

**Test Report No.:** CANEC24015810601 **Date:** Jul 26, 2024 Page 1 of 9

Client Name: Uniroyal Electronics Industry Co., Ltd.

Client Address: 88 Longteng Road, Economic & Technical Development Zone, Kunshan City, Jiangsu,

CHINA

Sample Name: Chip Resistors

Buyer: Uniroyal Electronics Global Co.,Ltd

Supplier: Uniroyal Electronics Industry Co., Ltd
Aeon Technology Corporation Co.,Ltd.

Royal Electronic Factory (Thailand) Co.,Ltd. Royal Technology (Thailand) Co.,Ltd.

UNUS TECHNOLOGY CORPORATION

The above sample(s) and information were provided by the client.

The above dampie(d) and illicities were provided by the disciti

SGS Job No.: XMP24-003314 Sample Receiving Date: Jul 19, 2024

Testing Period: Jul 19, 2024 ~ Jul 26, 2024

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).

Test Requirement	Conclusion
Entry 20 of Regulation (EU) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Organostannic compounds	Pass
Entry 68 of Regulation (EU) 2021/1297 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances	Pass

Signed for and on behalf of SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen

Approved Signatory





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#### Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN24-0158106-0001.C001	"Chip Resistors"

#### Remarks:

- (1) 1 mg/kg = 1 ppm = 0.0001%
- (2) MDL = Method Detection Limit
- (3) ND = Not Detected (< MDL)
- (4) "-" = Not Regulated

## Entry 20 of Regulation (EU) No 276/2010 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - Organostannic compounds

**Test Method:** With reference to ISO 17353:2004, analysis was performed by GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1
Tributyltin(TBT) by Weight of Tin	-	%	0.01	ND
Triphenyltin(TPhT) by Weight of Tin	-	%	0.01	ND
Tricyclohexyltin(TCyT) by Weight of Tin	-	%	0.01	ND
Trioctyltin(TOT) by Weight of Tin	-	%	0.01	ND
Tripropyltin (TPT) by weight of Tin	-	%	0.01	ND
Trimethyltin(TMT) by Weight of Tin	-	%	0.01	ND
Σ of Tri substituted organotin compounds	0.1	%	-	ND
by Weight of Tin	• • • • • • • • • • • • • • • • • • • •			
Dibutyltin(DBT) by Weight of Tin	0.1	%	0.01	ND
Dioctyltin(DOT) by Weight of Tin	0.1	%	0.01	ND
Conclusion				Pass

## Entry 68 of Regulation (EU) 2021/1297 amending Annex XVII of REACH Regulation (EC) No 1907/2006 - C9-C14 PFCAs, their salts and C9-C14 PFCA-related substances

**Test Method:** Modified EN 17681-1:2022 and EN 17681-2:2022, analysis was performed by LC-MS or LC-MS/MS and GC-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1	
C9-C14 PFCA, their salts	C9-C14 PFCA, their salts					
Perfluorononane Acid (PFNA), its salts^	375-95-1	ı	μg/kg	10	ND	
Perfluorodecane Acid (PFDA), its salts^	335-76-2	ı	μg/kg	10	ND	
Perfluoroundecanoic Acid (PFUnDA), its salts^	2058-94-8	ı	μg/kg	10	ND	
Perfluorododecanoic Acid (PFDoDA), its salts^	307-55-1	-	μg/kg	10	ND	
Perfluorotridecanoic Acid (PFTrDA), its salts^	72629-94-8	-	μg/kg	10	ND	
Perfluorotetradecanoic Acid (PFTDA), its salts^	376-06-7	-	μg/kg	10	ND	
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	172155-07-6	-	μg/kg	10	ND	



