Perfluoroheptanesulfonyl chloride(PFHpS-Cl)	33018-82-5	ppb	10	n.d.
Perfluoroheptane sulfonic anhydride	140429-92-1	ppb	10	n.d.
Perfluoropentane Acid (PFPeA)	2706-90-3	ppb	25	n.d.
Perfluoropentanoate / Nonafluoropentanoic acid anion	45167-47-3	ppb	25	n.d.
Sodium perfluoropentanoate (PFPeA-Na)	2706-89-0	ppb	25	n.d.
Potasium perfluoropentanoate (PFPeA-K)	336-23-2	ppb	25	n.d.
Ammonium perfluoropentanoate (PFPeA-NH4)	68259-11-0	ppb	25	n.d.
Lithium perfluoropentanoate (PFPeA-Li)	198482-22-3	ppb	25	n.d.
Silver perfluoropentanoate (PFPeA-Ag)	2795-30-4	ppb	25	n.d.
Benzylthiourea;2,2,3,3,4,4,5,5,5-nonafluoropentanoic acid	64808-55-5	ppb	25	n.d.

Perfluoropentanoic Anhydride	308-28-1	ppb	25	n.d.
Perfluoropentanoyl Fluoride (PFPeA-F)	375-62-2	ppb	25	n.d.
Nonafluoropentanoyl chloride (PFPeA-Cl)	375-60-0	ppb	25	n.d.
Nonafluoropentanoyl bromide (PFPeA-Br)	159623-35-5	ppb	25	n.d.
Pentafluoropropionic acid (PFPrA)	422-64-0	ppb	25	n.d.
Pentafluoropropionic anhydride (PFPrA)	356-42-3	ppb	25	n.d.
Perfluoropropanoate / Pentafluoropropanoic acid anion	44864-55-3	ppb	25	n.d.
Sodium pentafluoropropanoate (PFPrA-Na)	378-77-8	ppb	25	n.d.
Potassium perfluoropropanoate (PFPrA-K)	378-76-7	ppb	25	n.d.
Silver pentafluoropropionate (PFPrA-Ag)	509-09-1	ppb	25	n.d.
Ammonium pentafluoropropionate (PFPrA-NH4)	2730-58-7	ppb	25	n.d.
Cesium 2,2,3,3,3-Pentafluoropropanoate	16516-91-9	ppb	25	n.d.
Pentafluoropropanoic acid--1-phenylpiperazine (1/1)	893-87-8	ppb	25	n.d.
Imidazole perfluoropropionic acid salt	200705-90-4	ppb	25	n.d.
Cyclopenta-2,4-dien-1-ylidene (diphenyl)-lambda5-phosphane;cyclopentylidene (diphenyl)-lambda5-phosphane;iron;palladium;2,2,3,3,3-pentafluoropropane-1,1-diol;2,2,3,3,3-pentafluoropropanoic acid;silver	7232-70-4	ppb	25	n.d.
Pentafluoropropanoic acid-piperazine (1/1)	1690-94-4	ppb	25	n.d.
Trifluoroacetic Acid	76-05-1	ppb	50	n.d.
Magnesium trifluoroacetate	123333-72-2	ppb	50	n.d.
Mercury(II) trifluoroacetate	13257-51-7	ppb	50	n.d.
Trifluoroacetate anion	14477-72-6	ppb	50	n.d.
Copper 2,2,2-trifluoroacetic acid	16712-25-7	ppb	50	n.d.
Cesium Trifluoroacetate	21907-50-6	ppb	50	n.d.
Thallium(III) trifluoroacetate	23586-53-0	ppb	50	n.d.
Potassium trifluoroacetate	2923-16-2	ppb	50	n.d.
Lithium Trifluoroacetate	2923-17-3	ppb	50	n.d.
Sodium trifluoroacetate	2923-18-4	ppb	50	n.d.
Silver trifluoroacetate	2966-50-9	ppb	50	n.d.
Barium 2,2,2-trifluoroacetate	2992-78-1	ppb	50	n.d.
Ammonium trifluoroacetate	3336-58-1	ppb	50	n.d.
Lead(II) trifluoroacetate	4146-73-0	ppb	50	n.d.

Ruthenium(II) 2,2,2-trifluoroacetate	61604-32-8	ppb	25	n.d.
Thulium tris(trifluoroacetate)	70237-00-2	ppb	50	n.d.
Indium trifluoracetate	66027-94-9	ppb	50	n.d.
Palladium(II) trifluoroacetate	42196-31-6	ppb	50	n.d.
Dimethyl [(trifluoroacetyl)oxy]sulfanium trifluoroacetate	57738-66-6	ppb	50	n.d.
Aluminium tris(trifluoroacetate) (TFA-Al)	36554-89-9	ppb	50	n.d.
Barium bis(trifluoroacetate) (TFA-Ba)	60884-92-6	ppb	50	n.d.
Chromium(3+) tris (trifluoroacetate) (TFA-Cr)	16712-29-1	ppb	50	n.d.
Erbium tris(trifluoroacetate) (TFA-Er)	70236-99-6	ppb	50	n.d.
Europium(3+) trifluoroacetate--water (1/3/3) (TFA-Eu.H2O)	94079-71-7	ppb	50	n.d.
Indium trifluoroacetate (TFA-In)	36554-90-2	ppb	50	n.d.
Lanthanum tris(trifluoroacetate) (TFA-La)	70236-92-9	ppb	50	n.d.
Nickel(2+) bis(trifluoroacetate) (TFA-Ni)	16083-14-0	ppb	50	n.d.
Acetic acid, trifluoro-, rhodium (2+) salt (TFA-Rh)	72654-51-4	ppb	50	n.d.
Ytterbium(3+) tris (trifluoroacetate) (TFA-Yb)	87863-62-5	ppb	50	n.d.
Zinc bis(trifluoroacetate) (TFA-Zn)	21907-47-1	ppb	50	n.d.
Ruthenium(II) 2,2,2-trifluoroacetate (TFA-Ru)	61612-84-8	ppb	50	n.d.
Tetraethylammonium trifluoroacetate	30093-29-9	ppb	50	n.d.
Tetrabutylammonium trifluoroacetate	39481-22-6	ppb	50	n.d.
Methyltrioctylammonium trifluoroacetate	121107-16-2	ppb	50	n.d.
Copper(2+) bis(trifluoroacetate) (TFA-Cu)	123333-88-0	ppb	50	n.d.
1H,1H,2H,2H-Perfluorooctymethacrylate (6:2 FTMAC)	2144-53-8	ppb	25	n.d.
Perfluorohexanesulfonic Acid (PFHxS)	355-46-4	ppb	10	n.d.
Perfluorohexane sulfonate / Tridecafluorohexane-1-sulfonoic acid anion	108427-53-8	ppb	10	n.d.
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6tridecafluoro-, sodium salt (PFHxS-Na)	82382-12-5	ppb	10	n.d.
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)	911027-69-5	ppb	10	n.d.

Potassium perfluorohexane-1-sulphonate (PFHxS-K)	3871-99-6	ppb	10	n.d.
Perfluorohexane Sulfonic acid, lithium salt (PFHxS-Li)	55120-77-9	ppb	10	n.d.
Perfluorohexane Sulfonic acid, ammonium salt (PFHxSNH4)	68259-08-5	ppb	10	n.d.
Benzyltriphenylphosphanium tridecafluorohexane-1sulfonate (PFHxS-BTPP)	1000597-52-3	ppb	10	n.d.
N,N,N-Tributylbutan-1-aminium tridecafluorohexane-1sulfonate	108427-54-9	ppb	10	n.d.
Tetraethylammonium perfluorohexane sulfonate	108427-55-0	ppb	10	n.d.
Tridecafluorohexane-1-sulfonic acid-pyrrolidine	1187817-57-7	ppb	10	n.d.
4-{[4-(Diethylamino)phenyl][4-(ethylamino)naphthalen-1yl]methylidene}-N,N-diethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate	1310480-24-0	ppb	10	n.d.
4-{[4-(Dimethylamino)phenyl][4-(ethylamino)naphthalen1-yl]methylidene}-N,N-dimethylcyclohexa-2,5-dien-1iminium tridecafluorohexane-1-sulfonate	1310480-27-3	ppb	10	n.d.
4-{[4-(Dimethylamino)phenyl][4-(phenylamino)naphthalen-1-yl]methylidene}-N,Ndimethylcyclohexa-2,5-dien-1-iminium tridecafluorohexane-1-sulfonate	1310480-28-4	ppb	10	n.d.
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6tridecafluorohexane-1-sulfonate	1329995-45-0	ppb	10	n.d.
Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexane-1-sulfonate	1329995-69-8	ppb	10	n.d.
Triphenylsulfanium tridecafluorohexane-1-sulfonate (TPS-PFHxS)	144116-10-9	ppb	10	n.d.
1-(Carboxymethyl)-4-(2-{4-[4-(2,2diphenylethenyl)phenyl]-1H,2H,3H,3aH,4H,8bHcyclopenta[b]indol-7-yl}ethenyl)quinolin-1-ium tridecafluorohexane-1-sulfonate	1462414-59-0	ppb	10	n.d.
Diphenyliodanium tridecafluorohexane-1-sulfonate	153443-35-7	ppb	10	n.d.
Tetramethylammonium perfluorohexane sulfonate (PFHxS-TMA)	189274-31-5	ppb	10	n.d.
Tert-butylazanium;1,1,2,2,3,3,4,4,5,5,6,6,6tridecafluorohexane-1-sulfonate	202189-84-2	ppb	10	n.d.

Bis(4-tert-butylphenyl)iodanium tridecafluorohexane-1sulfonate	213740-81-9	ppb	10	n.d.
Bis(4-methylphenyl) (phenyl)sulfanium tridecafluorohexane-1-sulfonate	341548-85-4	ppb	10	n.d.
Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with perfluorohexanesulfonic acid (1:2)	421555-73-9	ppb	10	n.d.
Perfluorohexanesulfonic acid, Gallium(3+) salt (3:1) (PFHxS-Ga)	341035-71-0	ppb	10	n.d.
Perfluorohexanesulfonic acid, Scandium(3+) salt (3:1) (PFHxS-Sc)	350836-93-0	ppb	10	n.d.
Perfluorohexanesulfonic acid, Neodymium(3+) salt (3:1) (PFHxS-Nd)	41184-65-0	ppb	10	n.d.
Perfluorohexanesulfonic acid, Yttrium(3+) salt (3:1) (PFHxS-Y)	41242-12-0	ppb	10	n.d.
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) (PFHxS-CsH)	92011-17-1	ppb	10	n.d.
Perfluorohexanesulfonic acid, Zinc salt (PFHxS-Zn)	70136-72-0	ppb	10	n.d.
Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, perfluorohexanesulfonate (1:1)	421555-74-0	ppb	10	n.d.
Tris(4-tert-butylphenyl)sulfanium tridecafluorohexane-1sulfonate	425670-70-8	ppb	10	n.d.
Tridecafluorohexanesulphonic acid, compound with 2,2'iminodiethanol (1:1)	70225-16-0	ppb	10	n.d.
Triethylammonium perfluorohexane sulfonate	72033-41-1	ppb	10	n.d.
Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with perfluorohexanesulfonic acid (1:1)	866621-50-3	ppb	10	n.d.
(4-Methylphenyl)diphenylsulfaniu m tridecafluorohexane1-sulfonate	910606-39-2	ppb	10	n.d.
{4-[(2-Methylprop-2-enoyl)oxy]phenyl} diphenylsulfanium tridecafluorohexane-1-sulfonate	911027-68-4	ppb	10	n.d.
Dibenzo[k,n] [1,4,7,10,13]tetraoxathiacyclop entadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1hexanesulfonate (1:1)	928049-42-7	ppb	10	n.d.

