

Report No. 48.400.23.0957.01-01/02
Dated 2023-09-28



SVHC Assessment Report

Client: Hengdian Group DMEGC Magnetics Co., LTD
Hengdian Industrial Zone, 322118 Dongyang City, Zhejiang Province P.R. China

Contact person: Wang Guoqiang

Test object: **The tested object(s) was(were) submitted and described by client as:**
Product: PV Modules
Model refer to the APPENDIX I

Purpose of examination: 1) According to customer's requirement, testing Perfluoroalkyl and polyfluoroalkyl substances (PFAS) content.

Test method: 1) In house method, solvent extraction and determination by LC/MS/MS, GC/MS and GC/MS/MS.

Test results: Refer to next page(s).

Remark: 1. The tested samples were identified and appointed by client.
2. The result relates only to the items tested.

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Disclaimer Measurement Uncertainty:

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Dated 2023-09-28

1 Order

1.1 Date of Order:

2023-09-07

1.2 Receipt Date of Test Sample:

2023-09-07

1.3 Date of Testing:

2023-09-07 – 2023-09-28

1.4 Location of Testing

TÜV SÜD Certification and Testing (China) Co., Ltd.
Shanghai Branch, SHA Chemical Lab.

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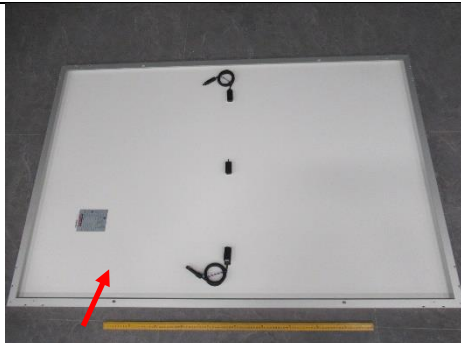
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2. Description of the Evaluated Product

Sample No	Description	Photograph
01	White plastic rear cover	
02	Blue solar cell	
03	Silvery label	
04	White label	

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Sample No	Description	Photograph
05	White glue	
06	White glue	
07	Black plastic plug enclosure	
08	Black plastic shell	

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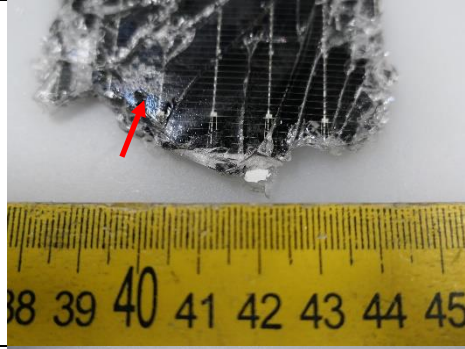
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Sample No	Description	Photograph
09	Black plastic cable sleeve	
10	Black plastic cable jacket	
11	Blue solar cell (16BB Topcon)	
12	Transparent plastic tape 3M	

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Sample No	Description	Photograph
13	Transparent plastic tape Shangrui	

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3. Test Data:

3.1 Perfluoroalkyl and polyfluoroalkyl substances (PFAS) content testing result

Tested Items	MDL	Unit	Result	
			01	02
Heptafluorobutyric acid(PFBA))	0.01	mg/kg	N.D.	N.D.
Perfluoropentane Acid (PFPA)	0.01	mg/kg	N.D.	N.D.
Perfluorohexane Acid (PFHxA)	0.01	mg/kg	N.D.	N.D.
7H-Dodecanefluoroheptane Acid (HPFHpA)	0.01	mg/kg	N.D.	N.D.
Perfluorobutane Sulfonate (PFBS)	0.01	mg/kg	N.D.	N.D.
Potassium nonafluoro-1-butanefluorobutanesulfonate(PFBS-K)*	0.01	mg/kg	N.D.	N.D.
Perfluoroheptane Acid (PFHpA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoic acid (PFOA)	0.01	mg/kg	N.D.	N.D.
Ammonium Pentadecafluorooctanoate (APFO)*	0.01	mg/kg	N.D.	N.D.
Sodium perfluorooctanoate(Na-PFO)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorooctanoate(K-PFO)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorooctanoate(Ag-PFO)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoyl fluoride(F-PFO)*	0.01	mg/kg	N.D.	N.D.
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate	0.01	mg/kg	N.D.	N.D.
Perfluorohexane Sulfonate (PFHxS)	0.01	mg/kg	N.D.	N.D.
Sodium Perfluorohexanesulfonate(PFHxS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorohexanesulfonate(PFHxS-K)*	0.01	mg/kg	N.D.	N.D.
Perfluorononanoic acid (PFNA)	0.01	mg/kg	N.D.	N.D.
Sodium perfluorononanoate(PFNA-Na)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoropelargonate(APFN)*	0.01	mg/kg	N.D.	N.D.
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	0.01	mg/kg	N.D.	N.D.
Perfluoroheptane Sulfonate (PFHpS)	0.01	mg/kg	N.D.	N.D.
Pentadecafluoro-1-heptanesulfinic acid sodium salt(PFHpS-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorodecanoic acid (PFDA)	0.01	mg/kg	N.D.	N.D.
Perfluorodecanoic acid,sodium salt(PFDA-Na)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorodecanoate(APFDA)*	0.01	mg/kg	N.D.	N.D.
2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctansulfonate (PFOS)	0.01	mg/kg	N.D.	N.D.
Perfluorooctane sulphonamide(PFOSA)	0.01	mg/kg	N.D.	N.D.
N-Methylheptafluorooctane-sulphonamide (N-Me-FOSA)	0.01	mg/kg	N.D.	N.D.
N-Ethylperfluorooctane-1-sulfonamide(N-Et-FOSA)	0.01	mg/kg	N.D.	N.D.
N-Me-FOSE alcohol (N-Me-FOSE)	0.01	mg/kg	N.D.	N.D.
N-ET-FOSE alcohol (N-ET-FOSE)	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			01	02
perfluoro-1-octanesulfonylfluoride (POSF/PFOSF)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorooctanesulphonate(PFOS-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorooctanesulfonate(PFOS-NH4)*	0.01	mg/kg	N.D.	N.D.
Didecyl(dimethyl)azanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctane-1-sulfonate(PFOS-DDA)*	0.01	mg/kg	N.D.	N.D.
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH)2)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorooctylsulfonate(PFOS-Li)*	0.01	mg/kg	N.D.	N.D.
Heptafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C2H5)4)*	0.01	mg/kg	N.D.	N.D.
Perfluoroundecanoic Acid (PFUnA)	0.01	mg/kg	N.D.	N.D.
Perfluorododecanoic Acid (PFDoA)	0.01	mg/kg	N.D.	N.D.
Perfluorodecane Sulfonate (PFDS)	0.01	mg/kg	N.D.	N.D.
Sodium Perfluoro-1-decanesulfonate(PFDS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium henicosafuorodecanesulphonate(PFDS-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium henicosafuorodecanesulphonate(PFDS-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorotridecanoic Acid (PFTrA)	0.01	mg/kg	N.D.	N.D.
Perfluorotetradecanoic Acid (PFTeA)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.01	mg/kg	N.D.	N.D.
Methyl perfluorooctanoate (Me-PFOA)	0.01	mg/kg	N.D.	N.D.
Ethyl perfluorooctanoate (Et-PFOA)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	0.2	mg/kg	N.D.	N.D.
Perfluorooctyl iodide (PFOI)	0.5	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro -1-dodecanol (10:2 FTOH)	0.2	mg/kg	N.D.	N.D.
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	0.01	mg/kg	N.D.	N.D.
PFBA-Na	0.01	mg/kg	N.D.	N.D.

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			01	02
PFBA-NH2	0.01	mg/kg	N.D.	N.D.
PFPA-Na	0.01	mg/kg	N.D.	N.D.
PFPA-K	0.01	mg/kg	N.D.	N.D.
PFPA-NH4	0.01	mg/kg	N.D.	N.D.
PFHxA-Na	0.01	mg/kg	N.D.	N.D.
PFHxA-K*	0.01	mg/kg	N.D.	N.D.
PFHxA-NH4	0.01	mg/kg	N.D.	N.D.
HPFHpA-Na	0.01	mg/kg	N.D.	N.D.
PFHpA-Na	0.01	mg/kg	N.D.	N.D.
PFHpA-K	0.01	mg/kg	N.D.	N.D.
PFHpA-NH2	0.01	mg/kg	N.D.	N.D.
PFBS-H2O	0.01	mg/kg	N.D.	N.D.
PFODA	0.01	mg/kg	N.D.	N.D.
PFHxDA	0.01	mg/kg	N.D.	N.D.
H2PFDA	0.01	mg/kg	N.D.	N.D.
PFHpS-K	0.01	mg/kg	N.D.	N.D.
6:2 FTMAC	0.2	mg/kg	N.D.	N.D.
N-MeFOSAA	0.01	mg/kg	N.D.	N.D.
N-EtFOSAA	0.01	mg/kg	N.D.	N.D.
PFSI	0.2	mg/kg	N.D.	N.D.
8:2 FTI	0.2	mg/kg	N.D.	N.D.
8:2diPAP	0.01	mg/kg	N.D.	N.D.
HFPO-DA	0.01	mg/kg	N.D.	N.D.
PFPS	0.01	mg/kg	N.D.	N.D.
PFPS-K	0.01	mg/kg	N.D.	N.D.
PFPS-Na	0.01	mg/kg	N.D.	N.D.
pentafluoropropionic acid(PFPrA)	0.01	mg/kg	N.D.	N.D.
sodium pentafluoropropionate	0.01	mg/kg	N.D.	N.D.
potassium pentafluoropropionate	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.01	mg/kg	N.D.	N.D.
magnesium bis[heptadecafluorooctanesulphonate]	0.01	mg/kg	N.D.	N.D.
1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, compd. with piperidine (1:1)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecansulfonsaure (10:2 FTS)	0.01	mg/kg	N.D.	N.D.
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations th	0.01	mg/kg	N.D.	N.D.
Ammonium Perfluorododecanoate (PFDoDA-NH4)	0.01	mg/kg	N.D.	N.D.
1,1,2,2-Tetrahydroperfluorododecyl methacrylate(10:2FTMA)	0.2	mg/kg	N.D.	N.D.
1,1,2,2-Tetrahydroperfluoro-1-tetradecanol(12:2FTOH)	0.2	mg/kg	N.D.	N.D.

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			01	02
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1H,1H,2H,2H-Perfluorotetradecyliodide(12:2FTI)	0.2	mg/kg	N.D.	N.D.
N-Methyl-perfluorohexane-1-sulfonamide (N-Me-FHxSA)	0.01	mg/kg	N.D.	N.D.
Perfluorohexanesulfonamide(PFHxSA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonate*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorooctanoate(PFOA-Li)*	0.01	mg/kg	N.D.	N.D.
Pentadecafluorooctanoic acid-pyridine (1/1)(PFOA-Pyridine)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoate N,N,N-trimethylmethanaminium*	0.01	mg/kg	N.D.	N.D.
Perfluorononanoate(PFNA-)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorononanoate(PFNA-Ag)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorononanoate(PFNA-K)*	0.01	mg/kg	N.D.	N.D.
Methanaminium perfluorononanoate(PFNA-CH ₃ NH ₂)*	0.01	mg/kg	N.D.	N.D.
Cyclohexanaminium perfluorononanoate(PFNA-C ₆ H ₁₁ NH ₂)*	0.01	mg/kg	N.D.	N.D.
N,N-Diethylethanaminium heptadecafluorononanoate*	0.01	mg/kg	N.D.	N.D.
Silver perfluorobutanoate(PFBA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorobutanoate(PFBA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorobutanoate(PFBA-NH ₃)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorobutyrate(PFBA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorobutanoate(PFBA-Li)*	0.01	mg/kg	N.D.	N.D.
Tetraethylazanium nonafluorobutane-1-sulfonate*	0.01	mg/kg	N.D.	N.D.
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate(PFBS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluorobutanesulfonate(PFBS-)*	0.01	mg/kg	N.D.	N.D.
Tetramethylammonium perfluorobutane sulfonate*	0.01	mg/kg	N.D.	N.D.
Sodium perfluorobutylsulfonate(PFBS-Na)*	0.01	mg/kg	N.D.	N.D.
Lithium nonafluorobutanesulfonate(PFBS-Li)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate (PFBS-(CH ₂ CH ₂ CH ₂ OH) ₂ NH)*	0.01	mg/kg	N.D.	N.D.
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide(PFBS-N-(2-hydroxyethyl)-N-methyl)*	0.01	mg/kg	N.D.	N.D.
Perfluoropentanoate(PFPA-)*	0.01	mg/kg	N.D.	N.D.
Silver perfluoropentanoate(PFPA-Ag)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluoropentanoate(PFPA-Li)*	0.01	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			01	02
Silver perfluorohexanoate(PFHxA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorohexanoate(PFHxA-)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorohexanoate(PFHxA-Li)*	0.01	mg/kg	N.D.	N.D.
Undecafluorohexanoic acid-piperazine (1:1)(PFHxA-Piperazine)*	0.01	mg/kg	N.D.	N.D.
Undecafluorohexanoic acid--hexan-1-amine (1/1)(PFHxA-Hexylamine)*	0.01	mg/kg	N.D.	N.D.
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate(HPFHpA-NH4)*	0.01	mg/kg	N.D.	N.D.
7-H-Perfluoroheptanoate(HPFHpA-)*	0.01	mg/kg	N.D.	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonate(6:2 FTSA-)*	0.01	mg/kg	N.D.	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1-octanesulfonic Acid Ammonium Salt(6:2 FTSA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorohexanesulfonate(PFHxS-)*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.	N.D.
Tetraethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorohexanesulfonate(PFHxS-Li)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorohexanesulfonate(PFHxS--NH4)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluorohexanesulfonate*	0.01	mg/kg	N.D.	N.D.
Nonadecafluorodecanoate(PFDA-)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorodecanoate(PFDA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorodecanoate(PFDA-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorodecanoate(PFDA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorodecanesulfonate(PFDS-)*	0.01	mg/kg	N.D.	N.D.
Perfluoroheptanesulfonate(PFHpS-)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoroheptanesulfonate(PFHpS-NH4)*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluoroheptane sulfonate*	0.01	mg/kg	N.D.	N.D.
Perfluoropentanesulfonate(PFPS-)*	0.01	mg/kg	N.D.	N.D.
Ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate(PFPS-NH4)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluoropentane sulfonate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluoropentane sulfonate(PFPS-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluoropropanoate(PFPrA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluoropropanoate(PFPrA-)*	0.01	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