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No. CANEC240	313010001	Date.	Jul 20, 202	4	raye 3 01
Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
Sum of C9-C14 PFCA, their salts	-	25	μg/kg	-	ND
C9-C14 PFCA-related substances					•
Perfluorodecane sulfonic acid (PFDS), its salts^	335-77-3	-	μg/kg	10	ND
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	-	μg/kg	100	ND
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	-	μg/kg	100	ND
1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA)	2144-54-9	-	μg/kg	100	ND
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH)	39239-77-5	-	μg/kg	100	ND
1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0	-	μg/kg	100	ND
1,1,2,2-Tetrahydroperfluorododecyl iodide (10:2 FTI)	2043-54-1	-	μg/kg	100	ND
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	-	μg/kg	100	ND
Perfluorononane sulfonic acid (PFNS), its salts^	68259-12-1	-	μg/kg	10	ND
Perfluoroundecane sulfonic acid (PFUnDS), its salts^	749786-16-1	-	μg/kg	10	ND
Perfluorododecane sulfonic acid (PFDoDS), its salts^	79780-39-5	-	μg/kg	10	ND
Perfluorotridecane sulfonic acid (PFTrDS), its salts^	791563-89-8	-	μg/kg	10	ND
10:2 Fluortelomerphosphatediester (10:2 diPAP), its salts^	1895-26-7	-	μg/kg	100	ND
Perfluorodecyl iodide (PFDI)	423-62-1	-	μg/kg	100	ND
Perfluorododecyl iodide (PFDoDI)	307-60-8	-	μg/kg	100	ND
2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA)	70887-94-4	-	μg/kg	100	ND
2-Perfluorodecyl ethanoic acid (10:2 FTCA)	53826-13-4	-	μg/kg	100	ND
1H,1H,2H,2H-perfluorododecyl acetate (10:2 FTOAc)	37858-05-2	-	μg/kg	100	ND
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS), its salts^	39108-34-4	-	μg/kg	10	ND
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)	27905-45-9	-	μg/kg	100	ND
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	-	μg/kg	100	ND
2H,2H-Perfluorodecane Acid (8:2 FTCA), its salts^	27854-31-5	-	μg/kg	10	ND
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	-	μg/kg	100	ND
1-lodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI)	2043-53-0	-	μg/kg	100	ND



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Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
1H,1H,2H,2H- Perfluorodecyltriethoxysilane (8:2 FTSi(OC <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )	101947-16-4	-	μg/kg	100	ND
bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP), its salts^	678-41-1	-	μg/kg	10	ND
2H,2H,3H,3H-Perfluoroundecanoic Acid (8:3 FTCA), its salts^	34598-33-9	-	μg/kg	10	ND
1H,1H,2H-Heptadecafluoro-1-decene (PFDE)	21652-58-4	-	μg/kg	100	ND
1H,1H,2H,2H- Perfluorodecyltrichlorosilane (8:2 FTSiCl <sub>3</sub> )/1H,1H,2H,2H- Perfluorodecyltrimethoxysilane (8:2 FTSi(OCH <sub>3</sub> ) <sub>3</sub> )	78560-44-8 /83048-65-1	-	μg/kg	100	ND
1H,1H,2H,2H-perfluorodecyl acetate (8:2 FTOAc)	37858-04-1	-	μg/kg	100	ND
8:2 Fluorotelomer phosphate monoester (8:2 monoPAP), its salts^	57678-03-2	-	μg/kg	100	ND
Sum of C9-C14 PFCA-related substances	-	260	μg/kg	-	ND
Conclusion				Pass	

#### Notes:

- (1)  $1\mu g/kg=1ppb$ .
- (2) Until 25 August 2024, the concentration limit shall be 2000 ppb for the sum of C9-C14 PFCAs in fluoroplastics and fluoroelastomers that contain perfluoroalkoxy groups. From 25 August 2024, the concentration limit shall be 100 ppb for the sum of C9-C14 PFCAs, in fluoroplastics and fluoroelastomers that contain perfluoroalkoxy groups.
- (3) The concentration limit shall be 1000ppb for the sum of C9-C14 PFCAs, where these are present in PTFE micro powders produced by ionising irradiation or by thermal degradation, as well as in mixtures and articles for industrial and professional uses containing PTFE micro powders.
- (4) ^=Substances refer to its salts/derivative listed in below table.