Tetrabutylphosphonium perfluorohexane sulfonate	2310194-12-6	ppb	10	n.d.
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	ppb	10	n.d.
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	ppb	25	n.d.
N-Methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	ppb	10	n.d.
2-(N-methylperlfuoro-1-octanesulfonamideo) ethanol (N-MeFOSE)	24448-09-7	ppb	25	n.d.
Perfluorooctanesulfonic acid (PFOS)	1763-23-1	ppb	10	n.d.
Perfluorooctanesulfonate ion	45298-90-6	ppb	10	n.d.
Potassium Perfluorooctanesulfonate (PFOS-K)	2795-39-3	ppb	10	n.d.
Sodium perfluorooctane sulfonate (PFOS-Na)	4021-47-0	ppb	10	n.d.
Lithium perfluorooctane sulfonate (PFOS-Li)	29457-72-5	ppb	10	n.d.
Ammonium perfluorooctane sulfonate (PFOS-NH4)	29081-56-9	ppb	10	n.d.
Perfluorooctane sulfonate diethanolamine salt (PFOS-NH2(C2H4OH)2)	70225-14-8	ppb	10	n.d.
Magnesium bis (heptadecafluoro octanesulphonate) (PFOS-Mg)	91036-71-4	ppb	10	n.d.
Didecyl dimethyl ammonium perfluorooctane sulfonate (PFOS-N(C10H21)2(CH3)2)	251099-16-8	ppb	10	n.d.
1-Butanaminium, N,N,N-tributyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 heptadecafluoro-1-octanesulfonate (1:1)	111873-33-7	ppb	10	n.d.
1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 heptadecafluoro-1-octanesulfonate (1:1)	56773-56-9	ppb	10	n.d.
1-Decanaminium, N,N,N-triethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8 heptadecafluoro-1-octanesulfonate (1:1)	773895-92-4	ppb	10	n.d.
Piperidin-1-ium perfluorooctane-1-sulfonate	71463-74-6	ppb	10	n.d.
Perfluorooctanesulfonic acid diethylamine salt (PFOS-NH2 (C2H5)2)	2205029-08-7	ppb	10	n.d.
Perfluorooctane sulfonic anhydride	423-92-7	ppb	10	n.d.
Perfluoro-1-octanesulfonyl fluoride (PFOS-F)	307-35-7	ppb	10	n.d.

Heptadecafluoro-1-Octanesulfonyl Chloride (PFOS-Cl)	423-60-9	ppb	10	n.d.
Triethylammonium perfluorooctane sulfonate	54439-46-2	ppb	10	n.d.
Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1)	213740-80-8	ppb	10	n.d.
1-Hexadecylpyridinium perfluoro-1-octanesulfonate	334529-63-4	ppb	10	n.d.
Tetrabutylphosphonium perfluorooctane sulfonate	2185049-59-4	ppb	10	n.d.
1-Octanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, barium salt (2:1)	4021-48-1	ppb	10	n.d.
Heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl} azanium heptadecafluorooctane-1-sulfonate (PFOS-C15H3NO2)	1203998-97-3	ppb	10	n.d.
Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate	258341-99-0	ppb	10	n.d.
Perfluorooctane sulfonamide (PFOSA)	754-91-6	ppb	10	n.d.
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)	76752-82-4	ppb	10	n.d.
Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9	ppb	10	n.d.
Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8	ppb	10	n.d.
Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0	ppb	10	n.d.
Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH4)	76752-72-2	ppb	10	n.d.
Tetramethylammonium perfluorooctanesulfonate (PFOS-N(CH3)4)	56773-44-5	ppb	10	n.d.
Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6	ppb	10	n.d.
Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9	ppb	10	n.d.
Perfluorooctanoic acid (PFOA)	335-67-1	ppb	10	n.d.
Sodium perfluorooctanoate (PFOA-Na)	335-95-5	ppb	10	n.d.
Potassium perfluorooctanoate (PFOA-K)	2395-00-8	ppb	10	n.d.
Silver perfluorooctanoate (PFOA-Ag)	335-93-3	ppb	10	n.d.
Perfluorooctanoic acid compd. with ethanamine (1:1)	1376936-03-6	ppb	10	n.d.
Ammonium perfluorooctanoate (APFO)	3825-26-1	ppb	10	n.d.

Chromium(3+) perfluorooctanoate	68141-02-6	ppb	10	n.d.
Lithium perfluorooctanoate (PFOA-Li)	17125-58-5	ppb	10	n.d.
Tetrapropylammonium perfluorooctanoate	277749-00-5	ppb	10	n.d.
Ethanaminium, N,N,N-triethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8pentadecafluorooctanoate (1:1)	98241-25-9	ppb	10	n.d.
1-Octanaminium, N,N,N-trimethyl, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8pentadecafluorooctanoate (1:1)	927835-01-6	ppb	10	n.d.
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8pentadecafluoro-, potassium salt, hydrate (1:1:2)	98065-31-7	ppb	10	n.d.
Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8pentadecafluoro-, ion(1-)	45285-51-6	ppb	10	n.d.
Methanaminium, N,N,N-trimethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8pentadecafluorooctanoate (1:1)	32609-65-7	ppb	10	n.d.
Pentadecafluorooctanoic acid--piperazine (1/1)	423-52-9	ppb	10	n.d.
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	ppb	10	n.d.
Perfluorooctanoyl chloride (PFOA-Cl)	335-64-8	ppb	10	n.d.
Perfluorooctanoyl Bromide	222037-87-8	ppb	10	n.d.
Pentadecafluorooctanoic acid-1-phenylpiperazine(1:1)	1514-68-7	ppb	10	n.d.
Pentadecafluorooctanoic acid-pyridine (1/1) (PFOA-Pyridine)	95658-47-2	ppb	10	n.d.
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	17527-29-6	ppb	25	n.d.
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7	ppb	50	n.d.
Perfluorohexanoyl fluoride (PFHxA-F)	355-38-4	ppb	10	n.d.
Perfluorohexanoyl chloride (PFHxA-Cl)	335-53-5	ppb	10	n.d.
Perfluorohexanoic Acid (PFHxA)	307-24-4	ppb	10	n.d.
Perfluorohexanoate / Undecafluorohexanoic acid anion	92612-52-7	ppb	10	n.d.
Undecafluorohexanoic acid--hexan-1-amine (1/1)	565225-91-4	ppb	10	n.d.
Ammonium perfluorohexanoate (APFHx)	21615-47-4	ppb	10	n.d.
Sodium perfluorohexanoate (PFHxA-Na)	2923-26-4	ppb	10	n.d.
Potassium perfluorohexanoate (PFHxA-K)	3109-94-2	ppb	10	n.d.
Silver perfluorohexanoate (PFHxA-Ag)	336-02-7	ppb	10	n.d.

Lithium perfluorohexanoate (PFHxA-Li)	90430-61-8	ppb	10	n.d.
Undecafluorohexanoic acid--piperazine (1/1)	423-47-2	ppb	10	n.d.
1-phenylpiperazine; 2,2,3,3,4,4,5,5,6,6,6-undecafluorohexanoic acid	985-60-4	ppb	10	n.d.
Perfluorohexanoyl Bromide (PFHxA-Br)	1404193-66-3	ppb	10	n.d.
Perfluorooctanesulphonic acid 1H,1H,2H,2H (6:2 FTS)	27619-97-2	ppb	10	n.d.
1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS), sodium salt	27619-94-9	ppb	10	n.d.
Potassium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-K)	59587-38-1	ppb	10	n.d.
Ammonium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-NH4)	59587-39-2	ppb	10	n.d.
Barium bis (3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonate) (6:2 FTS-Ba)	1807944-82-6	ppb	10	n.d.
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctane-1-sulfonate	425670-75-3	ppb	10	n.d.
2-(Perfluorohexyl)ethanesulfonyl fluoride	-	ppb	10	n.d.
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanesulphonyl chloride (6:2 FTS-Cl)	27619-89-2	ppb	10	n.d.
N-Methylperfluoro-1-hexane sulfonamide (N-Me-FHxSA)	68259-15-4	ppb	10	n.d.
Perfluorohexane sulfonamide (PFHxSA)	41997-13-1	ppb	10	n.d.
Perfluorohexylsulfonyl chloride (PFHxS-Cl)	55591-23-6	ppb	50	n.d.
Perfluorohexanesulphonyl fluoride (PFHxS-F)	423-50-7	ppb	50	n.d.
Perfluorohexanoic anhydride	308-13-4	ppb	50	n.d.
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTCA)	27905-45-9	ppb	25	n.d.
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate	882489-14-7	ppb	50	n.d.
2H,2H Perfluorodecane Acid (H2PFDA / 8:2 FTCA)	27854-31-5	ppb	10	n.d.
8:2 Fluorotelomer olefin (8:2 FTO)	21652-58-4	ppb	50	n.d.
1H,1H,2H,2H-Perfluorodecan-1-ol (8:2 FTOH)	678-39-7	ppb	50	n.d.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	ppb	10	n.d.
1H,1H,2H,2H-Perfluorodecane Sulfonate (8:2 FTS), Sodium Salt	27619-96-1	ppb	10	n.d.

1H,1H,2H,2H-Perfluorodencane sulfonate acid, Potassium salt (8:2 FTS-K)	438237-73-1	ppb	10	n.d.
1H,1H,2H,2H-Perfluorodencane sulfonate acid, Ammonium salt (8:2 FTS-NH4)	149724-40-3	ppb	10	n.d.
2-(Perfluorooctyl)ethane-1-sulfonate	481071-78-7	ppb	10	n.d.
2-(Perfluorooctyl)ethanesulfonyl chloride (8:2 FTS-Cl)	27619-90-5	ppb	10	n.d.
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	ppb	25	n.d.
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	ppb	25	n.d.
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	ppb	25	n.d.
Perfluoro-1-iodooctane (PFOI)	507-63-1	ppb	50	n.d.
Perfluorooctanoic Anhydride (Perfluorooctanoic Anhydride)	33496-48-9	ppb	10	n.d.
Perfluorononanesulfonic acid (PFNS), sodium salt	98789-57-2	ppb	10	n.d.
Perfluorononanesulfonic acid (PFNS)	68259-12-1	ppb	10	n.d.
Perfluorononanesulfonyl fluoride (PFNS-F)	68259-06-3	ppb	10	n.d.
Perfluorononanesulfonate ion (PFNS)	474511-07-4	ppb	10	n.d.
Perfluorononanesulfonate potassium	29359-39-5	ppb	10	n.d.
1-Nonanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-nonadecafluoro-, ammonium salt	17202-41-4	ppb	10	n.d.
2H,2H-Perfluorooctanoic acid (6:2 FTCA)	53826-12-3	ppb	50	n.d.
Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5	ppb	50	n.d.
Hentriacontafluorohexadecanoate anion	1214264-30-8	ppb	50	n.d.
Perfluorooctadecanoic acid (PFODA)	16517-11-6	ppb	50	n.d.
Perfluorooctadecanoate / Perfluorooctadecanoic acid anion	798556-82-8	ppb	50	n.d.
Perfluoropentanesulfonate anion	175905-36-9	ppb	10	n.d.
Perfluoropentane sulfonic acid (PFPeS)	2706-91-4	ppb	10	n.d.
Sodium perfluoropentanesulfonate (PFPeS-Na)	630402-22-1	ppb	10	n.d.
Potasium perfluoropentanesulfonate (PFPeS-K)	3872-25-1	ppb	10	n.d.