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Tested Items	MDL	Unit	Result	
			01	02
Ammonium pentafluoropropionate(PFPrA-NH4)*	0.01	mg/kg	N.D.	N.D.
Potassium 1H,1H,2H,2H-perfluoroundecanoate(H4PFUnA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium 3-(perfluorooctyl)propanoate(H4PFUnA-Li)*	0.01	mg/kg	N.D.	N.D.
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonamide lithium salt (1:1)(PFOSA-Li)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonamide sodium salt (1:1)(PFOSA-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluoroundecanoate(PFUnA-)*	0.01	mg/kg	N.D.	N.D.
Sodium perfluoroundecanoate(PFUnA-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluoroundecanoate(PFUnA-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoroundecanoate(PFUnA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorododecanoate(PFDoA-)*	0.01	mg/kg	N.D.	N.D.
Sodium Perfluorododecanoate(PFDoA-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorotridecanoate(PFTrA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorotridecanoate(PFTrA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorotetradecanoate(PFTeA-)*	0.01	mg/kg	N.D.	N.D.
4:2 Fluorotelomer sulfonate(4:2 FTS-)*	0.01	mg/kg	N.D.	N.D.
Sodium 1H,1H,2H,2H-perfluoro-1-hexanesulfonate(4:2 FTS-Na)*	0.01	mg/kg	N.D.	N.D.
2-(Perfluorooctyl)ethane-1-sulfonate(8:2FTS-)*	0.01	mg/kg	N.D.	N.D.
8:2 Fluorotelomer sulfonate ammonium salt(8:2FTS-NH4)*	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium(8:2FTS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium 2-(perfluorooctyl)ethane-1-sulfonate(8:2FTS-K)*	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium(10:2 FTS-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctadecanoate anion(PFODA-)*	0.01	mg/kg	N.D.	N.D.
Hentriacontafluorohexadecanoate anion(PFHxDA-)*	0.01	mg/kg	N.D.	N.D.
N-(Heptadecafluorooctylsulfonyl)-N-methylglycine potassium salt(N-MeFOSAA-K)	0.01	mg/kg	N.D.	N.D.
2-(N-Methylperfluorooctanesulfonamido)acetate(N-MeFOSAA-)	0.01	mg/kg	N.D.	N.D.
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-NH4)	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			01	02
2-(N-Ethyl-perfluorooctanesulfonamido)acetate(N-EtFOSAA-)	0.01	mg/kg	N.D.	N.D.
Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-Na)	0.01	mg/kg	N.D.	N.D.
potassium N-ethyl-N-((heptadecafluorooctyl)sulphonyl)glycinate(N-EtFOSAA-K)	0.01	mg/kg	N.D.	N.D.
Triethylaminium perfluoro-2-propoxypropanoate(HFPO-DA-(C2H5)3N)	0.01	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			03	04
Heptafluorobutyric acid(PFBA))	0.01	mg/kg	N.D.	N.D.
Perfluoropentane Acid (PFPA)	0.01	mg/kg	N.D.	N.D.
Perfluorohexane Acid (PFHxA)	0.01	mg/kg	N.D.	N.D.
7H-Dodecanefluoroheptane Acid (HPFHpA)	0.01	mg/kg	N.D.	N.D.
Perfluorobutane Sulfonate (PFBS)	0.01	mg/kg	N.D.	N.D.
Potassium nonafluoro-1-butanefluorobutanesulfonate(PFBS-K)*	0.01	mg/kg	N.D.	N.D.
Perfluoroheptane Acid (PFHpA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoic acid (PFOA)	0.01	mg/kg	N.D.	N.D.
Ammonium Pentadecafluorooctanoate (APFO)*	0.01	mg/kg	N.D.	N.D.
Sodium perfluorooctanoate(Na-PFO)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorooctanoate(K-PFO)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorooctanoate(Ag-PFO)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoyl fluoride(F-PFO)*	0.01	mg/kg	N.D.	N.D.
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate	0.01	mg/kg	N.D.	N.D.
Perfluorohexane Sulfonate (PFHxS)	0.01	mg/kg	N.D.	N.D.
Sodium Perfluorohexanesulfonate(PFHxS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorohexanesulfonate(PFHxS-K)*	0.01	mg/kg	N.D.	N.D.
Perfluorononanoic acid (PFNA)	0.01	mg/kg	N.D.	N.D.
Sodium perfluorononanoate(PFNA-Na)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoropelargonate(APFN)*	0.01	mg/kg	N.D.	N.D.
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	0.01	mg/kg	N.D.	N.D.
Perfluoroheptane Sulfonate (PFHpS)	0.01	mg/kg	N.D.	N.D.
Pentadecafluoro-1-heptanesulfinic acid sodium salt(PFHpS-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorodecanoic acid (PFDA)	0.01	mg/kg	N.D.	N.D.
Perfluorodecanoic acid,sodium salt(PFDA-Na)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorodecanoate(APFDA)*	0.01	mg/kg	N.D.	N.D.
2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctansulfonate (PFOS)	0.01	mg/kg	N.D.	N.D.
Perfluorooctane sulphonamide(PFOSA)	0.01	mg/kg	N.D.	N.D.
N-Methylheptadecafluorooctane-sulphonamide (N-Me-FOSA)	0.01	mg/kg	N.D.	N.D.
N-Ethylperfluorooctane-1-sulfonamide(N-Et-FOSA)	0.01	mg/kg	N.D.	N.D.
N-Me-FOSE alcohol (N-Me-FOSE)	0.01	mg/kg	N.D.	N.D.
N-ET-FOSE alcohol (N-ET-FOSE)	0.01	mg/kg	N.D.	N.D.
perfluoro-1-octanesulfonyl fluoride (POSF/PFOF)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorooctanesulphonate(PFOS-K)*	0.01	mg/kg	N.D.	N.D.

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Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			03	04
Ammonium perfluorooctanesulfonate(PFOS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Didecyl(dimethyl)azanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate(PFOS-DDA)*	0.01	mg/kg	N.D.	N.D.
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH) ₂)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorooctylsulfonate(PFOS-Li)*	0.01	mg/kg	N.D.	N.D.
Heptadecafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C ₂ H ₅) ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluoroundecanoic Acid (PFUnA)	0.01	mg/kg	N.D.	N.D.
Perfluorododecanoic Acid (PFDoA)	0.01	mg/kg	N.D.	N.D.
Perfluorodecane Sulfonate (PFDS)	0.01	mg/kg	N.D.	N.D.
Sodium Perfluoro-1-decanesulfonate(PFDS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium henicosafuorodecanesulphonate(PFDS-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium henicosafuorodecanesulphonate(PFDS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluorotridecanoic Acid (PFTrA)	0.01	mg/kg	N.D.	N.D.
Perfluorotetradecanoic Acid (PFTeA)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.01	mg/kg	N.D.	N.D.
Methyl perfluorooctanoate (Me-PFOA)	0.01	mg/kg	N.D.	N.D.
Ethyl perfluorooctanoate (Et-PFOA)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	0.2	mg/kg	N.D.	N.D.
Perfluorooctyl iodide (PFOI)	0.5	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro -1-dodecanol (10:2 FTOH)	0.2	mg/kg	N.D.	N.D.
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	0.01	mg/kg	N.D.	N.D.
PFBA-Na	0.01	mg/kg	N.D.	N.D.
PFBA-NH ₂	0.01	mg/kg	N.D.	N.D.
PFPA-Na	0.01	mg/kg	N.D.	N.D.
PFPA-K	0.01	mg/kg	N.D.	N.D.
PFPA-NH ₄	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			03	04
PFHxA-Na	0.01	mg/kg	N.D.	N.D.
PFHxA-K*	0.01	mg/kg	N.D.	N.D.
PFHxA-NH4	0.01	mg/kg	N.D.	N.D.
HPFHpA-Na	0.01	mg/kg	N.D.	N.D.
PFHpA-Na	0.01	mg/kg	N.D.	N.D.
PFHpA-K	0.01	mg/kg	N.D.	N.D.
PFHpA-NH2	0.01	mg/kg	N.D.	N.D.
PFBS-H2O	0.01	mg/kg	N.D.	N.D.
PFODA	0.01	mg/kg	N.D.	N.D.
PFHxDA	0.01	mg/kg	N.D.	N.D.
H2PFDA	0.01	mg/kg	N.D.	N.D.
PFHpS-K	0.01	mg/kg	N.D.	N.D.
6:2 FTMAC	0.2	mg/kg	N.D.	N.D.
N-MeFOSAA	0.01	mg/kg	N.D.	N.D.
N-EtFOSAA	0.01	mg/kg	N.D.	N.D.
PFSI	0.2	mg/kg	N.D.	N.D.
8:2 FTI	0.2	mg/kg	N.D.	N.D.
8:2diPAP	0.01	mg/kg	N.D.	N.D.
HFPO-DA	0.01	mg/kg	N.D.	N.D.
PFPS	0.01	mg/kg	N.D.	N.D.
PFPS-K	0.01	mg/kg	N.D.	N.D.
PFPS-Na	0.01	mg/kg	N.D.	N.D.
pentafluoropropionic acid(PFPrA)	0.01	mg/kg	N.D.	N.D.
sodium pentafluoropropionate	0.01	mg/kg	N.D.	N.D.
potassium pentafluoropropionate	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.01	mg/kg	N.D.	N.D.
magnesium bis[heptadecafluorooctanesulphonate]	0.01	mg/kg	N.D.	N.D.
1- Octanesulfonicacid,1,1,2,2,3,3,4,4,5,5,6,6,7 ,7,8,8,8- heptadecafluoro-,compd.withpiperidine(1:1)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluordodecansulfonsaure (10:2 FTS)	0.01	mg/kg	N.D.	N.D.
2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations th	0.01	mg/kg	N.D.	N.D.
Ammonium Perfluorododecanoate (PFDODA-NH4)	0.01	mg/kg	N.D.	N.D.
1,1,2,2-Tetrahydroperfluorododecyl methacrylate(10:2FTMA)	0.2	mg/kg	N.D.	N.D.
1,1,2,2-Tetrahydroperfluoro-1- tetradecanol(12:2FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecyl iodide(10:2FTI)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H- Perfluorotetradecyl iodide(12:2FTI)	0.2	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			03	04
N-Methyl-perfluorohexane-1-sulfonamide (N-Me-FHxSA)	0.01	mg/kg	N.D.	N.D.
Perfluorohexanesulfonamide(PFHxSA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonate*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorooctanoate(PFOA-Li)*	0.01	mg/kg	N.D.	N.D.
Pentadecafluorooctanoic acid-pyridine (1/1)(PFOA-Pyridine)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoate N,N,N-trimethylmethanaminium*	0.01	mg/kg	N.D.	N.D.
Perfluorononanoate(PFNA-)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorononanoate(PFNA-Ag)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorononanoate(PFNA-K)*	0.01	mg/kg	N.D.	N.D.
Methanaminium perfluorononanoate(PFNA-CH ₃ NH ₂)*	0.01	mg/kg	N.D.	N.D.
Cyclohexanaminium perfluorononanoate(PFNA-C ₆ H ₁₁ NH ₂)*	0.01	mg/kg	N.D.	N.D.
N,N-Diethylethanaminium heptadecafluorononanoate*	0.01	mg/kg	N.D.	N.D.
Silver perfluorobutanoate(PFBA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorobutanoate(PFBA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorobutanoate(PFBA-NH ₃)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorobutyrate(PFBA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorobutanoate(PFBA-Li)*	0.01	mg/kg	N.D.	N.D.
Tetraethylazanium nonafluorobutane-1-sulfonate*	0.01	mg/kg	N.D.	N.D.
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate(PFBS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluorobutanesulfonate(PFBS-)*	0.01	mg/kg	N.D.	N.D.
Tetramethylammonium perfluorobutane sulfonate*	0.01	mg/kg	N.D.	N.D.
Sodium perfluorobutylsulfonate(PFBS-Na)*	0.01	mg/kg	N.D.	N.D.
Lithium nonafluorobutanesulfonate(PFBS-Li)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate (PFBS-(CH ₂ CH ₂ CH ₂ OH) ₂ NH)*	0.01	mg/kg	N.D.	N.D.
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide(PFBS-N-(2-hydroxyethyl)-N-methyl)*	0.01	mg/kg	N.D.	N.D.
Perfluoropentanoate(PFPA-)*	0.01	mg/kg	N.D.	N.D.
Silver perfluoropentanoate(PFPA-Ag)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluoropentanoate(PFPA-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorohexanoate(PFHxA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorohexanoate(PFHxA-)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorohexanoate(PFHxA-Li)*	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			03	04
Undecafluorohexanoic acid-piperazine (1:1)(PFHxA-Piperazine)*	0.01	mg/kg	N.D.	N.D.
Undecafluorohexanoic acid--hexan-1-amine (1/1)(PFHxA-Hexylamine)*	0.01	mg/kg	N.D.	N.D.
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate(HPFHpA-NH4)*	0.01	mg/kg	N.D.	N.D.
7-H-Perfluoroheptanoate(HPFHpA-)*	0.01	mg/kg	N.D.	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonate(6:2 FTSA-)*	0.01	mg/kg	N.D.	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1-octanesulfonic Acid Ammonium Salt(6:2 FTSA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorohexanesulfonate(PFHxS-)*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.	N.D.
Tetraethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorohexanesulfonate(PFHxS-Li)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorohexanesulfonate(PFHxS--NH4)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluorohexanesulfonate*	0.01	mg/kg	N.D.	N.D.
Nonadecafluorodecanoate(PFDA-)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorodecanoate(PFDA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorodecanoate(PFDA-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorodecanoate(PFDA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorodecanesulfonate(PFDS-)*	0.01	mg/kg	N.D.	N.D.
Perfluoroheptanesulfonate(PFHpS-)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoroheptanesulfonate(PFHpS-NH4)*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluoroheptane sulfonate*	0.01	mg/kg	N.D.	N.D.
Perfluoropentanesulfonate(PFPS-)*	0.01	mg/kg	N.D.	N.D.
Ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate(PFPS-NH4)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluoropentane sulfonate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluoropentane sulfonate(PFPS-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluoropropanoate(PFPrA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluoropropanoate(PFPrA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium pentafluoropropionate(PFPrA-NH4)*	0.01	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			03	04
Potassium 1H,1H,2H,2H-perfluoroundecanoate(H4PFUnA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium 3-(perfluorooctyl)propanoate(H4PFUnA-Li)*	0.01	mg/kg	N.D.	N.D.
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonamide lithium salt (1:1)(PFOSA-Li)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonamide sodium salt (1:1)(PFOSA-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluoroundecanoate(PFUnA-)*	0.01	mg/kg	N.D.	N.D.
Sodium perfluoroundecanoate(PFUnA-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluoroundecanoate(PFUnA-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoroundecanoate(PFUnA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorododecanoate(PFDoA-)*	0.01	mg/kg	N.D.	N.D.
Sodium Perfluorododecanoate(PFDoA-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorotridecanoate(PFTrA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorotridecanoate(PFTrA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorotetradecanoate(PFTeA-)*	0.01	mg/kg	N.D.	N.D.
4:2 Fluorotelomer sulfonate(4:2 FTS-)*	0.01	mg/kg	N.D.	N.D.
Sodium 1H,1H,2H,2H-perfluoro-1-hexanesulfonate(4:2 FTS-Na)*	0.01	mg/kg	N.D.	N.D.
2-(Perfluorooctyl)ethane-1-sulfonate(8:2FTS-)*	0.01	mg/kg	N.D.	N.D.
8:2 Fluorotelomer sulfonate ammonium salt(8:2FTS-NH4)*	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium(8:2FTS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium 2-(perfluorooctyl)ethane-1-sulfonate(8:2FTS-K)*	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium(10:2 FTS-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctadecanoate anion(PFODA-)*	0.01	mg/kg	N.D.	N.D.
Hentriacontafluorohexadecanoate anion(PFHxDA-)*	0.01	mg/kg	N.D.	N.D.
N-(Heptadecafluorooctylsulfonyl)-N-methylglycine potassium salt(N-MeFOSAA-K)	0.01	mg/kg	N.D.	N.D.
2-(N-Methylperfluorooctanesulfonamido)acetate(N-MeFOSAA-)	0.01	mg/kg	N.D.	N.D.
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-NH4)	0.01	mg/kg	N.D.	N.D.
2-(N-Ethyl-perfluorooctanesulfonamido)acetate(N-EtFOSAA-)	0.01	mg/kg	N.D.	N.D.