Substance Name	CAS No.
PFNA, its salts	
Perfluorononane Acid (PFNA)	375-95-1
Perfluorononanoate Na-Salt (PFNA-Na)	21049-39-8
Nonanoic acid, heptadecafluoro-, ammonium salt (PFNA-NH <sub>4</sub> )	4149-60-4
Potassium perfluorononanoate (PFNA-K)	21049-38-7
Perfluorononanoate Li-Salt (PFNA-Li)	60871-92-3
Silver perfluorononanoate (PFNA-Ag)	7358-16-9
Methanaminium perfluorononanoate (PFNA-NH <sub>3</sub> (CH <sub>3</sub> ))	77032-23-6
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) PFNA-NH <sub>2</sub> ( $C_2H_5$ ) <sub>2</sub> )	77032-27-0
Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-methylmethanamine (1:1) (PFNA-NH $_2$ (CH $_3$ ) $_2$ )	77032-24-7
Nonanoic acid, heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (9CI) (PFNA-NH(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )	327176-80-7



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•	<u>-</u>
Nonanoic acid, heptadecafluoro-, compd. with piperidine (1:1) (9CI) (PFNA-NH <sub>2</sub> (C <sub>5</sub> H <sub>10</sub> ))	95682-66-9
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) (PFNA-NH <sub>3</sub> ( $C_6H_5$ ))	95682-67-0
Nonanoic acid, heptadecafluoro-, compd. with cyclohexanamine (1:1) (9CI) (PFNA-NH <sub>3</sub> (C <sub>6</sub> H <sub>11</sub> ))	328531-06-2
Perfluorononanoate (anion)	72007-68-2
4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptadecafluorononanoate (PFNA-C <sub>11</sub> H <sub>12</sub> N <sub>4</sub> O <sub>3</sub> S)	298703-33-0
Perfluorononanoic anhydride (PFNAA)	228407-54-3
PFDA, its salts	
Perfluorodecane Acid (PFDA)	335-76-2
Sodium perfluorodecanoate (PFDA-Na)	3830-45-3
Perfluorodecanoate ammonium salt (PFDA-NH <sub>4</sub> )	3108-42-7
Potassium perfluorodecanoate (PFDA-K)	51604-85-4
Silver perfluorodecanoate (PFDA-Ag)	5784-82-7
Lithium perfluorodecanoate (PFDA-Li)	84743-32-8
Perfluorodecanoate (anion)	73829-36-4
Perfluorodecanoic anhydride (PFDAA)	942199-24-8
PFUnDA, its salts	
Perfluoroundecanoic Acid (PFUnDA)	2058-94-8
Perfluoroundecanoic acid sodium salt (PFUnDA-Na)	60871-96-7
Ammonium perfluoroundecanoate (PFUnDA-NH <sub>4</sub> )	4234-23-5
Potassium perfluoroundecanoate (PFUnDA-K)	30377-53-8
Calcium perfluoroundecanoate (PFUnDA-Ca)	97163-17-2
Perfluoroundecanoate (anion)	196859-54-8
PFDoDA, its salts	
Perfluorododecanoic Acid (PFDoDA)	307-55-1
Ammonium tricosafluorododecanoate (PFDoDA-NH <sub>4</sub> )	3793-74-6
Sodium perfluorododecanoate (PFDoDA-Na)	60872-01-7
Perfluorododecanoate (anion)	171978-95-3
PFTrDA, its salts	
Perfluorotridecanoic Acid (PFTrDA)	72629-94-8
Ammonium perfluorotridecanoate (PFTrDA-NH <sub>4</sub> )	4288-72-6
Perfluorotridecanoate (anion)	862374-87-6
PFTDA, its salts	
Perfluorotetradecanoic Acid (PFTDA)	376-06-7
Perfluorotetradecanoate (anion)	365971-87-5
PFDS, its salts	
Perfluorodecane Sulfonate (PFDS)	335-77-3
Perfluorodecanesulfonate Na-salt (PFDS-Na)	2806-15-7
Perfluorodecanesulfonate K-salt (PFDS-K)	2806-16-8
Perfluorodecanesulfonic acid ammonium salt (PFDS-NH <sub>4</sub> )	67906-42-7
Perfluorodecane sulfonate (anion)	126105-34-8
Perfluorodecane sulfonic anhydride (PFDSA)	51667-62-0
PFNS, its salts	
Perfluoro nonane sulfonic acid (PFNS)	68259-12-1
Sodium perfluoro-1-nonanesulfonate (PFNS-Na)	98789-57-2
ammonium nonadecafluorononanesulphonate (PFNS-NH <sub>4</sub> )	17202-41-4