Ammonium perfluoropentanesulfonate (PFPeS-NH4)	68259-09-6	ppb	10	n.d.
Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate *	70225-17-1	ppb	10	n.d.
Lithium perfluoropentane sulfonate (PFPeS-Li)	1046864-81-6	ppb	10	n.d.
Perfluoropentane sulfonic anhydride	161877-72-1	ppb	10	n.d.
Triethylammonium perfluoropentane sulfonate (PFPeS-NH(C2H5)3)	72033-42-2	ppb	10	n.d.
Perfluoroundecanesulfonic acid (PFUnDS)	749786-16-1	ppb	10	n.d.
Sodium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,11-tricosafluoroundecane-1-sulfonate	3016286-99-7	ppb	10	n.d.
Perfluoroundecanesulfonate ion (PFUnDS ion)	441296-91-9	ppb	10	n.d.
4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	ppb	10	n.d.
Sodium dodecafluoro-3H-4,8-dioxanonanoate (NaDONA)	2250081-67-3	ppb	10	n.d.
Potassium 2,2,3-trifluoro-3-[1,1,2,2,3,3-hexafluoro-3 (trifluoromethoxy)propoxy]propanoate (ADONA-K)	1087271-46-2	ppb	10	n.d.
2,2,3-Trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate ion	2127366-90-7	ppb	10	n.d.
Ammonium 4,8-dioxa-3H-perfluorononanoate (ADONA)	958445-44-8	ppb	10	n.d.
Perfluoro-3-methoxypropanoic anhydride	42566-65-4	ppb	50	n.d.
Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1	ppb	50	n.d.
Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonic acid)(9Cl-PF3ONS)	756426-58-1	ppb	10	n.d.
Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF3ONS-Na)	73606-19-6	ppb	10	n.d.
Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonate) (9Cl-PF3ONS (anion))	1621485-21-9	ppb	10	n.d.
Ammonium perfluoro-2-[(6-chlorohexyl)oxy]ethane-1-sulfonate (9Cl-PF3ONS-NH4)	1383434-28-3	ppb	10	n.d.
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4	ppb	50	n.d.
4:2 Fluorotelomer sulfonate sodium salt (4:2 FTS-Na)	27619-93-8	ppb	50	n.d.

3,3,4,4,5,5,6,6,6-Nonafluorohexane-1-sulphonyl chloride (4:2 FTS-Cl)	65702-23-0	ppb	50	n.d.
4:2 Fluorotelomer sulfonate ion	414911-30-1	ppb	50	n.d.
Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7	ppb	10	n.d.
Potassium 1,1,2,2-tetrafluoro-2-(pentafluoroethoxy)ethanesulfonate	117205-07-9	ppb	10	n.d.
Sodium 1,1,2,2-tetrafluoro-2-(pentafluoroethoxy) ethanesulfonate	113507-87-2	ppb	10	n.d.
(Heptadecafluorooctyl)phosphonic acid--4-methylaniline (1/1)	1263361-03-0	ppb	50	n.d.
Bis (heptadecafluorooctyl)phosphinic Acid (Heptadecafluorooctyl)phosphonic Acid mixture 1:1 molar	39278-52-9	ppb	50	n.d.
Perfluorooctylphosphoric Acid (PFOPA/C8-PFPA)	40143-78-0	ppb	25	n.d.
Bis[2-(tridecafluorohexyl)ethoxy]phosphinic acid (6:2-diPAP)	57677-95-9	ppb	10	n.d.
Ammonium bis[2-(perfluorohexyl)ethyl] phosphate (6:2 diPAP-NH4)	1764-95-0	ppb	10	n.d.
Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) phosphate ion(1-)	667465-18-1	ppb	10	n.d.
Sodium bis(1H,1H,2H,2H-perfluorooctyl)phosphate (6:2 diPAP-Na)	407582-79-0	ppb	10	n.d.
1H,1H,2H,2H-Nonafluorohexyl Methacrylate (4:2 FTMA)	1799-84-4	ppb	50	n.d.
Perfluorohexyl iodide (PFHxI)	355-43-1	ppb	50	n.d.
1H,1H,2H,2H-Perfluorooctyl iodide (6:2 FTI)	2043-57-4	ppb	50	n.d.
6:2 Mono[2-(perfluorohexyl)ethyl] phosphate (6:2-PAP)	57678-01-0	ppb	25	n.d.
Sodium 1H,1H,2H,2H-perfluorooctylphosphate (6:2 PAP-Na)	144965-22-0	ppb	25	n.d.
Disodium- 6:2 Fluorotelomer phosphate	150033-29-7	ppb	25	n.d.
Potassium 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl hydrogen phosphate	150033-28-6	ppb	25	n.d.
Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate	2353-52-8	ppb	25	n.d.
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol phosphate ammonium salt	92401-44-0	ppb	25	n.d.

2-(Perfluorohexyl)ethanol dihydrogen phosphate bis(2-hydroxyethyl)amine	57678-02-1	ppb	25	n.d.
Diammonium 6:2 fluorotelomer phosphate monoester	1000852-37-8	ppb	25	n.d.
10:2 Mono[2-(perfluorodecyl)ethyl] Phosphate (10:2-PAP)	57678-05-4	ppb	25	n.d.
Diammonium 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl phosphate (10:2 PAP-(NH4)2)	93857-45-5	ppb	25	n.d.
3,3,4,4,5,5,6,6,7,7,8,8,9,9,1,1,11,11,12.12,12-Henicosafluorododecyl dihydrogen phosphate cyclohexylamine	2514858-66-1	ppb	25	n.d.
Bis[2-(perfluorooctyl)ethyl] Phosphate/ 8:2 Fluorotelomer phosphate diester (8:2-diPAP)	678-41-1	ppb	100	n.d.
6:2/8:2 Fluorotelomer phosphate diester (6:2/8:2-diPAP)	943913-15-3	ppb	100	n.d.
Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)	114519-85-6	ppb	100	n.d.
Disodium 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl phosphate	438237-75-3	ppb	100	n.d.
Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate	57677-97-1	ppb	100	n.d.
8:2 Fluorotelomer phosphate diester ion (1-)	1411713-91-1	ppb	100	n.d.
Ammonium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-NH4)	93776-20-6	ppb	100	n.d.
N-[(heptadecafluorooctyl)sulfonyl]-N-methylglycine (N-MeFOSAA)	2355-31-9	ppb	10	n.d.
2-(N-Methylperfluorooctanesulfonamido)acetate	909405-48-7	ppb	10	n.d.
Cyclo-hexachloro(N-methyl-(N-(perfluorooctylsulphonyl)glycinato-O1:O1'))dihydroxytrichromium	97298-47-0	ppb	10	n.d.
N-(Heptadecafluorooctylsulfonyl)-N-methylglycine potassium salt (N-MeFOSAA-K)	70281-93-5	ppb	10	n.d.
2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-EtFOSAA anion)	909405-49-8	ppb	10	n.d.

Chromium, diaquatetrachloro (mu-(N-ethyl-N-((heptadecafluorooctyl)sulfonyl) glycinato-O1:O1'))-mu-hydroxybis(2-methylpropanol)di-	68891-96-3	ppb	10	n.d.
N-Ethyl-N-[(heptadecafluorooctyl)sulphonyl]glycine (N-EtFOSAA)	2991-50-6	ppb	10	n.d.
Ammonium N-ethyl-N-((heptadecafluorooctyl)sulphonyl) glycinate (N-EtFOSAA-NH4)	2991-52-8	ppb	10	n.d.
Potassium N-ethyl-N-((heptadecafluorooctyl)sulphonyl) glycinate (N-Et-FOSAA-K)	2991-51-7	ppb	10	n.d.
Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-EtFOSAA-Na)	3871-50-9	ppb	10	n.d.
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide (N-MeFBSE)	34454-97-2	ppb	10	n.d.
2H-Perfluoro-2-decenoic acid (8:2 FTUCA)	70887-84-2	ppb	10	n.d.
3-Perfluoropropyl propanoic acid (3:3 FTCA)	356-02-5	ppb	10	n.d.
3:3 Fluorotelomer carboxylate, ion(1-)	1169706-83-5	ppb	10	n.d.
Sodium 3-(perfluoropropyl)propanoate (3:3 FTCA-Na)	1207462-13-2	ppb	10	n.d.
3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3	ppb	10	n.d.
3-Perfluoroheptyl propanoic acid (7:3 FTCA)	812-70-4	ppb	10	n.d.
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA)	151772-58-6	ppb	10	n.d.
Sodium perfluoro(4-methoxybutanoate)	863008-55-3	ppb	25	n.d.
Perfluoro-4-methoxybutanoic acid (PFMBA)	863090-89-5	ppb	25	n.d.
1-Hexanesulfonamide, N-(3-(dimethylamino)propyl)-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, acetate (1:1)	73772-33-5	ppb	25	n.d.
N-(3-(Dimethylamino)propyl)tridecafluorohexanesulphonamide (N-AP-FHxSA)	50598-28-2	ppb	25	n.d.
Trifluoromethanesulfonyl chloride (TFMS-Cl)	421-83-0	ppb	10	n.d.
Trifluoromethanesulfonyl bromide (TFMS-Br)	15458-53-4	ppb	10	n.d.
Tetrapropylammonium trifluoromethanesulphonate	35925-48-5	ppb	10	n.d.
(Heptadecafluorooctyl)(phenyl)iodanium trifluoromethanesulfonate	77758-89-5	ppb	10	n.d.