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Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			03	04
Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-Na)	0.01	mg/kg	N.D.	N.D.
potassium N-ethyl-N-((heptadecafluorooctyl)sulphonyl)glycinate(N-EtFOSAA-K)	0.01	mg/kg	N.D.	N.D.
Triethylaminium perfluoro-2-propoxypropanoate(HFPO-DA-(C ₂ H ₅) ₃ N)	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			05	06
Heptafluorobutyric acid(PFBA))	0.01	mg/kg	N.D.	N.D.
Perfluoropentane Acid (PFPA)	0.01	mg/kg	N.D.	N.D.
Perfluorohexane Acid (PFHxA)	0.01	mg/kg	N.D.	N.D.
7H-Dodecanefluoroheptane Acid (HPFHpA)	0.01	mg/kg	N.D.	N.D.
Perfluorobutane Sulfonate (PFBS)	0.01	mg/kg	N.D.	N.D.
Potassium nonafluoro-1-butanefluorobutanesulfonate(PFBS-K)*	0.01	mg/kg	N.D.	N.D.
Perfluoroheptane Acid (PFHpA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoic acid (PFOA)	0.01	mg/kg	N.D.	N.D.
Ammonium Pentadecafluorooctanoate (APFO)*	0.01	mg/kg	N.D.	N.D.
Sodium perfluorooctanoate(Na-PFO)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorooctanoate(K-PFO)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorooctanoate(Ag-PFO)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoyl fluoride(F-PFO)*	0.01	mg/kg	N.D.	N.D.
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate	0.01	mg/kg	N.D.	N.D.
Perfluorohexane Sulfonate (PFHxS)	0.01	mg/kg	N.D.	N.D.
Sodium Perfluorohexanesulfonate(PFHxS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorohexanesulfonate(PFHxS-K)*	0.01	mg/kg	N.D.	N.D.
Perfluorononanoic acid (PFNA)	0.01	mg/kg	N.D.	N.D.
Sodium perfluorononanoate(PFNA-Na)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoropelargonate(APFN)*	0.01	mg/kg	N.D.	N.D.
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	0.01	mg/kg	N.D.	N.D.
Perfluoroheptane Sulfonate (PFHpS)	0.01	mg/kg	N.D.	N.D.
Pentadecafluoro-1-heptanesulfinic acid sodium salt(PFHpS-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorodecanoic acid (PFDA)	0.01	mg/kg	N.D.	N.D.
Perfluorodecanoic acid,sodium salt(PFDA-Na)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorodecanoate(APFDA)*	0.01	mg/kg	N.D.	N.D.
2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctansulfonate (PFOS)	0.01	mg/kg	N.D.	N.D.
Perfluorooctane sulphonamide(PFOSA)	0.01	mg/kg	N.D.	N.D.
N-Methylheptadecafluorooctane-sulphonamide (N-Me-FOSA)	0.01	mg/kg	N.D.	N.D.
N-Ethylperfluorooctane-1-sulfonamide(N-Et-FOSA)	0.01	mg/kg	N.D.	N.D.
N-Me-FOSE alcohol (N-Me-FOSE)	0.01	mg/kg	N.D.	N.D.
N-ET-FOSE alcohol (N-ET-FOSE)	0.01	mg/kg	N.D.	N.D.
perfluoro-1-octanesulfonyl fluoride (POSF/PFOSF)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorooctanesulphonate(PFOS-K)*	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			05	06
Ammonium perfluorooctanesulfonate(PFOS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Didecyl(dimethyl)azanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate(PFOS-DDA)*	0.01	mg/kg	N.D.	N.D.
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH) ₂)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorooctylsulfonate(PFOS-Li)*	0.01	mg/kg	N.D.	N.D.
Heptadecafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C ₂ H ₅) ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluoroundecanoic Acid (PFUnA)	0.01	mg/kg	N.D.	N.D.
Perfluorododecanoic Acid (PFDoA)	0.01	mg/kg	N.D.	N.D.
Perfluorodecane Sulfonate (PFDS)	0.01	mg/kg	N.D.	N.D.
Sodium Perfluoro-1-decanesulfonate(PFDS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium henicosafuorodecanesulphonate(PFDS-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium henicosafuorodecanesulphonate(PFDS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluorotridecanoic Acid (PFTrA)	0.01	mg/kg	N.D.	N.D.
Perfluorotetradecanoic Acid (PFTeA)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.01	mg/kg	N.D.	N.D.
Methyl perfluorooctanoate (Me-PFOA)	0.01	mg/kg	N.D.	N.D.
Ethyl perfluorooctanoate (Et-PFOA)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	0.2	mg/kg	N.D.	N.D.
Perfluorooctyl iodide (PFOI)	0.5	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro -1-dodecanol (10:2 FTOH)	0.2	mg/kg	N.D.	N.D.
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	0.01	mg/kg	N.D.	N.D.
PFBA-Na	0.01	mg/kg	N.D.	N.D.
PFBA-NH ₂	0.01	mg/kg	N.D.	N.D.
PFPA-Na	0.01	mg/kg	N.D.	N.D.
PFPA-K	0.01	mg/kg	N.D.	N.D.
PFPA-NH ₄	0.01	mg/kg	N.D.	N.D.