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Perfluorononane sulfonate (anion)		
PFUNDS, its salts         749786-16-1           Perfluoroundecane sulfonic acid (PFUNDS)         749786-16-1           PFDODS, its salts         79780-39-5           Perfluoroundecanesulfonic acid (PFDODS)         79780-39-5           Sodium perfluoro-1-dodecanesulfonate (PFDODS-Na)         1260224-54-1           Potassium perfluorododecanesulfonate (PFDODS-K)         85187-17-3           Perfluorododecane sulfonate (anion)         343629-43-6           PFTDS, its salts         791563-89-8           Perfluorotridecane sulfonic acid (PFTrDS)         791563-89-8           Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)         174675-49-1           10:2 diPAP, its salts         10:2 diPAP, its salts           10:2 Fluortelomerphosphatediester (10:2 diPAP)         1895-26-7           Bis ((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H)-02         26-79-22-24-24-24-24           8:2 FTS, its salts         11,11,21,21-Perfluorodecanesulfonic acid (8:2 FTS)         39108-34-4           Potassium 1H, 1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-N)         39108-34-4           Potassium 1H, 1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-N)         27619-96-1           2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS-Na)         27619-96-1           2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS-Na)         27854-31-5           Tetrabutylphospho	PotassiuM perfluorononanesulfonate (PFNS-K)	29359-39-5
Perfluoroundecane sulfonic acid (PFUnDS)   749786-16-1     Perfluoroundecanesulfonate (anion)   441296-91-9     PFDoDS, its salts     Perfluorododecanesulfonic acid (PFDoDS)   79780-39-5     Sodium perfluoro-1-dodecanesulfonate (PFDoDS-Na)   1260224-54-1     Potassium perfluorododecanesulfonate (PFDoDS-K)   85187-17-3     Perfluorododecane sulfonic acid (PFTDS)   343629-43-6     PFTrDS, its salts     Perfluorotridecane sulfonic acid (PFTrDS)   791563-89-8     Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)   174675-49-1     10:2 diPAP, its salts     10:2 Fluortelomerphosphatediester (10:2 diPAP)   1895-26-7     Bis((perfluorodecy))ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H-102)   1895-26-7     Bis((perfluorodecy))ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H-102)   1895-26-7     Bis((perfluorodecy))ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H-102)   1895-26-7     Bis((perfluorodecy))ethyl) hydrogen phosphate (8:2 FTS-Na)   39108-34-4     H1, H2, H2, H2-Perfluorodecanes sulfonate (8:2 FTS-Na)   39108-34-4     H1, H2, H2, H2-Perfluorodencane sulfonate (8:2 FTS-Na)   27619-96-1     2-(Perfluoroocty))ethane-1-sulfonate (8:2 FTS(anion))   481071-78-7     Bis(10-14-14-14-14-14-14-14-14-14-14-14-14-14-		474511-07-4
Perfluoroundecanesulfonate (anion)         441296-91-9           PFDDDS, its salts         79780-39-5           Sodium perfluoro-1-dodecanesulfonate (PFDoDS-Na)         1260224-54-1           Potassium perfluorododecanesulfonate (PFDoDS-K)         85187-17-3           Perfluorododecane sulfonate (anion)         343629-43-6           PFTrDS, its salts         791563-89-8           Sodium perfluoro-1-tridecane sulfonic acid (PFTrDS)         791563-89-8           Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)         174675-49-1           10:2 diPAP, its salts         10:2 Fluortelomerphosphatediester (10:2 diPAP)         1895-26-7           Bis ((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H:O2)         57677-98-2           8:2 FTS, its salts         39108-34-4           Potassium 1H,1H,2H,2H-Perfluorodecane sulfonic acid (8:2 FTS)         39108-34-4           Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Nh)         438237-73-1           Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Nh)         27619-96-1           Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-Na)         27619-96-1           2-(Perfluoroctyl)ethnae-1-sulfonate (8:2 FTS(anion))         481071-78-7           8:2 FTCA, its salts         27854-31-5           2H,2H-Perfluorodecane Acid (8:2 FTCA)         27854-31-5           Ster July P	•	
PFDoDS, its salts         79780-39-5           Sodium perfluoroddecanesulfonic acid (PFDoDS-Na)         1260224-54-1           Potassium perfluoroddecanesulfonate (PFDoDS-K)         85187-17-3           Perfluoroddecane sulfonate (anion)         343629-43-6           PFTDS, its salts         Perfluorotridecane sulfonic acid (PFTrDS)         791563-89-8           Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)         174675-49-1           10:2 diPAP, its salts         10:2 fluortelomerphosphatediester (10:2 diPAP)         1895-26-7           Bis ((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H-102)         57677-98-2           8:2 FTS, its salts         39108-34-4           1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)         39108-34-4           Potassium 1H, 1H, 2H, 2H-Perfluorodencane sulfonate (8:2 FTS-K)         438237-73-1           Ammonium 1H, 1H, 2H, 2H-Perfluorodencane sulfonate (8:2 FTS-NH4)         149724-40-3           Sodium 1H, 1H, 2H, 2H-Perfluorodencane sulfonate (8:2 FTS-NB)         27619-96-1           2-(Perfluoroctyl)ethane-1-sulfonate (8:2 FTS(anion))         481071-78-7           8:2 FTCA, its salts         127854-31-5           Tetrabutylphosphonium 2H, 2H-Perfluorodecylodecane (8:2 FTCA-P(C4H9)4)         882489-14-7           8:2 diPAP, its salts         1362-4-1           Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)et		
Perfluorododecanesulfonic acid (PFDoDS)   1260224-54-1   1260224-1   1260	Perfluoroundecanesulfonate (anion)	441296-91-9
Sodium perfluoro-1-dodecanesulfonate (PFDoDS-Na)   1260224-54-1     Potassium perfluorododecane sulfonate (pFDoDS-K)   85187-17-3     Perfluorododecane sulfonate (anion)   343629-43-6     PFTrDS, its salts   Perfluorotridecane sulfonic acid (PFTrDS)   791563-89-8     Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)   174675-49-1     10:2 diPAP, its salts   1895-26-7     Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H1+O2)   1895-26-7     Bis (state	PFDoDS, its salts	
Potassium perfluorododecanesulfonate (PFDoDS-K)   85187-17-3	Perfluorododecanesulfonic acid (PFDoDS)	79780-39-5