Lanthanum tris (trifluoromethanesulfonate) (TFMSA-La)	52093-26-2	ppb	10	n.d.
Mercury(II) trifluoromethanesulfonate (TFMSA-Hg)	49540-00-3	ppb	10	n.d.
Dysprosium(III) trifluoromethanesulfonate (TFMSA-Dy)	139177-62-1	ppb	10	n.d.
Iron(III) trifluoromethanesulfonate (TFMSA-Fe)	63295-48-7	ppb	10	n.d.
Phenyl (tridecafluorohexyl)iodanium trifluoromethanesulfonate	77758-84-0	ppb	10	n.d.
Yttrium(III) trifluoromethanesulfonate (TFMSA-Y)	52093-30-8	ppb	10	n.d.
Sodium trifluoromethanesulfonate (TFMSA-Na)	2926-30-9	ppb	10	n.d.
Ytterbium(3+) tris (trifluoromethanesulfonate) (TFMSA-Yb)	54761-04-5	ppb	10	n.d.
Tin(II) trifluoromethanesulfonate (TFMSA-Sn)	62086-04-8	ppb	10	n.d.
Lithium trifluoromethanesulfonate (TFMSA-Li)	33454-82-9	ppb	10	n.d.
Trifluoromethanesulfonic acid--manganese (2/1) (TFMSA-Mn)	55120-76-8	ppb	10	n.d.
Pentaammine (trifluoromethanesulfonato)osmium(III) triflate (TFMSA-Os)	83781-30-0	ppb	10	n.d.
Lutetium(III) trifluoromethanesulfonate (TFMSA-Lu)	126857-69-0	ppb	10	n.d.
Terbium(III) trifluoromethanesulfonate (TFMSA-Tb)	148980-31-8	ppb	10	n.d.
Pentafluoroanilinium trifluoromethanesulfonate	912823-79-1	ppb	10	n.d.
1-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-Pentadecafluorooctyl)pyridinium trifluoromethanesulfonate	25061-59-0	ppb	10	n.d.
Neodymium(III) trifluoromethanesulfonate (TFMSA-Nd)	34622-08-7	ppb	10	n.d.
Cerium(IV) trifluoromethanesulfonate (TFMSA-Ce)	107792-63-2	ppb	10	n.d.
Samarium(III) trifluoromethanesulfonate (TFMSA-Sm)	52093-28-4	ppb	10	n.d.
Ammonium trifluoromethanesulfonate (TFMSA-NH4)	38542-94-8	ppb	10	n.d.

Holmium tris (trifluoromethanesulfonate) (TFMSA-Ho)	139177-63-2	ppb	10	n.d.
Potassium trifluoromethanesulfonate (TFMSA-K)	2926-27-4	ppb	10	n.d.
Magnesium trifluoromethanesulfonate (TFMSA-Mg)	60871-83-2	ppb	10	n.d.
(1,1,1,2,3,3,3-Heptafluoropropan-2-yl) (phenyl)iodanium trifluoromethanesulfonate	82959-18-0	ppb	10	n.d.
Trifluoromethanesulfonate / Trifluoromethanesulfonic acid anion	37181-39-8	ppb	10	n.d.
Indium(III) trifluoromethanesulfonate (TFMSA-In)	128008-30-0	ppb	10	n.d.
(Heptafluoropropyl) (phenyl)iodanium trifluoromethanesulfonate	77758-79-3	ppb	10	n.d.
Nickel(II) Trifluoromethanesulfonate (TFMSA-Ni)	60871-84-3	ppb	10	n.d.
Praseodymium(III) trifluoromethanesulfonate (TFMSA-Pr)	52093-27-3	ppb	10	n.d.
Bismuth(III) trifluoromethanesulfonate (TFMSA-Bi)	88189-03-1	ppb	10	n.d.
europium trifluoromethanesulfonate (TFMSA-Eu)	52093-25-1	ppb	10	n.d.
Erbium(III) trifluoromethanesulfonate (TFMSA-Er)	139177-64-3	ppb	10	n.d.
Gallium (III) trifluoromethanesulfonate (TFMSA-Ga)	74974-60-0	ppb	10	n.d.
N,N,N-Triethyl-2,2,2-trifluoroethan-1-aminium trifluoromethanesulfonate	380230-73-9	ppb	10	n.d.
Thulium(III) trifluoromethanesulfonate (TFMSA-Tm)	141478-68-4	ppb	10	n.d.
Methanesulfonic acid, trifluoro-, silver(1+) salt (TFMSA-Ag)	2923-28-6	ppb	10	n.d.
Barium trifluoromethanesulphonate (TFMSA-Ba)	2794-60-7	ppb	10	n.d.
Methanesulfonic acid, trifluoro-, calcium salt (TFMSA-Ca)	55120-75-7	ppb	10	n.d.
Cerium(III) Triflate (TFMSA-Ce)	76089-77-5	ppb	10	n.d.
Scandium(III) triflate (TFMSA-Sc)	144026-79-9	ppb	10	n.d.

Thallium(1+) trifluoromethanesulfonate (TFMSA-Tl)	73491-36-8	ppb	10	n.d.
Zinc trifluoromethanesulphonate (TFMSA-Zn)	54010-75-2	ppb	10	n.d.
Copper(II) trifluoromethanesulfonate (TFMS-Cu)	34946-82-2	ppb	10	n.d.
Tetrabutylammonium trifluoromethanesulfonate (TFMS-N(C2H5)4)	35895-70-6	ppb	10	n.d.
Methyltrioctylammonium trifluoromethanesulfonate	121107-18-4	ppb	10	n.d.
Tetraethylammonium trifluoromethanesulfonate (TFMS-N(C2H5)4)	35895-69-3	ppb	10	n.d.
Diphenylammonium Trifluoromethanesulfonate	164411-06-7	ppb	10	n.d.
Hafnium tetrakis (trifluoromethanesulfonate) (TFMS-Hf)	161337-67-3	ppb	10	n.d.
Triethylmethylammonium triflate	90756-35-7	ppb	10	n.d.
Tributylmethylammonium trifluoromethanesulfonate	944557-37-3	ppb	10	n.d.
Imidazole trifluoromethanesulfonate	29727-06-8	ppb	10	n.d.
Trifluoroacetyl Trifluoromethanesulfonate	68602-57-3	ppb	10	n.d.
1-Fluoro-3,5-dichloropyridinium triflate	107264-06-2	ppb	10	n.d.
Triethylamine salt of trifluoromethanesulfonic acid	646-58-2	ppb	10	n.d.
Triphenylphosphonium anhydride triflate	72450-51-2	ppb	10	n.d.
N,N-Diethyl-6-(diethylamino)-9-(2-(methoxycarbonyl)phenyl)-3H-xanthene-3-ylideneammonium trifluoromethanesulfonate	120611-30-5	ppb	10	n.d.
1-(3-aminoazetidin-1-yl)prop-2-en-1-one, trifluoromethanesulfonic acid	2060047-56-3	ppb	10	n.d.
Guanidine trifluoromethanesulfonic acid	153756-25-3	ppb	10	n.d.
Trifluoromethanesulfonic acid--1-ethyl-1H-imidazole (1/1)	501693-46-5	ppb	10	n.d.
Ruthenium(3+), (OC-6-22)-, salt with trifluoromethanesulfonic acid (1:3)	74468-24-9	ppb	10	n.d.
(2-Pyridylmethyl)sulfonyl chloride triflate	882564-09-2	ppb	10	n.d.
1-Propyl-3-methylimidazolium trifluoromethansulfonate	1052102-05-2	ppb	10	n.d.
2,2,3,3-Tetrafluoropropyl triethylammonium triflate	1330184-85-4	ppb	10	n.d.

2,2-Difluoroethyltriethylammonium trifluoromethanesulfonate	887267-07-4	ppb	10	n.d.
(4-Methoxyphenyl)diphenylsulfonium triflate	116808-67-4	ppb	10	n.d.
Trifluoromethanesulfonic anhydride	358-23-6	ppb	10	n.d.
4,4′-(Hexafluoroisopropylidene)diphenol, 2,2-Bis(4-hydroxyphenyl)hexafluoropropane (Bisphenol AF)	1478-61-1	ppb	25	n.d.
Benzyltriphenylphosphonium, salt with 4,4'-(2,2,2-trifluoro-1-(trifluoromethyl)ethylidene)bis(phenol) (1:1)	75768-65-9	ppb	25	n.d.
Phosphonium, tributyl(2-methoxypropyl)-, salt with 4,4'-(2,2,2-trifluoro-1-(trifluoromethyl)ethylidene)bis(phenol) (1:1)	126049-00-1	ppb	25	n.d.
Phosphorus(1+), (N-ethylethanaminato)diphenyl(phenylmethyl)-, (T-4)-, salt with 4,4'-[2,2,2-trifluoro-1-(trifluoromethyl)ethylidene]bis[phenol] (1:1)	577705-90-9	ppb	25	n.d.
4-[1,1,1,3,3,3-Hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]phenol;hydrazine	--	ppb	25	n.d.
2,2-Bis(4-hydroxyphenyl)hexafluoropropane disodium salt	74938-83-3	ppb	25	n.d.
4-[1,1,1,3,3,3-hexafluoro-2-(4-hydroxyphenyl)propan-2-yl]phenolate ion	--	ppb	25	n.d.
dipotassium;4-[1,1,1,3,3,3-hexafluoro-2-(4-oxidophenyl)propan-2-yl]phenolate	--	ppb	25	n.d.
Potassium p-(2,2,2-trifluoro-1-(p-hydroxyphenyl)-1-(trifluoromethyl)ethyl)phenolate	52870-69-6	ppb	25	n.d.
11-Chloroperfluoro-3-oxaundecanesulfonic acid (11Cl-PF3OUdS)	763051-92-9	ppb	50	n.d.
2-[(8-Chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctyl)oxy]-1,1,2,2-tetrafluoroethanesulfonate	2196242-82-5	ppb	50	n.d.
potassium;2-(8-chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctoxy)-1,1,2,2-tetrafluoroethanesulfonic acid;hydride	--	ppb	50	n.d.

potassium; 2-(8-chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctoxy)-1,1,2,2-tetrafluoroethanesulfonic acid	83329-89-9	ppb	50	n.d.
Trifluoromethanesulfonimide	82113-65-3	ppb	50	n.d.
1-Butyl-1-methylpyrrolidinium bistriflimide	223437-11-4	ppb	50	n.d.
Tributylmethylammonium Bis (trifluoromethanesulfonyl)imide	405514-94-5	ppb	50	n.d.
1-Decyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide	433337-23-6	ppb	50	n.d.
Copper(II) Bis (trifluoromethanesulfonyl)imide (TFSI-Cu)	162715-14-2	ppb	50	n.d.
Iron(III) tris (trifluoromethylsulfonyl)imide (TFSI-Fe)	207861-59-4	ppb	50	n.d.
1-Methylimidazole Bis (trifluoromethanesulfonyl)imide	353239-08-4	ppb	50	n.d.
1-Ethyl-3-methylimidazolium Bis (trifluoromethanesulfonyl)imide	174899-82-2	ppb	50	n.d.
1,2-Dimethyl-3-propylimidazolium bis (trifluoromethylsulfonyl)imide	169051-76-7	ppb	50	n.d.
1-Methyl-3-propylimidazolium Bis (trifluoromethanesulfonyl)imide	216299-72-8	ppb	50	n.d.
1-Butyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide	623580-02-9	ppb	50	n.d.
1-Methyl-3-n-octylimidazolium Bis (trifluoromethanesulfonyl)imide	178631-04-4	ppb	50	n.d.
Butyltrimethylammonium bis (trifluoromethylsulfonyl)imide	258273-75-5	ppb	50	n.d.
1-Methyl-1-propylpiperidin-1-ium bis ((trifluoromethyl)sulfonyl)amide	608140-12-1	ppb	50	n.d.
1-Ethyl-2,3-dimethylimidazolium Bis (trifluoromethanesulfonyl)imide	174899-90-2	ppb	50	n.d.
1-Methyl-1-propylpyrrolidinium Bis (trifluoromethanesulfonyl)imide	223437-05-6	ppb	50	n.d.
Calcium bis (trifluoromethylsulfonyl)imide (TFSI-Ca)	165324-09-4	ppb	50	n.d.
Choline bis (trifluoromethylsulfonyl)imide	827027-25-8	ppb	50	n.d.
1-Dodecyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide	404001-48-5	ppb	50	n.d.
1-Ethyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide	223436-99-5	ppb	50	n.d.
Diethylmethylsulfonium bis (trifluoromethylsulfonyl)imide	792188-85-3	ppb	50	n.d.
Tin bis (trifluoromethylsulfonyl)imide	460096-08-6	ppb	50	n.d.