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Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			05	06
PFHxA-Na	0.01	mg/kg	N.D.	N.D.
PFHxA-K*	0.01	mg/kg	N.D.	N.D.
PFHxA-NH4	0.01	mg/kg	N.D.	N.D.
HPFHpA-Na	0.01	mg/kg	N.D.	N.D.
PFHpA-Na	0.01	mg/kg	N.D.	N.D.
PFHpA-K	0.01	mg/kg	N.D.	N.D.
PFHpA-NH2	0.01	mg/kg	N.D.	N.D.
PFBS-H2O	0.01	mg/kg	N.D.	N.D.
PFODA	0.01	mg/kg	N.D.	N.D.
PFHxDA	0.01	mg/kg	N.D.	N.D.
H2PFDA	0.01	mg/kg	N.D.	N.D.
PFHpS-K	0.01	mg/kg	N.D.	N.D.
6:2 FTMAC	0.2	mg/kg	N.D.	N.D.
N-MeFOSAA	0.01	mg/kg	N.D.	N.D.
N-EtFOSAA	0.01	mg/kg	N.D.	N.D.
PFSI	0.2	mg/kg	N.D.	N.D.
8:2 FTI	0.2	mg/kg	N.D.	N.D.
8:2diPAP	0.01	mg/kg	N.D.	N.D.
HFPO-DA	0.01	mg/kg	N.D.	N.D.
PFPS	0.01	mg/kg	N.D.	N.D.
PFPS-K	0.01	mg/kg	N.D.	N.D.
PFPS-Na	0.01	mg/kg	N.D.	N.D.
pentafluoropropionic acid(PFPrA)	0.01	mg/kg	N.D.	N.D.
sodium pentafluoropropionate	0.01	mg/kg	N.D.	N.D.
potassium pentafluoropropionate	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.01	mg/kg	N.D.	N.D.
magnesium bis[heptadecafluorooctanesulphonate]	0.01	mg/kg	N.D.	N.D.
1- Octanesulfonicacid,1,1,2,2,3,3,4,4,5,5,6,6,7 ,7,8,8,8- heptadecafluoro-,compd.withpiperidine(1:1)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluordodecansulfonsaure (10:2 FTS)	0.01	mg/kg	N.D.	N.D.
2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations th	0.01	mg/kg	N.D.	N.D.
Ammonium Perfluorododecanoate (PFDODA-NH4)	0.01	mg/kg	N.D.	N.D.
1,1,2,2-Tetrahydroperfluorododecyl methacrylate(10:2FTMA)	0.2	mg/kg	N.D.	N.D.
1,1,2,2-Tetrahydroperfluoro-1- tetradecanol(12:2FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecyl iodide(10:2FTI)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H- Perfluorotetradecyl iodide(12:2FTI)	0.2	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			05	06
N-Methyl-perfluorohexane-1-sulfonamide (N-Me-FHxSA)	0.01	mg/kg	N.D.	N.D.
Perfluorohexanesulfonamide(PFHxSA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonate*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorooctanoate(PFOA-Li)*	0.01	mg/kg	N.D.	N.D.
Pentadecafluorooctanoic acid-pyridine (1/1)(PFOA-Pyridine)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoate N,N,N-trimethylmethanaminium*	0.01	mg/kg	N.D.	N.D.
Perfluorononanoate(PFNA-)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorononanoate(PFNA-Ag)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorononanoate(PFNA-K)*	0.01	mg/kg	N.D.	N.D.
Methanaminium perfluorononanoate(PFNA-CH ₃ NH ₂)*	0.01	mg/kg	N.D.	N.D.
Cyclohexanaminium perfluorononanoate(PFNA-C ₆ H ₁₁ NH ₂)*	0.01	mg/kg	N.D.	N.D.
N,N-Diethylethanaminium heptadecafluorononanoate*	0.01	mg/kg	N.D.	N.D.
Silver perfluorobutanoate(PFBA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorobutanoate(PFBA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorobutanoate(PFBA-NH ₃)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorobutyrate(PFBA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorobutanoate(PFBA-Li)*	0.01	mg/kg	N.D.	N.D.
Tetraethylazanium nonafluorobutane-1-sulfonate*	0.01	mg/kg	N.D.	N.D.
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate(PFBS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluorobutanesulfonate(PFBS-)*	0.01	mg/kg	N.D.	N.D.
Tetramethylammonium perfluorobutane sulfonate*	0.01	mg/kg	N.D.	N.D.
Sodium perfluorobutylsulfonate(PFBS-Na)*	0.01	mg/kg	N.D.	N.D.
Lithium nonafluorobutanesulfonate(PFBS-Li)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate (PFBS-(CH ₂ CH ₂ CH ₂ OH) ₂ NH)*	0.01	mg/kg	N.D.	N.D.
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide(PFBS-N-(2-hydroxyethyl)-N-methyl)*	0.01	mg/kg	N.D.	N.D.
Perfluoropentanoate(PFPA-)*	0.01	mg/kg	N.D.	N.D.
Silver perfluoropentanoate(PFPA-Ag)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluoropentanoate(PFPA-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorohexanoate(PFHxA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorohexanoate(PFHxA-)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorohexanoate(PFHxA-Li)*	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			05	06
Undecafluorohexanoic acid-piperazine (1:1)(PFHxA-Piperazine)*	0.01	mg/kg	N.D.	N.D.
Undecafluorohexanoic acid--hexan-1-amine (1/1)(PFHxA-Hexylamine)*	0.01	mg/kg	N.D.	N.D.
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate(HPFHpA-NH4)*	0.01	mg/kg	N.D.	N.D.
7-H-Perfluoroheptanoate(HPFHpA-)*	0.01	mg/kg	N.D.	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonate(6:2 FTSA-)*	0.01	mg/kg	N.D.	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1-octanesulfonic Acid Ammonium Salt(6:2 FTSA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorohexanesulfonate(PFHxS-)*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.	N.D.
Tetraethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorohexanesulfonate(PFHxS-Li)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorohexanesulfonate(PFHxS--NH4)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluorohexanesulfonate*	0.01	mg/kg	N.D.	N.D.
Nonadecafluorodecanoate(PFDA-)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorodecanoate(PFDA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorodecanoate(PFDA-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorodecanoate(PFDA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorodecanesulfonate(PFDS-)*	0.01	mg/kg	N.D.	N.D.
Perfluoroheptanesulfonate(PFHpS-)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoroheptanesulfonate(PFHpS-NH4)*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluoroheptane sulfonate*	0.01	mg/kg	N.D.	N.D.
Perfluoropentanesulfonate(PFPS-)*	0.01	mg/kg	N.D.	N.D.
Ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate(PFPS-NH4)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluoropentane sulfonate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluoropentane sulfonate(PFPS-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluoropropanoate(PFPrA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluoropropanoate(PFPrA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium pentafluoropropionate(PFPrA-NH4)*	0.01	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			05	06
Potassium 1H,1H,2H,2H-perfluoroundecanoate(H4PFUnA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium 3-(perfluorooctyl)propanoate(H4PFUnA-Li)*	0.01	mg/kg	N.D.	N.D.
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonamide lithium salt (1:1)(PFOSA-Li)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonamide sodium salt (1:1)(PFOSA-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluoroundecanoate(PFUnA-)*	0.01	mg/kg	N.D.	N.D.
Sodium perfluoroundecanoate(PFUnA-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluoroundecanoate(PFUnA-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoroundecanoate(PFUnA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorododecanoate(PFDoA-)*	0.01	mg/kg	N.D.	N.D.
Sodium Perfluorododecanoate(PFDoA-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorotridecanoate(PFTrA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorotridecanoate(PFTrA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorotetradecanoate(PFTeA-)*	0.01	mg/kg	N.D.	N.D.
4:2 Fluorotelomer sulfonate(4:2 FTS-)*	0.01	mg/kg	N.D.	N.D.
Sodium 1H,1H,2H,2H-perfluoro-1-hexanesulfonate(4:2 FTS-Na)*	0.01	mg/kg	N.D.	N.D.
2-(Perfluorooctyl)ethane-1-sulfonate(8:2FTS-)*	0.01	mg/kg	N.D.	N.D.
8:2 Fluorotelomer sulfonate ammonium salt(8:2FTS-NH4)*	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium(8:2FTS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium 2-(perfluorooctyl)ethane-1-sulfonate(8:2FTS-K)*	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium(10:2 FTS-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctadecanoate anion(PFODA-)*	0.01	mg/kg	N.D.	N.D.
Hentriacontafluorohexadecanoate anion(PFHxDA-)*	0.01	mg/kg	N.D.	N.D.
N-(Heptadecafluorooctylsulfonyl)-N-methylglycine potassium salt(N-MeFOSAA-K)	0.01	mg/kg	N.D.	N.D.
2-(N-Methylperfluorooctanesulfonamido)acetate(N-MeFOSAA-)	0.01	mg/kg	N.D.	N.D.
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-NH4)	0.01	mg/kg	N.D.	N.D.
2-(N-Ethyl-perfluorooctanesulfonamido)acetate(N-EtFOSAA-)	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			05	06
Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-Na)	0.01	mg/kg	N.D.	N.D.
potassium N-ethyl-N-((heptadecafluorooctyl)sulphonyl)glycinate(N-EtFOSAA-K)	0.01	mg/kg	N.D.	N.D.
Triethylaminium perfluoro-2-propoxypropanoate(HFPO-DA-(C ₂ H ₅) ₃ N)	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			07	08
Heptafluorobutyric acid(PFBA))	0.01	mg/kg	N.D.	N.D.
Perfluoropentane Acid (PFPA)	0.01	mg/kg	N.D.	N.D.
Perfluorohexane Acid (PFHxA)	0.01	mg/kg	N.D.	N.D.
7H-Dodecanefluoroheptane Acid (HPFHpA)	0.01	mg/kg	N.D.	N.D.
Perfluorobutane Sulfonate (PFBS)	0.01	mg/kg	N.D.	N.D.
Potassium nonafluoro-1-butanefluorobutanesulfonate(PFBS-K)*	0.01	mg/kg	N.D.	N.D.
Perfluoroheptane Acid (PFHpA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoic acid (PFOA)	0.01	mg/kg	N.D.	N.D.
Ammonium Pentadecafluorooctanoate (APFO)*	0.01	mg/kg	N.D.	N.D.
Sodium perfluorooctanoate(Na-PFO)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorooctanoate(K-PFO)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorooctanoate(Ag-PFO)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoyl fluoride(F-PFO)*	0.01	mg/kg	N.D.	N.D.
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate	0.01	mg/kg	N.D.	N.D.
Perfluorohexane Sulfonate (PFHxS)	0.01	mg/kg	N.D.	N.D.
Sodium Perfluorohexanesulfonate(PFHxS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorohexanesulfonate(PFHxS-K)*	0.01	mg/kg	N.D.	N.D.
Perfluorononanoic acid (PFNA)	0.01	mg/kg	N.D.	N.D.
Sodium perfluorononanoate(PFNA-Na)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoropelargonate(APFN)*	0.01	mg/kg	N.D.	N.D.
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	0.01	mg/kg	N.D.	N.D.
Perfluoroheptane Sulfonate (PFHpS)	0.01	mg/kg	N.D.	N.D.
Pentadecafluoro-1-heptanesulfinic acid sodium salt(PFHpS-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorodecanoic acid (PFDA)	0.01	mg/kg	N.D.	N.D.
Perfluorodecanoic acid,sodium salt(PFDA-Na)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorodecanoate(APFDA)*	0.01	mg/kg	N.D.	N.D.
2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctansulfonate (PFOS)	0.01	mg/kg	N.D.	N.D.
Perfluorooctane sulphonamide(PFOSA)	0.01	mg/kg	N.D.	N.D.
N-Methylheptadecafluorooctane-sulphonamide (N-Me-FOSA)	0.01	mg/kg	N.D.	N.D.
N-Ethylperfluorooctane-1-sulfonamide(N-Et-FOSA)	0.01	mg/kg	N.D.	N.D.
N-Me-FOSE alcohol (N-Me-FOSE)	0.01	mg/kg	N.D.	N.D.
N-ET-FOSE alcohol (N-ET-FOSE)	0.01	mg/kg	N.D.	N.D.
perfluoro-1-octanesulfonyl fluoride (POSF/PFOSF)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorooctanesulphonate(PFOS-K)*	0.01	mg/kg	N.D.	N.D.

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Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			07	08
Ammonium perfluorooctanesulfonate(PFOS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Didecyl(dimethyl)azanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctane-1-sulfonate(PFOS-DDA)*	0.01	mg/kg	N.D.	N.D.
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH) ₂)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorooctylsulfonate(PFOS-Li)*	0.01	mg/kg	N.D.	N.D.
Heptafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C ₂ H ₅) ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluoroundecanoic Acid (PFUnA)	0.01	mg/kg	N.D.	N.D.
Perfluorododecanoic Acid (PFDoA)	0.01	mg/kg	N.D.	N.D.
Perfluorodecane Sulfonate (PFDS)	0.01	mg/kg	N.D.	N.D.
Sodium Perfluoro-1-decanesulfonate(PFDS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium henicosafuorodecanesulphonate(PFDS-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium henicosafuorodecanesulphonate(PFDS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluorotridecanoic Acid (PFTrA)	0.01	mg/kg	N.D.	N.D.
Perfluorotetradecanoic Acid (PFTeA)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.01	mg/kg	N.D.	N.D.
Methyl perfluorooctanoate (Me-PFOA)	0.01	mg/kg	N.D.	N.D.
Ethyl perfluorooctanoate (Et-PFOA)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	0.2	mg/kg	N.D.	N.D.
Perfluorooctyl iodide (PFOI)	0.5	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro -1-dodecanol (10:2 FTOH)	0.2	mg/kg	N.D.	N.D.
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	0.01	mg/kg	N.D.	N.D.
PFBA-Na	0.01	mg/kg	N.D.	N.D.
PFBA-NH ₂	0.01	mg/kg	N.D.	N.D.
PFPA-Na	0.01	mg/kg	N.D.	N.D.
PFPA-K	0.01	mg/kg	N.D.	N.D.
PFPA-NH ₄	0.01	mg/kg	N.D.	N.D.