Perfluorododecane sulfonate (anion)         343629-43-6           PFTDS, its salts         791563-89-8           Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)         174675-49-1           10:2 diPAP , its salts         174675-49-1           10:2 Fluortelomerphosphatediester (10:2 diPAP)         1895-26-7           Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H1102)         57677-98-2           Sey FTS, its salts         39108-34-4           Potassium 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS)         39108-34-4           Potassium 1H, 1H, 2H, 2H-Perfluorodencane sulfonate (8:2 FTS-N)         438237-73-1           Ammonium 1H, 1H, 2H, 2H-Perfluorodencane sulfonate (8:2 FTS-Na)         27619-96-1           2-(Perfluoroocty)ethane-1-sulfonate (8:2 FTS(anion))         481071-78-7           8:2 FTCA, its salts         27854-31-5           2H, 2H-Perfluorodecane Acid (8:2 FTCA)         27854-31-5           Tetrabutylphosphonium 2H, 2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4)         882489-14-7           8:2 diPAP, its salts         8:2 diPAP, its salts           Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen         678-41-1           phosphate (8:2 diPAP)         114519-85-6           Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate         57677-97-1           Bis(2-hydroxyethyl)a	Sodium perfluoro-1-dodecanesulfonate (PFDoDS-Na)	1260224-54-1
PFTrDS, its salts           Perfluorotridecane sulfonic acid (PFTrDS)         791563-89-8           Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)         174675-49-1           10:2 diPAP, its salts         1895-26-7           Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H1-O2)         57677-98-2           8:2 FTS, its salts         39108-34-4           H1,H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)         39108-34-4           Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K)         438237-73-1           Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4)         149724-40-3           Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NB4)         27619-96-1           2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))         481071-78-7           8:2 FTCA, its salts         27854-31-5           2H,2H-Perfluorodecane Acid (8:2 FTCA)         27854-31-5           8:2 diPAP, its salts         27854-31-5           Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen         678-41-1           phosphate (8:2 diPAP)         57677-97-1           Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)         114519-85-6           Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate         57677-97-1           8:2 Fluorotelomer phosphate diester ion (1-)	Potassium perfluorododecanesulfonate (PFDoDS-K)	85187-17-3
Perfluorotridecane sulfonic acid (PFTrDS)   791563-89-8   Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)   174675-49-1   10:2 diPAP , its salts   10:2 Fluortelomerphosphatediester (10:2 diPAP)   1895-26-7   Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H:10-2)   57677-98-2   57677-97-1   57678-03-2   57	Perfluorododecane sulfonate (anion)	343629-43-6
Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)   174675-49-1	PFTrDS, its salts	•
10:2 diPAP , its salts         1895-26-7           10:2 Fluortelomerphosphatediester (10:2 diPAP)         1895-26-7           Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H11O2)         57677-98-2           8:2 FTS, its salts         39108-34-4           Potassium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-K)         438237-73-1           Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4)         149724-40-3           Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na)         27619-96-1           2-(Perfluorocyl)ethane-1-sulfonate (8:2 FTS(anion))         481071-78-7           8:2 FTCA, its salts         21,2H-Perfluorodecane Acid (8:2 FTCA)         27854-31-5           Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4)         882489-14-7           8:2 diPAP, its salts         818(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen         678-41-1           phosphate (8:2 diPAP)         57677-97-1           Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate         57677-97-1           Bis(2-(perfluorooctyl)ethyl) phosphate ammonium salt (8:2 diPAP-NH4)         93776-20-6           8:2 Fluorotelomer phosphate diester ion (1-)         1411713-91-1           8:3 FTCA, its salts         24,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA-Li)         67304-23-8           8:2 monoPAP, its salts <t< td=""><td>Perfluorotridecane sulfonic acid (PFTrDS)</td><td>791563-89-8</td></t<>	Perfluorotridecane sulfonic acid (PFTrDS)	791563-89-8
10:2 diPAP , its salts         1895-26-7           10:2 Fluortelomerphosphatediester (10:2 diPAP)         1895-26-7           Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H11O2)         57677-98-2           8:2 FTS, its salts         39108-34-4           Potassium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-K)         438237-73-1           Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4)         149724-40-3           Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na)         27619-96-1           2-(Perfluorocyl)ethane-1-sulfonate (8:2 FTS(anion))         481071-78-7           8:2 FTCA, its salts         21,2H-Perfluorodecane Acid (8:2 FTCA)         27854-31-5           Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4)         882489-14-7           8:2 diPAP, its salts         818(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen         678-41-1           phosphate (8:2 diPAP)         57677-97-1           Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate         57677-97-1           Bis(2-(perfluorooctyl)ethyl) phosphate ammonium salt (8:2 diPAP-NH4)         93776-20-6           8:2 Fluorotelomer phosphate diester ion (1-)         1411713-91-1           8:3 FTCA, its salts         24,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA-Li)         67304-23-8           8:2 monoPAP, its salts <t< td=""><td>Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)</td><td>174675-49-1</td></t<>	Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na)	174675-49-1