bis(bis (trifluoromethylsulfonyl)azanide);cadmium(2+)	1263295-73-3	ppb	50	n.d.
Bis (trifluoromethanesulfonyl) imide silver	189114-61-2	ppb	50	n.d.
Copper bis (trifluoromethylsulfonyl)imide	291300-50-0	ppb	50	n.d.
bis(bis (trifluoromethylsulfonyl)azanide);palladium(2+)	207861-64-1	ppb	50	n.d.
Sodium bis (trifluoromethylsulfonyl)imide	91742-21-1	ppb	50	n.d.
Barium(II) Bis (trifluoromethanesulfonyl)imide	168106-22-7	ppb	50	n.d.
Strontium bis (trifluoromethylsulfonyl)imide	862121-57-1	ppb	50	n.d.
Manganese(II) Bis (trifluoromethanesulfonyl)imide	207861-55-0	ppb	50	n.d.
Zinc(II) bis-triflimide	168106-25-0	ppb	50	n.d.
Copper(II) trifluoromethanesulfonimide xhydrate	1334406-76-6	ppb	50	n.d.
Cerium(III) Bis (trifluoromethanesulfonyl)imide	1046099-39-1	ppb	50	n.d.
Vanadiumtris (trifluoromethylsulfonyl)imide	207861-54-9	ppb	50	n.d.
Magnesium bis (trifluoromethylsulfonyl)imide	133395-16-1	ppb	50	n.d.
Cobalt bis (trifluoromethylsulfonyl)imide	207861-61-8	ppb	50	n.d.
Nickel bis (trifluoromethylsulfonyl)imide	207861-63-0	ppb	50	n.d.
Methyltricaprylylammonium bistriflamide	375395-33-8	ppb	50	n.d.
N-Propyl-Methyl Piperidinium Bis (trifluoroMethylsulfonyl)Imide	98837-98-0	ppb	50	n.d.
Scandium(III) trifluoromethanesulfonimide	176726-07-1	ppb	50	n.d.
4,4-isobutylethylidenediphenol	6807-17-6	ppb	50	n.d.
Potassium Bis (trifluoromethanesulfonyl)imide	90076-67-8	ppb	50	n.d.
Phosphonium, trihexyltetradecyl-, salt with 1,1,1-trifluoro-N-((trifluoromethyl)sulfonyl)methanesulfonamide (1:1)	460092-03-9	ppb	50	n.d.
1-Butyl-2,3-dimethylimidazolium bis (trifluoromethylsulfonyl)imide	350493-08-2	ppb	50	n.d.
1-Butyl-3-methylimidazolium bis (trifluoromethylsulfonyl)imide	174899-83-3	ppb	50	n.d.
Tris[bis (trifluoromethylsulfonyl)amino] ytterbium	175438-43-4	ppb	50	n.d.
Cesium bis (trifluoromethanesulfonyl)imide	91742-16-4	ppb	50	n.d.

Lithium Bis (Trifluoromethanesulfonyl)Imide	90076-65-6	ppb	50	n.d.
Tetramethylammonium Bis (Trifluoromethylsulfonyl)Imide	161401-25-8	ppb	50	n.d.
Nickel(II) bis (trifluoromethanesulfonimide) hydrate	2067359-93-5	ppb	50	n.d.
1-Hexadecyl-3-methylimidazolium bis (trifluoromethylsulfonyl)imide	404001-50-9	ppb	50	n.d.
Lanthanum(III) Bis (trifluoromethanesulfonyl)imide	168106-26-1	ppb	50	n.d.
Yttrium(III)bis (trifluoromethanesulfonyl)imide	189114-86-1	ppb	50	n.d.
1-Methyl-3-tetradecylimidazolium bis (trifluoromethylsulfonyl)imide	404001-49-6	ppb	50	n.d.
Iron(II) tris (trifluoromethylsulfonyl)imide	207861-57-2	ppb	50	n.d.
Bis(bis (trifluoromethylsulfonyl)azanide);mercury(2+)	104715-41-5	ppb	50	n.d.
Trimethylsulfonium bis (trifluoromethylsulfonyl)imide	321746-48-9	ppb	50	n.d.
1,1,1-Trifluoro-N-((trifluoromethyl)sulfonyl)methanesulfonamide ethanamine	815574-84-6	ppb	50	n.d.
Perfluorohexylperfluorooctyl phosphinic acid	610800-34-5	ppb	50	n.d.
Sodium perfluorohexylperfluorooctylphosphinate	2361298-14-6	ppb	50	n.d.
Perfluorododecanesulfonic acid	79780-39-5	ppb	50	n.d.
Perfluorododecanesulfonate	343629-43-6	ppb	50	n.d.
Potassium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-pentacosafluorododecane-1-sulphonate	85187-17-3	ppb	50	n.d.
Pentacosafluorododecane-1-sulfonic acid sodium salt	1260224-54-1	ppb	50	n.d.
Perfluorotridecanesulfonic acid	791563-89-8	ppb	50	n.d.
Sodium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,13-heptacosafluorotridecane-1-sulfonate	174675-49-1	ppb	50	n.d.
3-(Perfluoropentyl)-3-fluoro-2-propenoic acid	70887-88-6	ppb	50	n.d.
8:8 Perfluorophosphinic acid (8:8 PFPi)	40143-79-1	ppb	10	n.d.
Bis (heptadecafluorooctyl)phosphinic Acid Sodium Salt	500776-69-2	ppb	10	n.d.
Bis(perfluorooctyl) phosphinic acid erbium(3+) salt	500776-70-5	ppb	10	n.d.

Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt	500776-71-6	ppb	10	n.d.
2h,2h,3h,3h-perfluorononanoic acid	27854-30-4	ppb	25	n.d.
Perfluorohexyl ethylphosphonic acid	252237-40-4	ppb	25	n.d.
Tridecafluorooctyl-phosphonic acid sodium salt (1:1)	1189052-95-6	ppb	25	n.d.
6:6 Perfluorophosphinic acid (6:6 PFPi)	40143-77-9	ppb	25	n.d.
Bis(perfluorohexyl)phosphinic acid sodium salt	70609-44-8	ppb	25	n.d.
Bis(perfluorohexyl) phosphinic acid ytterbium(3+) salt	500776-72-7	ppb	25	n.d.
Bis(perfluorohexyl) phosphinic acid erbium(3+) salt	500776-73-8	ppb	25	n.d.
Perfluorobutane sulfon amides	30334-69-1	ppb	25	n.d.
Potassium (perfluorobutanesulfonyl)azanide (FBSA-K)	289042-19-9	ppb	25	n.d.
Nonafluorobutanesulfonamide ammonia salt (FBSA-NH4)	131003-86-6	ppb	25	n.d.
11H-Perfluoroundecanoic acid	1765-48-6	ppb	25	n.d.
Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate	307-71-1	ppb	25	n.d.
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate	5081-02-7	ppb	25	n.d.
11-H-Perfluoroundecanoate	69681-37-4	ppb	25	n.d.
Hexafluoroacetylacetone	1522-22-1	ppb	50	n.d.
Barium hexafluoroacetylacetonate (HFAC-Ba)	314071-48-2	ppb	50	n.d.
Calcium hexafluoroacetylacetonate (HFAC-Ca)	121012-90-6	ppb	50	n.d.
Copper(II) hexafluoroacetylacetonate hydrate (HFAC-Cu·H2O)	155640-85-0	ppb	50	n.d.
Magnesium bis(1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2-olate) (HFAC-Mg)	19648-85-2	ppb	50	n.d.
Manganese(2+) bis[(2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2-olate] (HFAC-Mn)	19648-86-3	ppb	50	n.d.
Nickel(2+) bis(1,1,1,5,5,5-hexafluoro-2,4-dioxopentan-3-ide) (HFAC-Ni)	14949-69-0	ppb	50	n.d.
Palladium(II) hexafluoroacetylacetonate (HFAC-Pd)	64916-48-9	ppb	50	n.d.
Tin(II) hexafluoroacetylacetonate (HFAC-Sn)	51319-99-4	ppb	50	n.d.

Strontium hexafluoroacetylacetonate (HFAC-Sr)	121012-89-3	ppb	50	n.d.
Bismuth(III) hexafluoroacetylacetonate (HFAC-Bi)	141364-06-9	ppb	50	n.d.
Erbium(III) hexafluoroacetylacetonate hydrate (HFAC-Er·H2O)	18923-92-7	ppb	50	n.d.
Indium hexafluoropentanedionate (HFAC-In)	34110-72-0	ppb	50	n.d.
Scandium(III) hexafluoroacetylacetonate (HFAC-Sc)	18990-42-6	ppb	50	n.d.
Yttrium hexafluoroacetylacetonate (HFAC-Y)	18911-76-7	ppb	50	n.d.
Cobalt(2+) bis[(2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2-olate] (HFAC-Co)	19648-83-0	ppb	50	n.d.
Caesium (2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2-olate (HFAC-Cs)	22518-56-5	ppb	50	n.d.
Sodium hexafluoroacetylacetonate (HFAC-Na)	22466-49-5	ppb	50	n.d.
Thorium hexafluoroacetylacetonate (HFAC-Th)	18865-75-3	ppb	50	n.d.
Perfluorooctane sulfonamidoacetic Acid (FOSAA)	2806-24-8	ppb	25	n.d.
N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion))	909405-47-6	ppb	25	n.d.
N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4	ppb	25	n.d.
N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5	ppb	25	n.d.
Sum PFAS		ppb	-	n.d.
Conclusion	--	--	-	Pass

Abbreviation: n.d. = not detected (< Reporting Limit)
RL = Reporting Limit
ppb= part per billion
µg/kg (microgram per kilogram) is equal to ppb

Remark:

1* Single element with an amount of less than the detection limit were not considered by the calculation of the sum. In the case of all elements were not detected, the result is stated < RL

2* Requirement according to Regulation (EU) 2025/40:
(a) 25 ppb for any PFAS as measured with targeted PFAS analysis (polymeric PFAS excluded from quantification);
(b) 250 ppb for the sum of PFAS measured as the sum of targeted PFAS analysis, where applicable with prior degradation of precursors (polymeric PFAS excluded from quantification)
(c) 50 ppm for PFASs (including polymeric PFAS); if total fluorine exceeds 50 mg/kg the manufacturer, importer or downstream user as defined respectively in Article 3, points (9), (11) and (13) of Regulation (EC) No 1907/2006 shall, upon request, provide to the manufacturer or the importer as defined respectively in Article 3(1), points (13) and (17), of this Regulation proof of the quantity of fluorine measured as content of either PFAS or non-PFAS in order for them to draw up the technical documentation as referred to in Annex VII to this Regulation.