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Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			07	08
PFHxA-Na	0.01	mg/kg	N.D.	N.D.
PFHxA-K*	0.01	mg/kg	N.D.	N.D.
PFHxA-NH4	0.01	mg/kg	N.D.	N.D.
HPFHpA-Na	0.01	mg/kg	N.D.	N.D.
PFHpA-Na	0.01	mg/kg	N.D.	N.D.
PFHpA-K	0.01	mg/kg	N.D.	N.D.
PFHpA-NH2	0.01	mg/kg	N.D.	N.D.
PFBS-H2O	0.01	mg/kg	N.D.	N.D.
PFODA	0.01	mg/kg	N.D.	N.D.
PFHxDA	0.01	mg/kg	N.D.	N.D.
H2PFDA	0.01	mg/kg	N.D.	N.D.
PFHpS-K	0.01	mg/kg	N.D.	N.D.
6:2 FTMAC	0.2	mg/kg	N.D.	N.D.
N-MeFOSAA	0.01	mg/kg	N.D.	N.D.
N-EtFOSAA	0.01	mg/kg	N.D.	N.D.
PFSI	0.2	mg/kg	N.D.	N.D.
8:2 FTI	0.2	mg/kg	N.D.	N.D.
8:2diPAP	0.01	mg/kg	N.D.	N.D.
HFPO-DA	0.01	mg/kg	N.D.	N.D.
PFPS	0.01	mg/kg	N.D.	N.D.
PFPS-K	0.01	mg/kg	N.D.	N.D.
PFPS-Na	0.01	mg/kg	N.D.	N.D.
pentafluoropropionic acid(PFPrA)	0.01	mg/kg	N.D.	N.D.
sodium pentafluoropropionate	0.01	mg/kg	N.D.	N.D.
potassium pentafluoropropionate	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.01	mg/kg	N.D.	N.D.
magnesium bis[heptadecafluorooctanesulphonate]	0.01	mg/kg	N.D.	N.D.
1- Octanesulfonicacid,1,1,2,2,3,3,4,4,5,5,6,6,7 ,7,8,8,8- heptadecafluoro-,compd.withpiperidine(1:1)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluordodecansulfonsaure (10:2 FTS)	0.01	mg/kg	N.D.	N.D.
2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations th	0.01	mg/kg	N.D.	N.D.
Ammonium Perfluorododecanoate (PFDODA-NH4)	0.01	mg/kg	N.D.	N.D.
1,1,2,2-Tetrahydroperfluorododecyl methacrylate(10:2FTMA)	0.2	mg/kg	N.D.	N.D.
1,1,2,2-Tetrahydroperfluoro-1- tetradecanol(12:2FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecyl iodide(10:2FTI)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H- Perfluorotetradecyl iodide(12:2FTI)	0.2	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			07	08
N-Methyl-perfluorohexane-1-sulfonamide (N-Me-FHxSA)	0.01	mg/kg	N.D.	N.D.
Perfluorohexanesulfonamide(PFHxSA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonate*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorooctanoate(PFOA-Li)*	0.01	mg/kg	N.D.	N.D.
Pentadecafluorooctanoic acid-pyridine (1/1)(PFOA-Pyridine)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoate N,N,N-trimethylmethanaminium*	0.01	mg/kg	N.D.	N.D.
Perfluorononanoate(PFNA-)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorononanoate(PFNA-Ag)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorononanoate(PFNA-K)*	0.01	mg/kg	N.D.	N.D.
Methanaminium perfluorononanoate(PFNA-CH ₃ NH ₂)*	0.01	mg/kg	N.D.	N.D.
Cyclohexanaminium perfluorononanoate(PFNA-C ₆ H ₁₁ NH ₂)*	0.01	mg/kg	N.D.	N.D.
N,N-Diethylethanaminium heptadecafluorononanoate*	0.01	mg/kg	N.D.	N.D.
Silver perfluorobutanoate(PFBA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorobutanoate(PFBA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorobutanoate(PFBA-NH ₃)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorobutyrate(PFBA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorobutanoate(PFBA-Li)*	0.01	mg/kg	N.D.	N.D.
Tetraethylazanium nonafluorobutane-1-sulfonate*	0.01	mg/kg	N.D.	N.D.
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate(PFBS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluorobutanesulfonate(PFBS-)*	0.01	mg/kg	N.D.	N.D.
Tetramethylammonium perfluorobutane sulfonate*	0.01	mg/kg	N.D.	N.D.
Sodium perfluorobutylsulfonate(PFBS-Na)*	0.01	mg/kg	N.D.	N.D.
Lithium nonafluorobutanesulfonate(PFBS-Li)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate (PFBS-(CH ₂ CH ₂ CH ₂ OH) ₂ NH)*	0.01	mg/kg	N.D.	N.D.
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide(PFBS-N-(2-hydroxyethyl)-N-methyl)*	0.01	mg/kg	N.D.	N.D.
Perfluoropentanoate(PFPA-)*	0.01	mg/kg	N.D.	N.D.
Silver perfluoropentanoate(PFPA-Ag)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluoropentanoate(PFPA-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorohexanoate(PFHxA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorohexanoate(PFHxA-)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorohexanoate(PFHxA-Li)*	0.01	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			07	08
Undecafluorohexanoic acid-piperazine (1:1)(PFHxA-Piperazine)*	0.01	mg/kg	N.D.	N.D.
Undecafluorohexanoic acid--hexan-1-amine (1/1)(PFHxA-Hexylamine)*	0.01	mg/kg	N.D.	N.D.
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate(HPFHpA-NH4)*	0.01	mg/kg	N.D.	N.D.
7-H-Perfluoroheptanoate(HPFHpA-)*	0.01	mg/kg	N.D.	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonate(6:2 FTSA-)*	0.01	mg/kg	N.D.	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1-octanesulfonic Acid Ammonium Salt(6:2 FTSA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorohexanesulfonate(PFHxS-)*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.	N.D.
Tetraethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorohexanesulfonate(PFHxS-Li)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorohexanesulfonate(PFHxS--NH4)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluorohexanesulfonate*	0.01	mg/kg	N.D.	N.D.
Nonadecafluorodecanoate(PFDA-)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorodecanoate(PFDA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorodecanoate(PFDA-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorodecanoate(PFDA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorodecanesulfonate(PFDS-)*	0.01	mg/kg	N.D.	N.D.
Perfluoroheptanesulfonate(PFHpS-)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoroheptanesulfonate(PFHpS-NH4)*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluoroheptane sulfonate*	0.01	mg/kg	N.D.	N.D.
Perfluoropentanesulfonate(PFPS-)*	0.01	mg/kg	N.D.	N.D.
Ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate(PFPS-NH4)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluoropentane sulfonate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluoropentane sulfonate(PFPS-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluoropropanoate(PFPrA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluoropropanoate(PFPrA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium pentafluoropropionate(PFPrA-NH4)*	0.01	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			07	08
Potassium 1H,1H,2H,2H-perfluoroundecanoate(H4PFUnA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium 3-(perfluorooctyl)propanoate(H4PFUnA-Li)*	0.01	mg/kg	N.D.	N.D.
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonamide lithium salt (1:1)(PFOSA-Li)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonamide sodium salt (1:1)(PFOSA-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluoroundecanoate(PFUnA-)*	0.01	mg/kg	N.D.	N.D.
Sodium perfluoroundecanoate(PFUnA-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluoroundecanoate(PFUnA-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoroundecanoate(PFUnA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorododecanoate(PFDoA-)*	0.01	mg/kg	N.D.	N.D.
Sodium Perfluorododecanoate(PFDoA-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorotridecanoate(PFTrA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorotridecanoate(PFTrA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorotetradecanoate(PFTeA-)*	0.01	mg/kg	N.D.	N.D.
4:2 Fluorotelomer sulfonate(4:2 FTS-)*	0.01	mg/kg	N.D.	N.D.
Sodium 1H,1H,2H,2H-perfluoro-1-hexanesulfonate(4:2 FTS-Na)*	0.01	mg/kg	N.D.	N.D.
2-(Perfluorooctyl)ethane-1-sulfonate(8:2FTS-)*	0.01	mg/kg	N.D.	N.D.
8:2 Fluorotelomer sulfonate ammonium salt(8:2FTS-NH4)*	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium(8:2FTS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium 2-(perfluorooctyl)ethane-1-sulfonate(8:2FTS-K)*	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium(10:2 FTS-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctadecanoate anion(PFODA-)*	0.01	mg/kg	N.D.	N.D.
Hentriacontafluorohexadecanoate anion(PFHxDA-)*	0.01	mg/kg	N.D.	N.D.
N-(Heptadecafluorooctylsulfonyl)-N-methylglycine potassium salt(N-MeFOSAA-K)	0.01	mg/kg	N.D.	N.D.
2-(N-Methylperfluorooctanesulfonamido)acetate(N-MeFOSAA-)	0.01	mg/kg	N.D.	N.D.
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-NH4)	0.01	mg/kg	N.D.	N.D.
2-(N-Ethyl-perfluorooctanesulfonamido)acetate(N-EtFOSAA-)	0.01	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			07	08
Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-Na)	0.01	mg/kg	N.D.	N.D.
potassium N-ethyl-N-((heptadecafluorooctyl)sulphonyl)glycinate(N-EtFOSAA-K)	0.01	mg/kg	N.D.	N.D.
Triethylaminium perfluoro-2-propoxypropanoate(HFPO-DA-(C ₂ H ₅) ₃ N)	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			09	10
Heptafluorobutyric acid(PFBA))	0.01	mg/kg	N.D.	N.D.
Perfluoropentane Acid (PFPA)	0.01	mg/kg	N.D.	N.D.
Perfluorohexane Acid (PFHxA)	0.01	mg/kg	N.D.	N.D.
7H-Dodecanefluoroheptane Acid (HPFHpA)	0.01	mg/kg	N.D.	N.D.
Perfluorobutane Sulfonate (PFBS)	0.01	mg/kg	N.D.	N.D.
Potassium nonafluoro-1-butanefluorobutanesulfonate(PFBS-K)*	0.01	mg/kg	N.D.	N.D.
Perfluoroheptane Acid (PFHpA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoic acid (PFOA)	0.01	mg/kg	N.D.	N.D.
Ammonium Pentadecafluorooctanoate (APFO)*	0.01	mg/kg	N.D.	N.D.
Sodium perfluorooctanoate(Na-PFO)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorooctanoate(K-PFO)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorooctanoate(Ag-PFO)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoyl fluoride(F-PFO)*	0.01	mg/kg	N.D.	N.D.
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate	0.01	mg/kg	N.D.	N.D.
Perfluorohexane Sulfonate (PFHxS)	0.01	mg/kg	N.D.	N.D.
Sodium Perfluorohexanesulfonate(PFHxS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorohexanesulfonate(PFHxS-K)*	0.01	mg/kg	N.D.	N.D.
Perfluorononanoic acid (PFNA)	0.01	mg/kg	N.D.	N.D.
Sodium perfluorononanoate(PFNA-Na)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoropelargonate(APFN)*	0.01	mg/kg	N.D.	N.D.
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	0.01	mg/kg	N.D.	N.D.
Perfluoroheptane Sulfonate (PFHpS)	0.01	mg/kg	N.D.	N.D.
Pentadecafluoro-1-heptanesulfinic acid sodium salt(PFHpS-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorodecanoic acid (PFDA)	0.01	mg/kg	N.D.	N.D.
Perfluorodecanoic acid,sodium salt(PFDA-Na)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorodecanoate(APFDA)*	0.01	mg/kg	N.D.	N.D.
2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctansulfonate (PFOS)	0.01	mg/kg	N.D.	N.D.
Perfluorooctane sulphonamide(PFOSA)	0.01	mg/kg	N.D.	N.D.
N-Methylheptadecafluorooctane-sulphonamide (N-Me-FOSA)	0.01	mg/kg	N.D.	N.D.
N-Ethylperfluorooctane-1-sulfonamide(N-Et-FOSA)	0.01	mg/kg	N.D.	N.D.
N-Me-FOSE alcohol (N-Me-FOSE)	0.01	mg/kg	N.D.	N.D.
N-ET-FOSE alcohol (N-ET-FOSE)	0.01	mg/kg	N.D.	N.D.
perfluoro-1-octanesulfonyl fluoride (POSF/PFOF)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorooctanesulphonate(PFOS-K)*	0.01	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			09	10
Ammonium perfluorooctanesulfonate(PFOS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Didecyl(dimethyl)azanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate(PFOS-DDA)*	0.01	mg/kg	N.D.	N.D.
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH) ₂)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorooctylsulfonate(PFOS-Li)*	0.01	mg/kg	N.D.	N.D.
Heptadecafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C ₂ H ₅) ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluoroundecanoic Acid (PFUnA)	0.01	mg/kg	N.D.	N.D.
Perfluorododecanoic Acid (PFDoA)	0.01	mg/kg	N.D.	N.D.
Perfluorodecane Sulfonate (PFDS)	0.01	mg/kg	N.D.	N.D.
Sodium Perfluoro-1-decanesulfonate(PFDS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium henicosafuorodecanesulphonate(PFDS-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium henicosafuorodecanesulphonate(PFDS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluorotridecanoic Acid (PFTrA)	0.01	mg/kg	N.D.	N.D.
Perfluorotetradecanoic Acid (PFTeA)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.01	mg/kg	N.D.	N.D.
Methyl perfluorooctanoate (Me-PFOA)	0.01	mg/kg	N.D.	N.D.
Ethyl perfluorooctanoate (Et-PFOA)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	0.2	mg/kg	N.D.	N.D.
Perfluorooctyl iodide (PFOI)	0.5	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro -1-dodecanol (10:2 FTOH)	0.2	mg/kg	N.D.	N.D.
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	0.01	mg/kg	N.D.	N.D.
PFBA-Na	0.01	mg/kg	N.D.	N.D.
PFBA-NH ₂	0.01	mg/kg	N.D.	N.D.
PFPA-Na	0.01	mg/kg	N.D.	N.D.
PFPA-K	0.01	mg/kg	N.D.	N.D.
PFPA-NH ₄	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			09	10
PFHxA-Na	0.01	mg/kg	N.D.	N.D.
PFHxA-K*	0.01	mg/kg	N.D.	N.D.
PFHxA-NH4	0.01	mg/kg	N.D.	N.D.
HPFHpA-Na	0.01	mg/kg	N.D.	N.D.
PFHpA-Na	0.01	mg/kg	N.D.	N.D.
PFHpA-K	0.01	mg/kg	N.D.	N.D.
PFHpA-NH2	0.01	mg/kg	N.D.	N.D.
PFBS-H2O	0.01	mg/kg	N.D.	N.D.
PFODA	0.01	mg/kg	N.D.	N.D.
PFHxDA	0.01	mg/kg	N.D.	N.D.
H2PFDA	0.01	mg/kg	N.D.	N.D.
PFHpS-K	0.01	mg/kg	N.D.	N.D.
6:2 FTMAC	0.2	mg/kg	N.D.	N.D.
N-MeFOSAA	0.01	mg/kg	N.D.	N.D.
N-EtFOSAA	0.01	mg/kg	N.D.	N.D.
PFSI	0.2	mg/kg	N.D.	N.D.
8:2 FTI	0.2	mg/kg	N.D.	N.D.
8:2diPAP	0.01	mg/kg	N.D.	N.D.
HFPO-DA	0.01	mg/kg	N.D.	N.D.
PFPS	0.01	mg/kg	N.D.	N.D.
PFPS-K	0.01	mg/kg	N.D.	N.D.
PFPS-Na	0.01	mg/kg	N.D.	N.D.
pentafluoropropionic acid(PFPrA)	0.01	mg/kg	N.D.	N.D.
sodium pentafluoropropionate	0.01	mg/kg	N.D.	N.D.
potassium pentafluoropropionate	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.01	mg/kg	N.D.	N.D.
magnesium bis[heptadecafluorooctanesulphonate]	0.01	mg/kg	N.D.	N.D.
1- Octanesulfonicacid,1,1,2,2,3,3,4,4,5,5,6,6,7 ,7,8,8,8- heptadecafluoro-,compd.withpiperidine(1:1)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluordodecansulfonsaure (10:2 FTS)	0.01	mg/kg	N.D.	N.D.
2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations th	0.01	mg/kg	N.D.	N.D.
Ammonium Perfluorododecanoate (PFDODA-NH4)	0.01	mg/kg	N.D.	N.D.
1,1,2,2-Tetrahydroperfluorododecyl methacrylate(10:2FTMA)	0.2	mg/kg	N.D.	N.D.
1,1,2,2-Tetrahydroperfluoro-1- tetradecanol(12:2FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecyl iodide(10:2FTI)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H- Perfluorotetradecyl iodide(12:2FTI)	0.2	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			09	10
N-Methyl-perfluorohexane-1-sulfonamide (N-Me-FHxSA)	0.01	mg/kg	N.D.	N.D.
Perfluorohexanesulfonamide(PFHxSA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonate*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorooctanoate(PFOA-Li)*	0.01	mg/kg	N.D.	N.D.
Pentadecafluorooctanoic acid-pyridine (1/1)(PFOA-Pyridine)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoate N,N,N-trimethylmethanaminium*	0.01	mg/kg	N.D.	N.D.
Perfluorononanoate(PFNA-)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorononanoate(PFNA-Ag)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorononanoate(PFNA-K)*	0.01	mg/kg	N.D.	N.D.
Methanaminium perfluorononanoate(PFNA-CH ₃ NH ₂)*	0.01	mg/kg	N.D.	N.D.
Cyclohexanaminium perfluorononanoate(PFNA-C ₆ H ₁₁ NH ₂)*	0.01	mg/kg	N.D.	N.D.
N,N-Diethylethanaminium heptadecafluorononanoate*	0.01	mg/kg	N.D.	N.D.
Silver perfluorobutanoate(PFBA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorobutanoate(PFBA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorobutanoate(PFBA-NH ₃)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorobutyrate(PFBA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorobutanoate(PFBA-Li)*	0.01	mg/kg	N.D.	N.D.
Tetraethylazanium nonafluorobutane-1-sulfonate*	0.01	mg/kg	N.D.	N.D.
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate(PFBS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluorobutanesulfonate(PFBS-)*	0.01	mg/kg	N.D.	N.D.
Tetramethylammonium perfluorobutane sulfonate*	0.01	mg/kg	N.D.	N.D.
Sodium perfluorobutylsulfonate(PFBS-Na)*	0.01	mg/kg	N.D.	N.D.
Lithium nonafluorobutanesulfonate(PFBS-Li)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate (PFBS-(CH ₂ CH ₂ CH ₂ OH) ₂ NH)*	0.01	mg/kg	N.D.	N.D.
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide(PFBS-N-(2-hydroxyethyl)-N-methyl)*	0.01	mg/kg	N.D.	N.D.
Perfluoropentanoate(PFPA-)*	0.01	mg/kg	N.D.	N.D.
Silver perfluoropentanoate(PFPA-Ag)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluoropentanoate(PFPA-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorohexanoate(PFHxA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorohexanoate(PFHxA-)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorohexanoate(PFHxA-Li)*	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			09	10
Undecafluorohexanoic acid-piperazine (1:1)(PFHxA-Piperazine)*	0.01	mg/kg	N.D.	N.D.
Undecafluorohexanoic acid--hexan-1-amine (1/1)(PFHxA-Hexylamine)*	0.01	mg/kg	N.D.	N.D.
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate(HPFHpA-NH4)*	0.01	mg/kg	N.D.	N.D.
7-H-Perfluoroheptanoate(HPFHpA-)*	0.01	mg/kg	N.D.	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonate(6:2 FTSA-)*	0.01	mg/kg	N.D.	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1-octanesulfonic Acid Ammonium Salt(6:2 FTSA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorohexanesulfonate(PFHxS-)*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.	N.D.
Tetraethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorohexanesulfonate(PFHxS-Li)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorohexanesulfonate(PFHxS--NH4)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluorohexanesulfonate*	0.01	mg/kg	N.D.	N.D.
Nonadecafluorodecanoate(PFDA-)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorodecanoate(PFDA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorodecanoate(PFDA-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorodecanoate(PFDA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorodecanesulfonate(PFDS-)*	0.01	mg/kg	N.D.	N.D.
Perfluoroheptanesulfonate(PFHpS-)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoroheptanesulfonate(PFHpS-NH4)*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluoroheptane sulfonate*	0.01	mg/kg	N.D.	N.D.
Perfluoropentanesulfonate(PFPS-)*	0.01	mg/kg	N.D.	N.D.
Ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate(PFPS-NH4)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluoropentane sulfonate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluoropentane sulfonate(PFPS-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluoropropanoate(PFPrA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluoropropanoate(PFPrA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium pentafluoropropionate(PFPrA-NH4)*	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			09	10
Potassium 1H,1H,2H,2H-perfluoroundecanoate(H4PFUnA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium 3-(perfluorooctyl)propanoate(H4PFUnA-Li)*	0.01	mg/kg	N.D.	N.D.
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonamide lithium salt (1:1)(PFOSA-Li)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonamide sodium salt (1:1)(PFOSA-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluoroundecanoate(PFUnA-)*	0.01	mg/kg	N.D.	N.D.
Sodium perfluoroundecanoate(PFUnA-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluoroundecanoate(PFUnA-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoroundecanoate(PFUnA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorododecanoate(PFDoA-)*	0.01	mg/kg	N.D.	N.D.
Sodium Perfluorododecanoate(PFDoA-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorotridecanoate(PFTrA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorotridecanoate(PFTrA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorotetradecanoate(PFTeA-)*	0.01	mg/kg	N.D.	N.D.
4:2 Fluorotelomer sulfonate(4:2 FTS-)*	0.01	mg/kg	N.D.	N.D.
Sodium 1H,1H,2H,2H-perfluoro-1-hexanesulfonate(4:2 FTS-Na)*	0.01	mg/kg	N.D.	N.D.
2-(Perfluorooctyl)ethane-1-sulfonate(8:2FTS-)*	0.01	mg/kg	N.D.	N.D.
8:2 Fluorotelomer sulfonate ammonium salt(8:2FTS-NH4)*	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium(8:2FTS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium 2-(perfluorooctyl)ethane-1-sulfonate(8:2FTS-K)*	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium(10:2 FTS-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctadecanoate anion(PFODA-)*	0.01	mg/kg	N.D.	N.D.
Hentriacontafluorohexadecanoate anion(PFHxDA-)*	0.01	mg/kg	N.D.	N.D.
N-(Heptadecafluorooctylsulfonyl)-N-methylglycine potassium salt(N-MeFOSAA-K)	0.01	mg/kg	N.D.	N.D.
2-(N-Methylperfluorooctanesulfonamido)acetate(N-MeFOSAA-)	0.01	mg/kg	N.D.	N.D.
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-NH4)	0.01	mg/kg	N.D.	N.D.
2-(N-Ethyl-perfluorooctanesulfonamido)acetate(N-EtFOSAA-)	0.01	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			09	10
Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-Na)	0.01	mg/kg	N.D.	N.D.
potassium N-ethyl-N-((heptadecafluorooctyl)sulphonyl)glycinate(N-EtFOSAA-K)	0.01	mg/kg	N.D.	N.D.
Triethylaminium perfluoro-2-propoxypropanoate(HFPO-DA-(C ₂ H ₅) ₃ N)	0.01	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			11	12
Heptafluorobutyric acid(PFBA))	0.01	mg/kg	N.D.	N.D.
Perfluoropentane Acid (PFPA)	0.01	mg/kg	N.D.	N.D.
Perfluorohexane Acid (PFHxA)	0.01	mg/kg	N.D.	N.D.
7H-Dodecanefluoroheptane Acid (HPFHpA)	0.01	mg/kg	N.D.	N.D.
Perfluorobutane Sulfonate (PFBS)	0.01	mg/kg	N.D.	N.D.
Potassium nonafluoro-1-butanefluorobutanesulfonate(PFBS-K)*	0.01	mg/kg	N.D.	N.D.
Perfluoroheptane Acid (PFHpA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoic acid (PFOA)	0.01	mg/kg	N.D.	N.D.
Ammonium Pentadecafluorooctanoate (APFO)*	0.01	mg/kg	N.D.	N.D.
Sodium perfluorooctanoate(Na-PFO)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorooctanoate(K-PFO)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorooctanoate(Ag-PFO)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoyl fluoride(F-PFO)*	0.01	mg/kg	N.D.	N.D.
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate	0.01	mg/kg	N.D.	N.D.
Perfluorohexane Sulfonate (PFHxS)	0.01	mg/kg	N.D.	N.D.
Sodium Perfluorohexanesulfonate(PFHxS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorohexanesulfonate(PFHxS-K)*	0.01	mg/kg	N.D.	N.D.
Perfluorononanoic acid (PFNA)	0.01	mg/kg	N.D.	N.D.
Sodium perfluorononanoate(PFNA-Na)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoropelargonate(APFN)*	0.01	mg/kg	N.D.	N.D.
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	0.01	mg/kg	N.D.	N.D.
Perfluoroheptane Sulfonate (PFHpS)	0.01	mg/kg	N.D.	N.D.
Pentadecafluoro-1-heptanesulfinic acid sodium salt(PFHpS-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorodecanoic acid (PFDA)	0.01	mg/kg	N.D.	N.D.
Perfluorodecanoic acid,sodium salt(PFDA-Na)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorodecanoate(APFDA)*	0.01	mg/kg	N.D.	N.D.
2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctansulfonate (PFOS)	0.01	mg/kg	N.D.	N.D.
Perfluorooctane sulphonamide(PFOSA)	0.01	mg/kg	N.D.	N.D.
N-Methylheptadecafluorooctane-sulphonamide (N-Me-FOSA)	0.01	mg/kg	N.D.	N.D.
N-Ethylperfluorooctane-1-sulfonamide(N-Et-FOSA)	0.01	mg/kg	N.D.	N.D.
N-Me-FOSE alcohol (N-Me-FOSE)	0.01	mg/kg	N.D.	N.D.
N-ET-FOSE alcohol (N-ET-FOSE)	0.01	mg/kg	N.D.	N.D.
perfluoro-1-octanesulfonyl fluoride (POSF/PFOF)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorooctanesulphonate(PFOS-K)*	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			11	12
Ammonium perfluorooctanesulfonate(PFOS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Didecyl(dimethyl)azanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate(PFOS-DDA)*	0.01	mg/kg	N.D.	N.D.
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH) ₂)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorooctylsulfonate(PFOS-Li)*	0.01	mg/kg	N.D.	N.D.
Heptadecafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C ₂ H ₅) ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluoroundecanoic Acid (PFUnA)	0.01	mg/kg	N.D.	N.D.
Perfluorododecanoic Acid (PFDoA)	0.01	mg/kg	N.D.	N.D.
Perfluorodecane Sulfonate (PFDS)	0.01	mg/kg	N.D.	N.D.
Sodium Perfluoro-1-decanesulfonate(PFDS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium henicosafuorodecanesulphonate(PFDS-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium henicosafuorodecanesulphonate(PFDS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluorotridecanoic Acid (PFTrA)	0.01	mg/kg	N.D.	N.D.
Perfluorotetradecanoic Acid (PFTeA)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.01	mg/kg	N.D.	N.D.
Methyl perfluorooctanoate (Me-PFOA)	0.01	mg/kg	N.D.	N.D.
Ethyl perfluorooctanoate (Et-PFOA)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	0.2	mg/kg	N.D.	N.D.
Perfluorooctyl iodide (PFOI)	0.5	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluoro -1-dodecanol (10:2 FTOH)	0.2	mg/kg	N.D.	N.D.
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	0.01	mg/kg	N.D.	N.D.
PFBA-Na	0.01	mg/kg	N.D.	N.D.
PFBA-NH ₂	0.01	mg/kg	N.D.	N.D.
PFPA-Na	0.01	mg/kg	N.D.	N.D.
PFPA-K	0.01	mg/kg	N.D.	N.D.
PFPA-NH ₄	0.01	mg/kg	N.D.	N.D.