10:2 Fluortelomerphosphatediester (10:2 diPAP)       1895-26-7         Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H1O2)       57677-98-2         8:2 FTS, its salts       39108-34-4         H1,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)       39108-34-4         Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K)       438237-73-1         Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4)       149724-40-3         Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na)       27619-96-1         2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))       481071-78-7         8:2 FTCA, its salts       27854-31-5         Etrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4)       882489-14-7         8:2 diPAP, its salts       82         Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)       678-41-1         Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)       114519-85-6         Bis(2-hydroxyethyl)ammonium bis((perfluoroctyl)ethyl) hydrogen phosphate       57677-97-1         Bis[2-(perfluoroctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH4)       93776-20-6         8:2 Fluorotelomer phosphate diester ion (1-)       1411713-91-1         8:3 FTCA, its salts       34598-33-9         Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA)       83310-58-1     <		
Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C4H11O2)  8:2 FTS, its salts  1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)  39108-34-4  Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K)  438237-73-1  Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4)  57619-96-1  2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))  8:2 FTCA, its salts  2H,2H-Perfluorodecane Acid (8:2 FTCA)  7:2 terrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4)  8:2 diPAP, its salts  Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen (678-41-1) phosphate (8:2 diPAP)  Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  57677-97-1  Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH4)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2	•	1895-26-7
C4H11O2)         8:2 FTS, its salts         1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)       39108-34-4         Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K)       438237-73-1         Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4)       149724-40-3         Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na)       27619-96-1         2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))       481071-78-7         8:2 FTCA, its salts         2H,2H-Perfluorodecane Acid (8:2 FTCA)       27854-31-5         Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4)       882489-14-7         8:2 diPAP, its salts         Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen       678-41-1         phosphate (8:2 diPAP)         Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)       114519-85-6         Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate       57677-97-1         Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH4)       93776-20-6         8:2 Fluorotelomer phosphate diester ion (1-)       1411713-91-1         8:3 FTCA, its salts         2H,2H,3H,3H,3H-Perfluoroundecano		
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)  Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K)  Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4)  Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4)  27619-96-1  2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))  8:2 FTCA, its salts  2H,2H-Perfluorodecane Acid (8:2 FTCA)  Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4)  832489-14-7  8:2 diPAP, its salts  Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)  Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  8:2 Fluorotelomer phosphate diester ion (1-)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2		
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)  Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K)  Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4)  Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH4)  27619-96-1  2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))  8:2 FTCA, its salts  2H,2H-Perfluorodecane Acid (8:2 FTCA)  Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4)  832489-14-7  8:2 diPAP, its salts  Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)  Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  8:2 Fluorotelomer phosphate diester ion (1-)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2		
Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K)  Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH <sub>4</sub> )  Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na)  27619-96-1  2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))  481071-78-7  8:2 FTCA, its salts  2H,2H-Perfluorodecane Acid (8:2 FTCA)  7etrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )  882489-14-7  8:2 diPAP, its salts  Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)  Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  57677-97-1  Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH <sub>4</sub> )  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2		39108-34-4
Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH <sub>4</sub> )  Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na)  27619-96-1  2-(Perfluoroctyl)ethane-1-sulfonate (8:2 FTS(anion))  8:2 FTCA, its salts  2H,2H-Perfluorodecane Acid (8:2 FTCA)  Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )  8:2 diPAP, its salts  Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)  Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH <sub>4</sub> )  8:2 Fluorotelomer phosphate diester ion (1-)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2		
Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na)  2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))  8:2 FTCA, its salts  2H,2H-Perfluorodecane Acid (8:2 FTCA)  Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4)  8:2 diPAP, its salts  Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)  Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  57677-97-1  Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH4)  8:2 Fluorotelomer phosphate diester ion (1-)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2		