3* Regulation (EU) 2025/40 does not provide an official list of individual PFAS substances. Therefore, the conclusion is based on the PFAS substances tested, which are determined according to TRVN's testing capability and agreed upon with the client.

4. Specific Migration of Bisphenols

Test method: The migratory behavior was examined with reference to Commission Regulation (EU) No. 10/2011 and its amendments. Determination with ref. to CEN/TS 13130-13:2005.

Limit: Commission Regulation (EU) No 10/2011 and its amendments

The following food simulant and condition was applied:

Food simulant	Test duration / Temperature
95% Ethanol	60ºC for 10 days

		Test No.:	T001		
		Material No.:	M001		
Parameter	CAS no.	Unit	RL	Result	Limit
Bisphenol A	80-05-7	µg/kg	1	n.d.	1
Bisphenol S	80-09-1	µg/kg	1	n.d.	1
Bisphenol F	620-92-8	µg/kg	1	n.d.	1
4,4'-Isobutylethylidenediphenol	6807-17-6	µg/kg	1	n.d.	1
Phenolphthalein	77-09-8	µg/kg	1	n.d.	1
Bisphenol AF (BPAF)	1478-61-1	µg/kg	1	n.d.	1
Bisphenol B	77-40-7	µg/kg	1	n.d.	1

Abbreviations:

n.d. = not detected (< Reporting Limit)

RL = Reporting Limit

ppb= part per billion

µg/kg (microgram per kilogram) is equal to ppb

Remark:

The examined item meets the requirement.

Sample Photos



M001 - Lab ID.: A004347295-003



M002 - Lab ID.: A004347295-001

- END -

I. General Terms and Conditions of TÜV Rheinland Vietnam (hereinafter "TRV")

1 Scope

1.1 The following General Terms and Conditions (hereinafter "GTC") of TRV apply to the services agreed between TRV and the client (hereinafter the "Parties") and include the ancillary services and other ancillary obligations provided within the framework of the execution of the contract (hereinafter jointly referred to as "Services"). In addition, and overriding to these General Terms and Conditions, the Special Terms and Conditions shall apply.

1.2 Both consumers and entrepreneurs may be clients within the meaning of these GTC.

1.3 If the client is a consumer, the "II. Special Terms and Conditions for Consumers" shall apply in addition and overriding to the General Terms and Conditions and the Special Terms and Conditions.

1.4 Conflicting or deviating terms and conditions of the client do not apply and are hereby excluded. General terms and conditions of the client shall not become part of the contract even if TRV does not expressly object to them, accepts payments of the client without reservation, or performs the Services without reservation.

1.5 In the context of an ongoing business relationship with the client, these GTC and the Special Terms and Conditions shall also apply to future contracts with these clients without TRV having to refer to them separately in each individual case.

1.6 Insofar as these GTC or the Special Terms and Conditions refer to the term "accreditor", this also includes authorization and recognition organizations; the terms "accreditation specifications", "accreditation requirements" and "accreditation procedures" apply accordingly to the specifications and procedures of the authorization or recognition organizations.

1.7 Insofar as these GTC or the Special Terms and Conditions refer to a written form requirement, written form within the meaning of the laws of Vietnam is sufficient to observe the written form requirement.

1.8 Individual agreements made with the client in individual cases (including collateral agreements, supplements, and amendments) shall in any case take precedence over these GTC. Subject to evidence to the contrary, a written contract or written confirmation from TRV is authoritative for the content of such agreements.

2 Quotations and conclusion of contract; term of contract

2.1 The contract is concluded by signing of the offer letter from TRV or a separate contract document by both contracting Parties or by TRV providing the Services requested by the client. If the client commissions TRV without a prior offer from TRV, TRV is entitled, at its sole discretion, to accept the order by a written declaration of acceptance or by rendering the Services ordered.

2.2 Insofar as a certain term of the contract has been agreed upon, this shall be based on what has been agreed in the offer of TRV or in the contract. An agreed term shall be extended by the term provided for in the offer or in the contract if the contract is not terminated in writing by one of the contracting Parties three (3) months prior to its expiration date.

3 Services Provision and scope of Services

3.1 Scope and type of Services to be provided by TRV are specified in the contractually agreed service description of TRV. If no separate service description of TRV is available, the last offer of TRV governs for the Services to be provided. The Parties can only agree on changes to the service description in writing. Unless otherwise agreed, Services beyond the scope of the service description (e.g., checking the correctness and functionality of parts, products, processes, installations, organizations not listed in the service description, as well as the intended use and application of such) are not owed. In particular, no responsibility is assumed for the design, selection of materials, construction or intended use of an examined part, product, process or plant, unless this is expressly stated in the order.

3.2 TRV is entitled to determine the method of service provision including examinations or tests carried out at its own discretion if not otherwise agreed in writing or mandatory regulations require a certain procedure.

3.3 If mandatory legal regulations and standards or official requirements for the agreed Services change after conclusion of the contract, TRV shall be entitled to additional remuneration for expenses required to address any such required changes.

3.4 Unless contractually agreed, when testing, TRV does not guarantee the accuracy of the safety programs or safety regulations on which the tests are based, which have been made available by the client or by third parties.

3.5 The Services owed under the contract are agreed exclusively with the client. A contact of third Parties with the Services of TRV, as well as making available and reliance on the performance results by any third party, is not part of the agreed Services. This also applies if the client passes on performance results - in full or in extracts - to third parties in accordance with Clause 10.4.

3.6 The Parties shall not include any third Parties in the scope of protection of the contract, unless the Parties have expressly agreed to such inclusion in writing, naming the third Party.

4 Performance periods/dates

4.1 The performance periods and dates specified in the contract are non-binding unless the performance periods and dates are expressly marked as binding in the contract.

4.2 If performance is delayed, the client may only withdraw from the contract in accordance with the statutory provisions if TRV is responsible for the delay in performance. Any statutory rights of termination remain unaffected. TRV is not responsible for a delay in performance, in particular if the client has not fulfilled its duties to cooperate in accordance with Clause 5.1 or has not done so in time and, in particular, has not provided TRV with all documents and information required for the performance of the service as specified in the contract.

4.3 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 TRV, which enable the client to comply with the legal and/or officially prescribed deadlines. TRV assumes no responsibility in this respect unless TRV expressly agreed in writing specifically stating that ensuring the deadlines is the contractual obligation of TRV.

5 Cooperation obligation of the client

5.1 The client shall carry out or provide all necessary cooperation and/or supporting information or documents, in particular the cooperation and/or supporting information or documents specified in Section II (Special Terms and Conditions) and shall provide information which enable TRV to render the contractual Services in conformity with the contract. The client is responsible for ensuring that all necessary cooperation actions, documents and information on its part, its agents or other third parties assigned to its sphere are provided in good time and free of charge for TRV.

5.2 All cooperation, documents and information mentioned under Clause 5.1 must comply with the relevant statutory regulations, standards, safety regulations and accident prevention regulations.

5.3 The client shall bear any additional costs incurred because of Services having to be repeated or being delayed due to delayed, incorrect or incomplete information or improper cooperation attributable to client. Even if a lump sum or a maximum price has been agreed, TRV is entitled to invoice these additional costs.

5.4 The client shall ensure TRV employee is provided with a safe work environment for executing the work assignments at client’s premises and also provide necessary inductions on workplace hazards, additional activity specific personnel protective equipment as applicable.

6 Prices and accounting of Services

6.1 Insofar as TRV and the client have agreed a fixed lump-sum price in the contract, this shall be invoiced. If the scope of Services is not completely defined in writing when the contract is concluded, the Services provided by TRV are invoiced according to the expenditure of time and the fee agreed in the contract.

If the amount of the fee has not been agreed in writing in the contract, invoicing shall be based on the TRV price list valid at the time the Services is provided, which will be made available to the client upon request. Unless otherwise agreed, the applicable value added tax or similar tax has to be added to the agreed upon price.

6.2 Unless otherwise agreed in writing, the applicable value added tax has to be added to the agreed upon price. Partial acceptance is possible. In the event of partial acceptance, the partial remuneration is due after successful acceptance of individual work parts.

6.3 TRV is entitled to demand down payments for Services already provided in accordance with the contract in the amount of the value of the Services provided and owed under the contract.

7 Payment terms/costs/offsetting

7.1 All invoice amounts are due for payment within 30 days of the invoice date.

All invoice amounts are due for payment immediately without deduction upon receipt of the invoice. Discounts and rebates are not granted.

7.2 Payments shall be made to the bank account of TRV stated in the invoice, indicating the invoice number and client number. Unless otherwise agreed by the Parties in the contract, payments shall be made to the bank account of TRV stated in the invoice, indicating the invoice number and client number within 30 days of the invoice date. Payments shall be made in Vietnam Dong or in foreign currency, if permitted by Vietnamese law.

7.3 In the event of default as to late payment by clients, TRV is entitled to charge default interest at a rate of 20% per year on above default balance calculated on daily basis. TRV reserves the right to claim further damages.

7.4 If the client is in default with the payment of the invoice, TRV is entitled to withdraw from the contract with the client after expiry of a reasonable grace period (a) to withdraw an already issued certificate or test mark, to demand back work results, such as test reports, and to declare declarations of conformity invalid and (b) to terminate the contract without notice in the event that the contract is a continuing obligation or a contract with an agreed term.

7.5 Insofar as TRV becomes aware of circumstances after conclusion of the contract from which insolvency or other significant deterioration of the client's financial circumstances occurs or threatens to occur and the fulfilment of the contractual obligations is thereby endangered, TRV is entitled to refuse the corresponding Services under the contract. The right to refuse performance shall cease to apply if the client effects the contractual obligations or provides security in the amount of the endangered payment claim. If the client does not provide its services owed or adequate security within a reasonable period of time, TRV is entitled to terminate the contract while maintaining its claims for compensation and penalty.

7.6 Objections regarding TRV’s invoices must be made in writing within 2 weeks of receipt of the invoice. TRV will make special reference to the aforementioned payment deadline in its invoices.

7.7 TRV is entitled to demand an appropriate advance payment, insofar as this is reasonable for the client taking into account the order value and the scope of the service owed by TRV.

7.8 Only legally established or undisputed claims may be offset against claims of TRV. This limitation of set-off does not apply if the claims and counterclaims of TRV and the client are based on the same legal relationship. The same applies to the assertion of rights of retention by the client.