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Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			11	12
PFHxA-Na	0.01	mg/kg	N.D.	N.D.
PFHxA-K*	0.01	mg/kg	N.D.	N.D.
PFHxA-NH4	0.01	mg/kg	N.D.	N.D.
HPFHpA-Na	0.01	mg/kg	N.D.	N.D.
PFHpA-Na	0.01	mg/kg	N.D.	N.D.
PFHpA-K	0.01	mg/kg	N.D.	N.D.
PFHpA-NH2	0.01	mg/kg	N.D.	N.D.
PFBS-H2O	0.01	mg/kg	N.D.	N.D.
PFODA	0.01	mg/kg	N.D.	N.D.
PFHxDA	0.01	mg/kg	N.D.	N.D.
H2PFDA	0.01	mg/kg	N.D.	N.D.
PFHpS-K	0.01	mg/kg	N.D.	N.D.
6:2 FTMAC	0.2	mg/kg	N.D.	N.D.
N-MeFOSAA	0.01	mg/kg	N.D.	N.D.
N-EtFOSAA	0.01	mg/kg	N.D.	N.D.
PFSI	0.2	mg/kg	N.D.	N.D.
8:2 FTI	0.2	mg/kg	N.D.	N.D.
8:2diPAP	0.01	mg/kg	N.D.	N.D.
HFPO-DA	0.01	mg/kg	N.D.	N.D.
PFPS	0.01	mg/kg	N.D.	N.D.
PFPS-K	0.01	mg/kg	N.D.	N.D.
PFPS-Na	0.01	mg/kg	N.D.	N.D.
pentafluoropropionic acid(PFPrA)	0.01	mg/kg	N.D.	N.D.
sodium pentafluoropropionate	0.01	mg/kg	N.D.	N.D.
potassium pentafluoropropionate	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.01	mg/kg	N.D.	N.D.
magnesium bis[heptadecafluorooctanesulphonate]	0.01	mg/kg	N.D.	N.D.
1- Octanesulfonicacid,1,1,2,2,3,3,4,4,5,5,6,6,7 ,7,8,8,8- heptadecafluoro-,compd.withpiperidine(1:1)	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluordodecansulfonsaure (10:2 FTS)	0.01	mg/kg	N.D.	N.D.
2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations th	0.01	mg/kg	N.D.	N.D.
Ammonium Perfluorododecanoate (PFDODA-NH4)	0.01	mg/kg	N.D.	N.D.
1,1,2,2-Tetrahydroperfluorododecyl methacrylate(10:2FTMA)	0.2	mg/kg	N.D.	N.D.
1,1,2,2-Tetrahydroperfluoro-1- tetradecanol(12:2FTOH)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecyl iodide(10:2FTI)	0.2	mg/kg	N.D.	N.D.
1H,1H,2H,2H- Perfluorotetradecyl iodide(12:2FTI)	0.2	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			11	12
N-Methyl-perfluorohexane-1-sulfonamide (N-Me-FHxSA)	0.01	mg/kg	N.D.	N.D.
Perfluorohexanesulfonamide(PFHxSA)	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonate*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorooctanoate(PFOA-Li)*	0.01	mg/kg	N.D.	N.D.
Pentadecafluorooctanoic acid-pyridine (1/1)(PFOA-Pyridine)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanoate N,N,N-trimethylmethanaminium*	0.01	mg/kg	N.D.	N.D.
Perfluorononanoate(PFNA-)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorononanoate(PFNA-Ag)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorononanoate(PFNA-K)*	0.01	mg/kg	N.D.	N.D.
Methanaminium perfluorononanoate(PFNA-CH ₃ NH ₂)*	0.01	mg/kg	N.D.	N.D.
Cyclohexanaminium perfluorononanoate(PFNA-C ₆ H ₁₁ NH ₂)*	0.01	mg/kg	N.D.	N.D.
N,N-Diethylethanaminium heptadecafluorononanoate*	0.01	mg/kg	N.D.	N.D.
Silver perfluorobutanoate(PFBA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorobutanoate(PFBA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorobutanoate(PFBA-NH ₃)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorobutyrate(PFBA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorobutanoate(PFBA-Li)*	0.01	mg/kg	N.D.	N.D.
Tetraethylazanium nonafluorobutane-1-sulfonate*	0.01	mg/kg	N.D.	N.D.
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate(PFBS-NH ₄)*	0.01	mg/kg	N.D.	N.D.
Perfluorobutanesulfonate(PFBS-)*	0.01	mg/kg	N.D.	N.D.
Tetramethylammonium perfluorobutane sulfonate*	0.01	mg/kg	N.D.	N.D.
Sodium perfluorobutylsulfonate(PFBS-Na)*	0.01	mg/kg	N.D.	N.D.
Lithium nonafluorobutanesulfonate(PFBS-Li)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate (PFBS-(CH ₂ CH ₂ CH ₂ OH) ₂ NH)*	0.01	mg/kg	N.D.	N.D.
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide(PFBS-N-(2-hydroxyethyl)-N-methyl)*	0.01	mg/kg	N.D.	N.D.
Perfluoropentanoate(PFPA-)*	0.01	mg/kg	N.D.	N.D.
Silver perfluoropentanoate(PFPA-Ag)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluoropentanoate(PFPA-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorohexanoate(PFHxA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorohexanoate(PFHxA-)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorohexanoate(PFHxA-Li)*	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			11	12
Undecafluorohexanoic acid-piperazine (1:1)(PFHxA-Piperazine)*	0.01	mg/kg	N.D.	N.D.
Undecafluorohexanoic acid--hexan-1-amine (1/1)(PFHxA-Hexylamine)*	0.01	mg/kg	N.D.	N.D.
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate(HPFHpA-NH4)*	0.01	mg/kg	N.D.	N.D.
7-H-Perfluoroheptanoate(HPFHpA-)*	0.01	mg/kg	N.D.	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonate(6:2 FTSA-)*	0.01	mg/kg	N.D.	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1-octanesulfonic Acid Ammonium Salt(6:2 FTSA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorohexanesulfonate(PFHxS-)*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.	N.D.
Tetraethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorohexanesulfonate(PFHxS-Li)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorohexanesulfonate(PFHxS--NH4)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluorohexanesulfonate*	0.01	mg/kg	N.D.	N.D.
Nonadecafluorodecanoate(PFDA-)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluorodecanoate(PFDA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium perfluorodecanoate(PFDA-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluorodecanoate(PFDA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluorodecanesulfonate(PFDS-)*	0.01	mg/kg	N.D.	N.D.
Perfluoroheptanesulfonate(PFHpS-)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoroheptanesulfonate(PFHpS-NH4)*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluoroheptane sulfonate*	0.01	mg/kg	N.D.	N.D.
Perfluoropentanesulfonate(PFPS-)*	0.01	mg/kg	N.D.	N.D.
Ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate(PFPS-NH4)*	0.01	mg/kg	N.D.	N.D.
Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate*	0.01	mg/kg	N.D.	N.D.
Triethylammonium perfluoropentane sulfonate*	0.01	mg/kg	N.D.	N.D.
Lithium perfluoropentane sulfonate(PFPS-Li)*	0.01	mg/kg	N.D.	N.D.
Silver perfluoropropanoate(PFPrA-Ag)*	0.01	mg/kg	N.D.	N.D.
Perfluoropropanoate(PFPrA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium pentafluoropropionate(PFPrA-NH4)*	0.01	mg/kg	N.D.	N.D.