2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))       481071-78-7         8:2 FTCA, its salts       27854-31-5         2H,2H-Perfluorodecane Acid (8:2 FTCA)       27854-31-5         Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4)       882489-14-7         8:2 diPAP, its salts       8is(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)       678-41-1         Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)       114519-85-6         Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate       57677-97-1         Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH4)       93776-20-6         8:2 Fluorotelomer phosphate diester ion (1-)       1411713-91-1         8:3 FTCA, its salts       2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)       34598-33-9         Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)       67304-23-8         8:2 monoPAP, its salts       8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)       57678-03-2	, , ,	
8:2 FTCA, its salts  2H,2H-Perfluorodecane Acid (8:2 FTCA)  27854-31-5  Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C4H9)4)  882489-14-7  8:2 diPAP, its salts  Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)  Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  57677-97-1  Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH4)  8:2 Fluorotelomer phosphate diester ion (1-)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)  2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2		
2H,2H-Perfluorodecane Acid (8:2 FTCA)  Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )  8:2 diPAP, its salts  Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)  Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH <sub>4</sub> )  8:2 Fluorotelomer phosphate diester ion (1-)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)  2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2		
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )  8:2 diPAP, its salts  Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)  Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate 57677-97-1  Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH <sub>4</sub> )  8:2 Fluorotelomer phosphate diester ion (1-)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)  2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2	,	27854-31-5
Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)  Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na) 114519-85-6  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate 57677-97-1  Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH4) 93776-20-6  8:2 Fluorotelomer phosphate diester ion (1-) 1411713-91-1  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA) 34598-33-9  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K) 83310-58-1  2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li) 67304-23-8  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP) 57678-03-2		
Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP)  Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  57677-97-1  Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH4)  8:2 Fluorotelomer phosphate diester ion (1-)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)  2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2		
phosphate (8:2 diPAP)  Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  57677-97-1  Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH4)  8:2 Fluorotelomer phosphate diester ion (1-)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)  2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2		678-41-1
Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2 diPAP-Na)  Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  57677-97-1  Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH4)  8:2 Fluorotelomer phosphate diester ion (1-)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)  2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2	•	
Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate  57677-97-1  Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH <sub>4</sub> )  93776-20-6  8:2 Fluorotelomer phosphate diester ion (1-)  1411713-91-1  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)  2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  67304-23-8  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2		114519-85-6
Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH <sub>4</sub> )  8:2 Fluorotelomer phosphate diester ion (1-)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)  2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  67304-23-8  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2		
8:2 Fluorotelomer phosphate diester ion (1-)  8:3 FTCA, its salts  2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)  2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  1411713-91-1  34598-33-9  67304-23-8  57678-03-2		
8:3 FTCA, its salts 2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA) 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K) 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li) 34598-33-9 83310-58-1 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li) 67304-23-8 8:2 monoPAP, its salts 8:2 Fluorotelomer phosphate monoester (8:2 monoPAP) 57678-03-2		
2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)  Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)  2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)  57678-03-2		
Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K) 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li) 8:2 monoPAP, its salts 8:2 Fluorotelomer phosphate monoester (8:2 monoPAP) 57678-03-2		34598-33-9
2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li) 67304-23-8  8:2 monoPAP, its salts  8:2 Fluorotelomer phosphate monoester (8:2 monoPAP) 57678-03-2		
8:2 monoPAP, its salts 8:2 Fluorotelomer phosphate monoester (8:2 monoPAP) 57678-03-2		
8:2 Fluorotelomer phosphate monoester (8:2 monoPAP) 57678-03-2		
		57678-03-2
	Sodium 1H,1H,2H,2H-perfluorodecyl phosphate (8:2 monoPAP-Na)	92678-93-8