7.9 TRV shall be entitled to raise its fees at the beginning of a month if overheads and/or purchase costs have increased. In this case, TRV shall notify the client in writing of the rise in fees. This notification shall be issued one month prior to the date on which the rise in fees shall come into effect (period of notice of changes in fees). If the rise in fees remains under 5% per contractual year, the client shall not have any special right of termination. If the rise in fees exceeds 5% per contractual year, the client shall be entitled to terminate the contractual relationship by the end of the period of notice of changes in fees. If the contract is not terminated, the changed fees shall be deemed to have been agreed upon expiry of the above period.

7.10 Client shall pay any taxes, including VAT or similar tax, due in relation to the Services provided. TRV will only apply the zero VAT rate for exported services if client can substantiate that all conditions are fulfilled, and appropriate documentation is provided by the client as required under prevailing tax regulations. In the event that the Vietnamese tax authorities determine that the facts presented by the client are incorrect and assess standard VAT rate, the client agrees to pay the assessed VAT plus applicable penalties and interest to TRV within thirty (30) days of being advised by TRV.

8 Acceptance

8.1 In the case of agreed contractual Services or if acceptance of the work has been contractually agreed, the client is obliged to accept immediately after notification of completion, even in the case of partial performance or completion of self-contained parts. The costs of acceptance shall be borne by the client.

8.2 If the client does not meet its acceptance obligation without delay, acceptance shall be deemed to have taken place four (4) calendar weeks after the performance of the service if TRV specifically refers the client to the aforementioned period when the service is performed.

8.3 The client is not entitled to refuse acceptance due to insignificant defects.

9 Confidentiality

9.1 "Confidential Information" means all information, documents, pictures, drawings, know-how, data, samples and project documents handed over by one Party (hereinafter "Disclosing Party") to the other Party (hereinafter "Receiving Party") or otherwise disclosed from the beginning of the contract. This also includes copies of this information in paper and electronic form. When provided in writing or in any other physical form, Confidential Information must be identified by the words "confidential" or a similar wording indicating the confidential nature of the information.

In the case of Confidential Information that is passed on orally, appropriate prior notice of the confidentiality of such information must be provided and later memorialized in writing.

Confidential Information is expressly not the data and know-how collected, compiled or otherwise obtained by TRV (non-personal) within the scope of the provision of Services by TRV. TRV is entitled to store, use, further develop and pass on the data obtained in connection with the provision of Services for the purposes of developing new Services, improving Services and analyzing the provision of Services.

9.2 Confidential Information

(a) May only be used by the Receiving Party to fulfil the purpose of the contract, unless otherwise expressly agreed in writing with the Disclosing Party,

(b) May not be duplicated, distributed, published or passed on in any other form by the receiving Party, with the exception of such Confidential Information necessary to fulfil the purpose of the contract or such Confidential Information which the Receiving Party must pass on the basis of judicial instructions or legal or governmental regulations; this concerns in particular the Confidential Information to be passed on to supervisory authorities and/or accreditors of TRV within the framework of an accreditation procedure or, within the framework of the provision of Services, to Affiliated Companies of TRV or subcontractors or their respective employees. “Affiliated Companies” shall mean all companies, directly or indirectly, owned or controlled by, or owning or controlling, or under common control with a Party. For purposes of this definition "control" of a company shall mean to have, directly or indirectly, (i) the ownership of the majority of shares or voting rights or (ii) the right to elect or appoint, directly or indirectly, the majority of the managing directors, the board of directors, or a similar managing body or (iii) the power to direct or cause the direction of the management and policies of a corporation, company or other entity.

(c) Must be treated confidential by the Receiving Party in the same way as it treats its own Confidential Information, but in no case less carefully than with reasonable care and attention.

9.3 The Receiving Party shall make the Confidential Information received from the Disclosing Party available only to those persons who need it to provide Services under this GTC. These persons include advisors to the Receiving Party and its Affiliates and subcontractors.

9.4 The term “Confidential Information” does not include information which

(a) Was already generally known at the time of publication or becomes known to the general public without a violation of this GTC, or

(b) Was demonstrably known to the Receiving Party at the time of conclusion of the contract or are thereafter disclosed in a justified manner by a third Party; or

(c) was already in the possession of the Receiving Party prior to transmission by the Disclosing Party; or

(d) The Receiving Party has independently developed irrespective of the transmission by the Disclosing Party.

9.5 Confidential information remains the property of the respective Disclosing Party. The Receiving Party hereby agrees to immediately (i) return all Confidential Information, including all copies thereof, to the Disclosing Party at any time upon the request of the Disclosing Party, or to (ii) destroy the Confidential Information, including all copies thereof, upon the request of the Disclosing Party, and to confirm in writing to the Disclosing Party the fact of such destruction.

The above-mentioned obligation to return or destroy does not apply to

(a) Reports and certificates drawn up exclusively for the purpose of fulfilling the contractual obligations under the contract for the client, which remain with the client. However, TRV is entitled to take copies of this and the Confidential Information, which forms the basis for the preparation of these reports and certificates, as proof of proper performance of the contract and for general documentation purposes for its files; or

(b) Confidential Information that is stored on backup servers or in analog backup systems on a generational basis during routine data backups as part of normal archiving processes; or

(c) The extent contrary to laws, regulations, orders of a competent court, an administration or supervisory authority or an accreditation body.

9.6 This confidentiality obligation exists from the beginning of the contract and continues to apply for a period of five years after termination of the contract.

10 Copyrights and rights of use, publication

10.1 The copyrights of the reports, test reports, test results, expert opinions, results, calculations, representations, etc. prepared within the scope of the order (hereinafter "Performance Results") are owned by TRV. As the owner of the copyrights, TRV is free to grant others the right to use the Performance Results for individual or all types of use (hereinafter "Right of Use").

10.2 The client receives a non-exclusive, unlimited, non-transferable, non-sub licensable right of use to the contents of the service results produced within the scope of the order, unless otherwise contractually agreed in individual cases. The Right of Use is limited to the contractual purpose (e.g., use of test reports, audit reports as proof of audits carried out or in the case of a contractually agreed review of a management system for conformity with certification conditions as proof of the corresponding decision).

10.3 The transfer of Rights of Use of the generated Performance Results regulated in Clause 10.2. of these GTC is subject to full payment of the remuneration agreed in favor of TRV.

10.4 The client may only pass on the Performance Results in full unless TRV has given its prior written consent to the partial passing on of Performance Results.

10.5 Any publication or reproduction of the Performance Results for advertising purposes or any further use of the Performance Results beyond the scope regulated in Clause 10.2 requires the prior written consent of TRV in each individual case. The client shall be responsible for and hold TRV harmless from any damages or complaints caused by publication or duplication of the service results for promotion purposes.

10.6 TRV may revoke a once given approval according to Clause 10.5 at any time without stating reasons. In this case, the client is obliged to stop the transfer of the Performance Results immediately at its own expense and, as far as possible, to withdraw publications.

10.7 The consent of TRV to publication does not entitle the client to use the corporate logo of TRV, also registered as a Union trademark (Reg.-No.: 005871116) or the corporate design of TRV as reference advertising.

11 Defects

11.1 The legal warranty rights shall apply, unless otherwise regulated in these conditions.

11.2 In the event of a defect, the client has a claim to supplementary performance. Supplementary performance shall be effected at the discretion of TRV either by rectification or new delivery. Generally, supplementary performance by TRV is carried out as a gesture of goodwill and without recognition of a legal obligation. Acknowledgement with the consequence of a new start of the statute of limitations shall only exist if TRV has expressly declared this to the client. If the supplementary performance fails, the client is entitled either to withdraw from the contract or to reduce the price. Supplementary performance shall be deemed to have failed after the second unsuccessful attempt, unless the nature of the item or the defect or other circumstances in particular indicate otherwise.

11.3 The notification of defects by the client must be in writing.

The client's claims for defects regulated in this Clause 11 shall become statute-barred within one (1) year from the beginning of the statutory limitation period. TRV is not required to perform and the claim for performance or cure would be excluded in case where (i) the performance is impossible for TRV or for any other person, or (ii) the performance requires expense and effort which is grossly disproportionate to the interest in performance of the client, or (iii) the obstacle to the performance of the TRV is weighed against the interest of the client in performance, performance cannot be reasonably required of the TRV ; or (iv) the cure is possible only at disproportionate expense.

Notwithstanding the foregoing, the statutory limitation period shall apply a) in respect of all claims and rights of the client in cases of: (i) establishment of ownership rights resulting from prescriptive periods with respect to possession or deriving benefits from property unlawfully, (ii) in relation to building and a thing that has been used for a building in accordance with the normal way it is used and has resulted in the defectiveness of the building, (iii) and in the event of fraudulent concealment of the defect or b) in the event of claims for damages in the event of injury to life, body or health, claims under the applicable laws of Vietnam as well as grossly negligent or intentional breaches of duty.

11.4 Apart from the claims mentioned in Clause 11, the client is not entitled to any further claims and rights due to defects, with the exception of claims for damages and reimbursement of expenses. Liability for damages and

I. General Terms and Conditions of TÜV Rheinland Vietnam (hereinafter "TRV")

reimbursement of expenses shall be governed by Clause 12 of these Terms and Conditions.

12 Damages and Reimbursement of Expenses

12.1 TRV is not liable for damages or reimbursement of expenses on whatever legal grounds - in particular due to defects, breach of duties arising from the contractual relationship or tort. This applies in particular, but not exclusively, to claims for damages due to lost sales or profits, financing costs as well as damages as a result of business interruption or loss of production.

12.2 This exclusion of liability according to Clause 12.1 does not apply in the case of (a) intent or gross negligence, (b) liability for guaranteed quality characteristics, (c) liability on the basis of the Product Liability Act and (d) culpable injury to life, body or health. In addition, TRV is also liable in accordance with legal provisions in the event of a breach of essential contractual obligations, i.e., obligations whose fulfilment is essential for the proper execution of the contract and on whose observance the client regularly relies on and may rely.

12.3 Insofar as TRV is not liable for intent or gross negligence, injury to life, body or health, for guaranteed quality characteristics or under the Product Liability Act, TRV's liability in the event of a breach of essential contractual obligations is limited to the foreseeable damage typical for the contract.

12.4 Insofar as liability under this Clause 12 is excluded or limited, this shall also apply to the personal liability of the employees, representatives, organs and other employees of TRV and its assistant and vicarious agents.

12.5 The limitation period for claims for damages and reimbursement of expenses shall be governed by legal provisions.

12.6 No change in the burden of proof to the detriment of the client shall be construed with the above-mentioned provisions.

12.7 Unless otherwise contractually agreed in writing, TRV shall only be liable under the contract to the client and, if applicable, to a third Party explicitly named in writing in the contract. Liability towards other third Parties is excluded with the exception of liability in tort.

13 FORCE MAJEURE

13.1 "Force Majeure" means the occurrence of an event or circumstance that prevents or impedes a Party from performing one or more of its contractual obligations under the contract, if and to the extent that Party proves: (a) that such impediment is beyond its reasonable control; and (b) that it could not reasonably have been foreseen at the time of the conclusion of the contract; and (c) that the effects of the impediment could not reasonably with its best efforts have been avoided or overcome by the affected Party.