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Report No. 48.400.23.0957.01-01/02

Dated 2023-09-28



Tested Items	MDL	Unit	Result	
			11	12
Potassium 1H,1H,2H,2H-perfluoroundecanoate(H4PFUnA-K)*	0.01	mg/kg	N.D.	N.D.
Lithium 3-(perfluorooctyl)propanoate(H4PFUnA-Li)*	0.01	mg/kg	N.D.	N.D.
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonamide lithium salt (1:1)(PFOSA-Li)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctanesulfonamide sodium salt (1:1)(PFOSA-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluoroundecanoate(PFUnA-)*	0.01	mg/kg	N.D.	N.D.
Sodium perfluoroundecanoate(PFUnA-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium perfluoroundecanoate(PFUnA-K)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluoroundecanoate(PFUnA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorododecanoate(PFDoA-)*	0.01	mg/kg	N.D.	N.D.
Sodium Perfluorododecanoate(PFDoA-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorotridecanoate(PFTrA-)*	0.01	mg/kg	N.D.	N.D.
Ammonium perfluorotridecanoate(PFTrA-NH4)*	0.01	mg/kg	N.D.	N.D.
Perfluorotetradecanoate(PFTeA-)*	0.01	mg/kg	N.D.	N.D.
4:2 Fluorotelomer sulfonate(4:2 FTS-)*	0.01	mg/kg	N.D.	N.D.
Sodium 1H,1H,2H,2H-perfluoro-1-hexanesulfonate(4:2 FTS-Na)*	0.01	mg/kg	N.D.	N.D.
2-(Perfluorooctyl)ethane-1-sulfonate(8:2FTS-)*	0.01	mg/kg	N.D.	N.D.
8:2 Fluorotelomer sulfonate ammonium salt(8:2FTS-NH4)*	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium(8:2FTS-Na)*	0.01	mg/kg	N.D.	N.D.
Potassium 2-(perfluorooctyl)ethane-1-sulfonate(8:2FTS-K)*	0.01	mg/kg	N.D.	N.D.
1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium(10:2 FTS-Na)*	0.01	mg/kg	N.D.	N.D.
Perfluorooctadecanoate anion(PFODA-)*	0.01	mg/kg	N.D.	N.D.
Hentriacontafluorohexadecanoate anion(PFHxDA-)*	0.01	mg/kg	N.D.	N.D.
N-(Heptadecafluorooctylsulfonyl)-N-methylglycine potassium salt(N-MeFOSAA-K)	0.01	mg/kg	N.D.	N.D.
2-(N-Methylperfluorooctanesulfonamido)acetate(N-MeFOSAA-)	0.01	mg/kg	N.D.	N.D.
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-NH4)	0.01	mg/kg	N.D.	N.D.
2-(N-Ethyl-perfluorooctanesulfonamido)acetate(N-EtFOSAA-)	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result	
			11	12
Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-Na)	0.01	mg/kg	N.D.	N.D.
potassium N-ethyl-N-((heptadecafluorooctyl)sulphonyl)glycinate(N-EtFOSAA-K)	0.01	mg/kg	N.D.	N.D.
Triethylaminium perfluoro-2-propoxypropanoate(HFPO-DA-(C ₂ H ₅) ₃ N)	0.01	mg/kg	N.D.	N.D.

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Tested Items	MDL	Unit	Result
			13
Heptafluorobutyric acid(PFBA))	0.01	mg/kg	N.D.
Perfluoropentane Acid (PFPA)	0.01	mg/kg	N.D.
Perfluorohexane Acid (PFHxA)	0.01	mg/kg	N.D.
7H-Dodecanefluoroheptane Acid (HPFHpA)	0.01	mg/kg	N.D.
Perfluorobutane Sulfonate (PFBS)	0.01	mg/kg	N.D.
Potassium nonafluoro-1-butanefluorobutanesulfonate(PFBS-K)*	0.01	mg/kg	N.D.
Perfluoroheptane Acid (PFHpA)	0.01	mg/kg	N.D.
Perfluorooctanesulphonic acid 1H,1H,2H,2H (H4PFOS; 6:2)	0.01	mg/kg	N.D.
Perfluorooctanoic acid (PFOA)	0.01	mg/kg	N.D.
Ammonium Pentadecafluorooctanoate (APFO)*	0.01	mg/kg	N.D.
Sodium perfluorooctanoate(Na-PFO)*	0.01	mg/kg	N.D.
Potassium perfluorooctanoate(K-PFO)*	0.01	mg/kg	N.D.
Silver perfluorooctanoate(Ag-PFO)*	0.01	mg/kg	N.D.
Perfluorooctanoyl fluoride(F-PFO)*	0.01	mg/kg	N.D.
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate	0.01	mg/kg	N.D.
Perfluorohexane Sulfonate (PFHxS)	0.01	mg/kg	N.D.
Sodium Perfluorohexanesulfonate(PFHxS-Na)*	0.01	mg/kg	N.D.
Potassium perfluorohexanesulfonate(PFHxS-K)*	0.01	mg/kg	N.D.
Perfluorononanoic acid (PFNA)	0.01	mg/kg	N.D.
Sodium perfluorononanoate(PFNA-Na)*	0.01	mg/kg	N.D.
Ammonium perfluoropelargonate(APFN)*	0.01	mg/kg	N.D.
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA)	0.01	mg/kg	N.D.
Perfluoroheptane Sulfonate (PFHpS)	0.01	mg/kg	N.D.
Pentadecafluoro-1-heptanesulfinic acid sodium salt(PFHpS-Na)*	0.01	mg/kg	N.D.
Perfluorodecanoic acid (PFDA)	0.01	mg/kg	N.D.
Perfluorodecanoic acid,sodium salt(PFDA-Na)*	0.01	mg/kg	N.D.
Ammonium perfluorodecanoate(APFDA)*	0.01	mg/kg	N.D.
2H,2H,3H,3H-Perfluoroundecanoic Acid (H4PFUnA)	0.01	mg/kg	N.D.
Perfluorooctansulfonate (PFOS)	0.01	mg/kg	N.D.
Perfluorooctane sulphonamide(PFOSA)	0.01	mg/kg	N.D.
N-Methylheptadecafluorooctane-sulphonamide (N-Me-FOSA)	0.01	mg/kg	N.D.
N-Ethylperfluorooctane-1-sulfonamide(N-Et-FOSA)	0.01	mg/kg	N.D.
N-Me-FOSE alcohol (N-Me-FOSE)	0.01	mg/kg	N.D.
N-ET-FOSE alcohol (N-ET-FOSE)	0.01	mg/kg	N.D.
perfluoro-1-octanesulfonyl fluoride (POSF/PFOSF)*	0.01	mg/kg	N.D.
Potassium perfluorooctanesulphonate(PFOS-K)*	0.01	mg/kg	N.D.

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Dated 2023-09-28



Tested Items	MDL	Unit	Result
			13
Ammonium perfluorooctanesulfonate(PFOS-NH ₄)*	0.01	mg/kg	N.D.
Didecyl(dimethyl)azanium;1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate(PFOS-DDA)*	0.01	mg/kg	N.D.
Perfluoro-1-octanesulfonic acid, diethanolamine salt(PFOS-NH(OH) ₂)*	0.01	mg/kg	N.D.
Lithium perfluorooctylsulfonate(PFOS-Li)*	0.01	mg/kg	N.D.
Heptadecafluorooctanesulfonic acid tetraethylammonium salt(PFOS-N(C ₂ H ₅) ₄)*	0.01	mg/kg	N.D.
Perfluoroundecanoic Acid (PFUnA)	0.01	mg/kg	N.D.
Perfluorododecanoic Acid (PFDoA)	0.01	mg/kg	N.D.
Perfluorodecane Sulfonate (PFDS)	0.01	mg/kg	N.D.
Sodium Perfluoro-1-decanesulfonate(PFDS-Na)*	0.01	mg/kg	N.D.
Potassium henicosafuorodecanesulphonate(PFDS-K)*	0.01	mg/kg	N.D.
Ammonium henicosafuorodecanesulphonate(PFDS-NH ₄)*	0.01	mg/kg	N.D.
Perfluorotridecanoic Acid (PFTrA)	0.01	mg/kg	N.D.
Perfluorotetradecanoic Acid (PFTeA)	0.01	mg/kg	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	0.01	mg/kg	N.D.
Methyl perfluorooctanoate (Me-PFOA)	0.01	mg/kg	N.D.
Ethyl perfluorooctanoate (Et-PFOA)	0.01	mg/kg	N.D.
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	0.2	mg/kg	N.D.
1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	0.2	mg/kg	N.D.
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	0.2	mg/kg	N.D.
Perfluorooctyl iodide (PFOI)	0.5	mg/kg	N.D.
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	0.2	mg/kg	N.D.
1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	0.2	mg/kg	N.D.
1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	0.2	mg/kg	N.D.
1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	0.2	mg/kg	N.D.
1H,1H,2H,2H-Perfluoro -1-dodecanol (10:2 FTOH)	0.2	mg/kg	N.D.
Sodium Perfluoro-1-octanesulfonate(PFOS-Na)*	0.01	mg/kg	N.D.
PFBA-Na	0.01	mg/kg	N.D.
PFBA-NH ₂	0.01	mg/kg	N.D.
PFPA-Na	0.01	mg/kg	N.D.
PFPA-K	0.01	mg/kg	N.D.
PFPA-NH ₄	0.01	mg/kg	N.D.

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Tested Items	MDL	Unit	Result
			13
PFHxA-Na	0.01	mg/kg	N.D.
PFHxA-K*	0.01	mg/kg	N.D.
PFHxA-NH4	0.01	mg/kg	N.D.
HPFHpA-Na	0.01	mg/kg	N.D.
PFHpA-Na	0.01	mg/kg	N.D.
PFHpA-K	0.01	mg/kg	N.D.
PFHpA-NH2	0.01	mg/kg	N.D.
PFBS-H2O	0.01	mg/kg	N.D.
PFODA	0.01	mg/kg	N.D.
PFHxDA	0.01	mg/kg	N.D.
H2PFDA	0.01	mg/kg	N.D.
PFHpS-K	0.01	mg/kg	N.D.
6:2 FTMAC	0.2	mg/kg	N.D.
N-MeFOSAA	0.01	mg/kg	N.D.
N-EtFOSAA	0.01	mg/kg	N.D.
PFSI	0.2	mg/kg	N.D.
8:2 FTI	0.2	mg/kg	N.D.
8:2diPAP	0.01	mg/kg	N.D.
HFPO-DA	0.01	mg/kg	N.D.
PFPS	0.01	mg/kg	N.D.
PFPS-K	0.01	mg/kg	N.D.
PFPS-Na	0.01	mg/kg	N.D.
pentafluoropropionic acid(PFPrA)	0.01	mg/kg	N.D.
sodium pentafluoropropionate	0.01	mg/kg	N.D.
potassium pentafluoropropionate	0.01	mg/kg	N.D.
1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	0.01	mg/kg	N.D.
magnesium bis[heptadecafluorooctanesulphonate]	0.01	mg/kg	N.D.
1- Octanesulfonicacid,1,1,2,2,3,3,4,4,5,5,6,6,7 ,7,8,8,8- heptadecafluoro-,compd.withpiperidine(1:1)	0.01	mg/kg	N.D.
1H,1H,2H,2H-Perfluordodecansulfonsaure (10:2 FTS)	0.01	mg/kg	N.D.
2,3,3,3-tetrafluoro-2- (heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations th	0.01	mg/kg	N.D.
Ammonium Perfluorododecanoate (PFDODA-NH4)	0.01	mg/kg	N.D.
1,1,2,2-Tetrahydroperfluorododecyl methacrylate(10:2FTMA)	0.2	mg/kg	N.D.
1,1,2,2-Tetrahydroperfluoro-1- tetradecanol(12:2FTOH)	0.2	mg/kg	N.D.
1H,1H,2H,2H-Perfluorododecyl iodide(10:2FTI)	0.2	mg/kg	N.D.
1H,1H,2H,2H- Perfluorotetradecyl iodide(12:2FTI)	0.2	mg/kg	N.D.