Unless otherwise stated, the decision rule for conformity reporting is based on Binary Statement for Simple Acceptance Rule (w=0) stated in ILAC-G8:09/2019.



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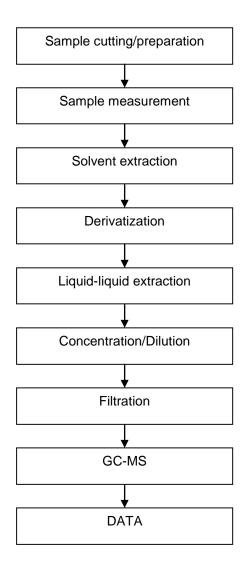
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# Test Report ATTACHMENTS

### **Organotin Testing Flow Chart**





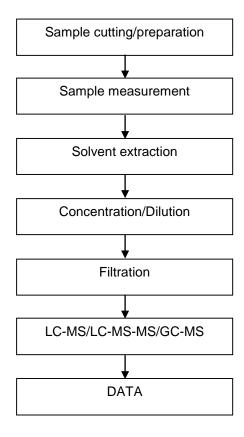
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# Test Report ATTACHMENTS

### PFASs/ PFOS/PFOA Testing Flow Chart





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**Test Report No.:** CANEC24015810601 **Date:** Jul 26, 2024 Page 9 of 9

Sample Photo:



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