13.2 In the absence of proof to the contrary, the following events affecting a Party shall be presumed to fulfil conditions (a) and (b) under paragraph 1 of this Clause: (i) war (whether declared or not), hostilities, invasion, act of foreign enemies, extensive military mobilization; (ii) civil war, riot, rebellion and revolution, military or usurped power, insurrection, act of terrorism, sabotage or piracy; (iii) currency and trade restriction, embargo, sanction; (iv) act of authority whether lawful or unlawful, compliance with any law or governmental order, expropriation, seizure of works, requisition, nationalization; (v) plague, epidemic, natural disaster or extreme natural event; (vi) explosion, fire, destruction of equipment, prolonged break-down of transport, telecommunication, information system or energy; (vii) labor disturbance such as boycott, strike and lock-out, go-slow. The Force Majeure shall not include financial crisis.

13.3 The Party successfully invoking this Clause is relieved from its duty to perform its obligations under the contract and from any liability in damages or from any other contractual remedy for breach of contract, he written notice shall be given within [24hours] of becoming aware of its inability to perform the Contract due to Force Majeure and will make every effort to avoid or remedy the cause of Force Majeure. If the affected Party does not promptly send a written notice to the other Party within the above-said [24 hours], the affected Party shall remain responsible for Force Majeure.

The performance of the Contract by the Parties (exclusive of the obligation to effort to avoid or take remedies the cause of Force Majeure) shall be suspended during the time of the Force Majeure. In this case, all other provisions of the Contract will be extended for a reasonable period equal to the period from the beginning of the Force Majeure until remedying the Force Majeure.

Where the effect of the impediment or event invoked is temporary, the performance of the contract by the Parties (exclusive of the obligation to effort to avoid or take remedies the cause of Force Majeure's Event) shall be suspended during the time of the Force Majeure. In this case, all other provisions of the contract will be extended for a reasonable period equal to the period from the beginning of the Force Majeure until remedying the Force Majeure. Where the duration of the impediment invoked has the effect of substantially depriving the contracting Parties of what they were reasonably entitled to expect under the contract, either Party has the right to terminate the contract by serving the written notice [30 days] in advance to the other Party. The Parties shall thereafter have no claim against each other in relation to such termination Unless otherwise agreed, the Parties expressly agree that the contract may be terminated by either Party if occurrence of Force Majeure exceeds 120 days which cannot be repaired or restored by the affected Party.

14 HARDSHIP

14.1 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 contract.

14.2 Notwithstanding paragraph 1 of this Clause, where a Party proves that:

(a) There are significant changes in situation after the contract is entered into that the continued performance of its contractual duties has become excessively onerous due to an event beyond its reasonable control which it could not reasonably have been expected to have taken into account at the time of the conclusion of the contract; and that

(b) It could not reasonably have avoided or overcome the event or its consequences, the Parties are bound, within a reasonable time of the invocation of this Clause, to negotiate alternative contractual terms which reasonably allow to overcome the consequences of the event.

14.3 Where Clause 14.2 applies, but where the Parties have been unable to agree alternative contractual terms as provided in that paragraph within [120 days] from the date occurrence of situation in Clause 14.2 to enable the affected-Party to continue the performance of the contract, affected-Parties is entitled to terminate the contract by giving one month written notice to the other Party.

15 Export control

15.1 When passing on the Services provided by TRV or parts thereof to third Parties in Vietnam or abroad, the client must comply with the respectively applicable regulations of national and international export control law.

15.2 The performance of a contract with the client is subject to the proviso that there are no obstacles to performance due to national or international foreign trade legislations or embargos and/or sanctions.

16 Liability of TRV

16.1 Irrespective of the legal basis and in particular in the event of a breach of contractual obligations and tort, the liability of TRV for any damage, loss and reimbursement of expenses caused shall be limited to: (i) in the case of contract with a fixed overall fee, ten times the overall fee for the entire contract; (ii) in the case of contracts for annually recurring Services, to the agreed annual fee; (iii) in the case of contracts expressly charged on a time and material basis, to a maximum of VND 520 million and (iv) in the case of framework agreements that provide for the possibility of placing individual orders, to an amount equal to three times the fee for the individual order under which the damage occurred. The maximum liability of TRV is limited in any event of damage or loss to VND 60 billion.

16.2 Any liability in relation to the Services would be of TRV. The client agrees not to bring any claim, including for negligence, against TRV's members, directors, employees or agents.

16.3 TRV shall not be liable for personnel made available by the client to support TRV in the performance of its services regulated under the contract. The client shall indemnify TRV against any claims made by third parties.

16.4 The limitation periods for claims for damages shall be two years from the date on which the cause of action accrues.

16.5 None of the provisions of this Clause 16 changes the burden of proof to the disadvantage of the client.

17 Partial invalidity, place of performance, jurisdiction

17.1 In the event that one or more provisions of these GTC should be invalid, the remaining provisions of these terms and conditions shall remain unaffected.

17.2 The place of performance for all obligations under these GTC or the contract, including supplementary performance, shall be the registered office of the respective TRV company providing the service owed under the contract.

17.3 The place of jurisdiction for all disputes arising from and in connection with the contractual relationship is Vietnam, insofar as the client is a merchant, a legal entity under public law or a special fund under public law. However, TRV is entitled to sue the client at his general place of jurisdiction or at another competent court. The above provisions do not apply if the law provides for an exclusive place of jurisdiction. In relation to non-merchants, Vietnam shall be the place of jurisdiction if the client moves his place of residence or usual abode abroad after conclusion of the contract or his place of residence or usual abode is not known to TRV at the time the claims are asserted in the competent court of Vietnam.

17.4 The legal and business relations between TRV and the client shall be governed exclusively by Vietnamese substantive law to the exclusion of international private law.

18 Data protection notice

TRV processes personal data of the client for the purpose of fulfilling this contract. In addition, TRV also processes the data for other legal purposes in accordance with the relevant legal basis (e.g., balancing of interests / consent). The personal data of the client will only be disclosed to other natural or legal persons if the legal requirements are met. This also applies to transfers to third countries. The personal data will be deleted immediately as soon as a corresponding reason for deletion arises.

Legal record retention periods, which result from mandatory statutory provisions (e.g., retention periods under accounting or tax requirements) are taken into account. Data subjects may exercise the following rights: right of information, right of rectification, right of deletion, right of processing limitation, right of objection, right of data transferability. In addition, persons concerned by the data processing have the right to revoke their consent at any time with effect for the future, as well as the right to file a complaint with the competent data protection supervisory authority.

For further details on the processing of personal data by TRV as the person responsible or contract processor, please refer to the respective data protection information. You can contact the Data Protection Officer of TRV by mail to the following address: TÜV Rheinland Vietnam, Floor 05 Anna Building, Quang Trung Software City, Tan Chanh Hiep Ward, District 12, Ho Chi Minh City, Vietnam.

30 June 2022

II. Special Terms and Conditions for Consumers

For the avoidance of doubt, this provision of this section is only applied to the client is the consumers. For consumers, the following provisions apply preferential to the General Terms and Conditions and the Special Terms and Conditions of TRV:

1. Offers and conclusion of contract

1.1 Inquiries of the client regarding the provision of Services by TRV, which are made by means of remote communication (e.g., letter, telephone, e-mail), are not binding. Upon receipt of an enquiry, TRV will send the client an offer by letter or e-mail containing details regarding the client's enquiry (including prices, total price and any other additional costs which may be incurred in individual cases and the term of the contract or the conditions for termination of a permanent contract or contracts which automatically renew themselves) and to which these conditions are attached (hereafter "offer"). However, TRV is not obliged to submit an offer. Upon receipt of the acceptance of TRV's offer by the client by letter or e-mail, a contract is concluded with TRV and the client. However, if TRV's offer is expressly designated as "subject to confirmation" or "non-binding", a contract is only concluded when the client places an order by letter or e-mail based on TRV's “without obligation” or “non-binding” offer and the corresponding confirmation of acceptance by TRV.

1.2 TRV will provide the client with a confirmation of the contract after conclusion of the contract, but at the latest upon performance, in which the contract content including these conditions is reproduced on a permanent data medium (e.g., by letter or e-mail).

2. Right of revocation

2.1 Consumers have the following right of revocation:

Revocation instruction

Right of revocation

The client has the right to revoke a contract within fourteen days without giving reasons. The revocation period is fourteen days from the date of conclusion of the respective contract.

To exercise this right of revocation, the client must inform TRV:

TÜV Rheinland Vietnam

Floor 5, Anna Building, Quang Trung Software City, Tan Chanh Hiep Ward, District 12, Ho Chi Minh City, Vietnam

Tel: +84 28 3842 0600

by means of a clear declaration (e.g., a letter or e-mail) of the client’s decision to revoke the contract. The client may use the attached model revocation form, it being understood that the use of this form is not mandatory.

In order to comply with the revocation period, it is sufficient that the client sends the notice of the exercise of the revocation right before the expiry of the revocation period.

Consequences of the revocation

If the client revokes this contract, we will refund all payments we have received from the client, including delivery costs (except for the additional costs resulting from the client choosing a delivery method other than the cheapest standard delivery offered by TRV), immediately and at the latest within 14 days from the day TRV receives notice of cancellation. TRV will use the same means of payment for the refund as the client used for the original transaction, unless expressly agreed otherwise with the client; in no event will the client be charged any fees for this refund.

If the client has requested that the Services commence during the cancellation period, the client shall pay to TRV an appropriate amount corresponding to the proportion of the Services already provided by TRV at the time the client notifies TRV of the exercise of the right of revocation under this contract compared to the total scope of the Services provided for in the contract.

Model revocation form

(If the client wants to cancel the contract, please fill out this form and send it back.)

- To: TÜV Rheinland Vietnam Co., Ltd
Floor 5, Anna Building, Quang Trung Software City, Tan Chanh Hiep Ward, District 12, Ho Chi Minh City, Vietnam
Tel: +84 28 3842 0600

- I/We (*) hereby revoke the contract concluded by me/us (*) for the purchase of the following goods (*)/ the provision of the following service (*)

- Ordered on (*)/received on (*)

- Name of the consumer(s)

- Address of the consumer(s)

- Signature of the consumer(s) (only if communicated on paper)

- Date

2.2 The client will lose its right of revocation for Service contracts if TRV has completed the agreed Services during the revocation period, provided that TRV started providing the Services after the consumer has given its express consent and has confirmed its knowledge that it will lose its right of revocation upon complete fulfilment of the contract by TRV. In the case of a contract concluded off site of the premises, the consumer's consent must be transmitted on a durable medium.

3. Prices

The lump-sum fixed prices or fees specified in the TRV offer are gross prices including legal value-added tax. The price includes value-added tax.

4. Defects

Clauses 11.2 - 11.5 of the General Terms and Conditions do not apply to consumers.

5. Export control

Clause 13 of the General Terms and Conditions does not apply to consumers.

6. Term

6.1 The term of a contract shall not exceed two (2) years.

6.2 Notwithstanding Clause 2.2 sentence 2 of the GTC, an agreed term shall be extended by a maximum of one year if the contract is not terminated in writing by one of the contracting Parties three (3) months before expiry of the term provided for in the offer or contract.