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Tested Items	MDL	Unit	Result
			13
N-Methyl-perfluorohexane-1-sulfonamide (N-Me-FHxSA)	0.01	mg/kg	N.D.
Perfluorohexanesulfonamide(PFHxSA)	0.01	mg/kg	N.D.
Perfluorooctanesulfonate*	0.01	mg/kg	N.D.
Perfluorooctanoate*	0.01	mg/kg	N.D.
Lithium perfluorooctanoate(PFOA-Li)*	0.01	mg/kg	N.D.
Pentadecafluorooctanoic acid-pyridine (1/1)(PFOA-Pyridine)*	0.01	mg/kg	N.D.
Perfluorooctanoate N,N,N-trimethylmethanaminium*	0.01	mg/kg	N.D.
Perfluorononanoate(PFNA-)*	0.01	mg/kg	N.D.
Silver perfluorononanoate(PFNA-Ag)*	0.01	mg/kg	N.D.
Potassium perfluorononanoate(PFNA-K)*	0.01	mg/kg	N.D.
Methanaminium perfluorononanoate(PFNA-CH ₃ NH ₂)*	0.01	mg/kg	N.D.
Cyclohexanaminium perfluorononanoate(PFNA-C ₆ H ₁₁ NH ₂)*	0.01	mg/kg	N.D.
N,N-Diethylethanaminium heptadecafluorononanoate*	0.01	mg/kg	N.D.
Silver perfluorobutanoate(PFBA-Ag)*	0.01	mg/kg	N.D.
Perfluorobutanoate(PFBA-)*	0.01	mg/kg	N.D.
Ammonium perfluorobutanoate(PFBA-NH ₃)*	0.01	mg/kg	N.D.
Potassium perfluorobutyrate(PFBA-K)*	0.01	mg/kg	N.D.
Lithium perfluorobutanoate(PFBA-Li)*	0.01	mg/kg	N.D.
Tetraethylazanium nonafluorobutane-1-sulfonate*	0.01	mg/kg	N.D.
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate(PFBS-NH ₄)*	0.01	mg/kg	N.D.
Perfluorobutanesulfonate(PFBS-)*	0.01	mg/kg	N.D.
Tetramethylammonium perfluorobutane sulfonate*	0.01	mg/kg	N.D.
Sodium perfluorobutylsulfonate(PFBS-Na)*	0.01	mg/kg	N.D.
Lithium nonafluorobutanesulfonate(PFBS-Li)*	0.01	mg/kg	N.D.
Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate (PFBS-(CH ₂ CH ₂ CH ₂ OH) ₂ NH)*	0.01	mg/kg	N.D.
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide(PFBS-N-(2-hydroxyethyl)-N-methyl)*	0.01	mg/kg	N.D.
Perfluoropentanoate(PFPA-)*	0.01	mg/kg	N.D.
Silver perfluoropentanoate(PFPA-Ag)*	0.01	mg/kg	N.D.
Lithium perfluoropentanoate(PFPA-Li)*	0.01	mg/kg	N.D.
Silver perfluorohexanoate(PFHxA-Ag)*	0.01	mg/kg	N.D.
Perfluorohexanoate(PFHxA-)*	0.01	mg/kg	N.D.
Lithium perfluorohexanoate(PFHxA-Li)*	0.01	mg/kg	N.D.

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Tested Items	MDL	Unit	Result
			13
Undecafluorohexanoic acid-piperazine (1:1)(PFHxA-Piperazine)*	0.01	mg/kg	N.D.
Undecafluorohexanoic acid--hexan-1-amine (1/1)(PFHxA-Hexylamine)*	0.01	mg/kg	N.D.
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate(HPFHpA-NH4)*	0.01	mg/kg	N.D.
7-H-Perfluoroheptanoate(HPFHpA-)*	0.01	mg/kg	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonate(6:2 FTSA-)*	0.01	mg/kg	N.D.
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1-octanesulfonic Acid Ammonium Salt(6:2 FTSA-NH4)*	0.01	mg/kg	N.D.
Perfluorohexanesulfonate(PFHxS-)*	0.01	mg/kg	N.D.
Triethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.
Tetraethylammonium perfluorohexane sulfonate*	0.01	mg/kg	N.D.
Lithium perfluorohexanesulfonate(PFHxS-Li)*	0.01	mg/kg	N.D.
Ammonium perfluorohexanesulfonate(PFHxS--NH4)*	0.01	mg/kg	N.D.
Bis(2-hydroxyethyl)ammonium perfluorohexanesulfonate*	0.01	mg/kg	N.D.
Nonadecafluorodecanoate(PFDA-)*	0.01	mg/kg	N.D.
Potassium perfluorodecanoate(PFDA-K)*	0.01	mg/kg	N.D.
Lithium perfluorodecanoate(PFDA-Li)*	0.01	mg/kg	N.D.
Silver perfluorodecanoate(PFDA-Ag)*	0.01	mg/kg	N.D.
Perfluorodecanesulfonate(PFDS-)*	0.01	mg/kg	N.D.
Perfluoroheptanesulfonate(PFHpS-)*	0.01	mg/kg	N.D.
Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate*	0.01	mg/kg	N.D.
Ammonium perfluoroheptanesulfonate(PFHpS-NH4)*	0.01	mg/kg	N.D.
Triethylammonium perfluoroheptane sulfonate*	0.01	mg/kg	N.D.
Perfluoropentanesulfonate(PFPS-)*	0.01	mg/kg	N.D.
Ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate(PFPS-NH4)*	0.01	mg/kg	N.D.
Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate*	0.01	mg/kg	N.D.
Triethylammonium perfluoropentane sulfonate*	0.01	mg/kg	N.D.
Lithium perfluoropentane sulfonate(PFPS-Li)*	0.01	mg/kg	N.D.
Silver perfluoropropanoate(PFPrA-Ag)*	0.01	mg/kg	N.D.
Perfluoropropanoate(PFPrA-)*	0.01	mg/kg	N.D.
Ammonium pentafluoropropionate(PFPrA-NH4)*	0.01	mg/kg	N.D.

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Dated 2023-09-28



Tested Items	MDL	Unit	Result
			13
Potassium 1H,1H,2H,2H-perfluoroundecanoate(H4PFUnA-K)*	0.01	mg/kg	N.D.
Lithium 3-(perfluorooctyl)propanoate(H4PFUnA-Li)*	0.01	mg/kg	N.D.
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)*	0.01	mg/kg	N.D.
Perfluorooctanesulfonamide lithium salt (1:1)(PFOSA-Li)*	0.01	mg/kg	N.D.
Perfluorooctanesulfonamide sodium salt (1:1)(PFOSA-Na)*	0.01	mg/kg	N.D.
Perfluoroundecanoate(PFUnA-)*	0.01	mg/kg	N.D.
Sodium perfluoroundecanoate(PFUnA-Na)*	0.01	mg/kg	N.D.
Potassium perfluoroundecanoate(PFUnA-K)*	0.01	mg/kg	N.D.
Ammonium perfluoroundecanoate(PFUnA-NH4)*	0.01	mg/kg	N.D.
Perfluorododecanoate(PFDoA-)*	0.01	mg/kg	N.D.
Sodium Perfluorododecanoate(PFDoA-Na)*	0.01	mg/kg	N.D.
Perfluorotridecanoate(PFTrA-)*	0.01	mg/kg	N.D.
Ammonium perfluorotridecanoate(PFTrA-NH4)*	0.01	mg/kg	N.D.
Perfluorotetradecanoate(PFTeA-)*	0.01	mg/kg	N.D.
4:2 Fluorotelomer sulfonate(4:2 FTS-)*	0.01	mg/kg	N.D.
Sodium 1H,1H,2H,2H-perfluoro-1-hexanesulfonate(4:2 FTS-Na)*	0.01	mg/kg	N.D.
2-(Perfluorooctyl)ethane-1-sulfonate(8:2FTS-)*	0.01	mg/kg	N.D.
8:2 Fluorotelomer sulfonate ammonium salt(8:2FTS-NH4)*	0.01	mg/kg	N.D.
1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium(8:2FTS-Na)*	0.01	mg/kg	N.D.
Potassium 2-(perfluorooctyl)ethane-1-sulfonate(8:2FTS-K)*	0.01	mg/kg	N.D.
1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium(10:2 FTS-Na)*	0.01	mg/kg	N.D.
Perfluorooctadecanoate anion(PFODA-)*	0.01	mg/kg	N.D.
Hentriacontafluorohexadecanoate anion(PFHxDA-)*	0.01	mg/kg	N.D.
N-(Heptadecafluorooctylsulfonyl)-N-methylglycine potassium salt(N-MeFOSAA-K)	0.01	mg/kg	N.D.
2-(N-Methylperfluorooctanesulfonamido)acetate(N-MeFOSAA-)	0.01	mg/kg	N.D.
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-NH4)	0.01	mg/kg	N.D.
2-(N-Ethyl-perfluorooctanesulfonamido)acetate(N-EtFOSAA-)	0.01	mg/kg	N.D.

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Dated 2023-09-28



Tested Items	MDL	Unit	Result
			13
Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate(N-EtFOSAA-Na)	0.01	mg/kg	N.D.
potassium N-ethyl-N-((heptadecafluorooctyl)sulphonyl)glycinate(N-EtFOSAA-K)	0.01	mg/kg	N.D.
Triethylaminium perfluoro-2-propoxypropanoate(HFPO-DA-(C ₂ H ₅) ₃ N)	0.01	mg/kg	N.D.

Remark:

1. N.D.=Not Detected (<MDL)
2. "mg/kg" denotes "milligram per kilogram"
3. "*" denotes the data was converted based on results of related compounds

TEC_WUX_F_25.03E - Rev. 00 2021-06-24

TÜV SÜD Certification and Testing (China) Co., Ltd.

Prepared by:



Mr. Jialong HAN

Checked by:



Mr. Feng ZHANG

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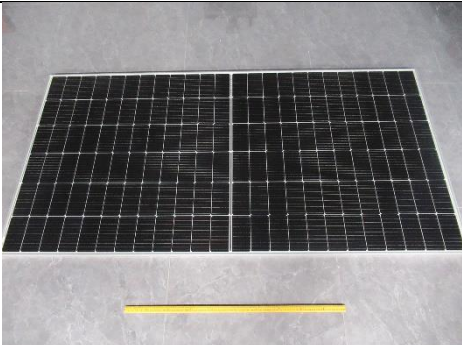
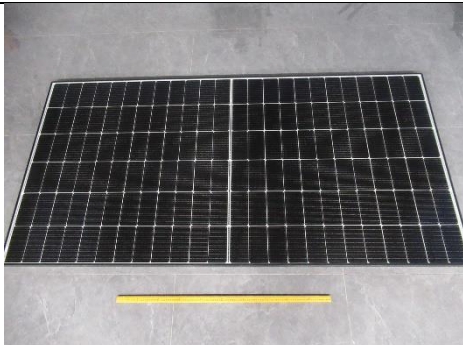
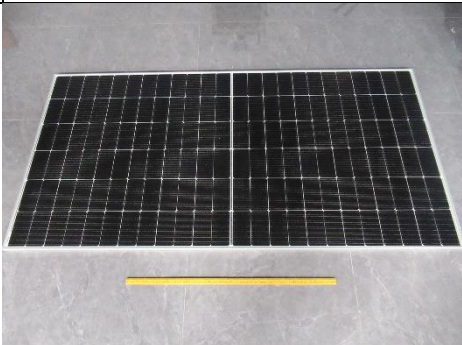
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APPENDIX I: Product Model

Product: PV Modules	
	
DM410M10-54HSW	DM545M10-B72HSW
	
DM575M10T-72HSW	DM570M10T-B72HSW
Additional model: TOPCon series: DMXXXM10T-54HSW, DMXXXM10T-54HBW, DMXXXM10T-54HBB, DMXXXM10T-60HSW, DMXXXM10T-60HBW, DMXXXM10T-60HBB, DMXXXM10T-66HSW, DMXXXM10T-66HBW, DMXXXM10T-66HBB, DMXXXM10T-72HSW, DMXXXM10T-72HBW, DMXXXM10T-72HBB, DMXXXM10T-78HSW, DMXXXM10T-78HBW, DMXXXM10T-78HBB, DMXXXM10T-54HSW-V, DMXXXM10T-54HBW-V, DMXXXM10T-54HBB-V, DMXXXM10T-60HSW-V, DMXXXM10T-60HBW-V, DMXXXM10T-60HBB-V, DMXXXM10T-66HSW-V, DMXXXM10T-66HBW-V, DMXXXM10T-66HBB-V, DMXXXM10T-72HSW-V, DMXXXM10T-72HBW-V, DMXXXM10T-72HBB-V, DMXXXM10T-78HSW-V, DMXXXM10T-78HBW-V, DMXXXM10T-78HBB-V, DMXXXM10T-B54HSW, DMXXXM10T-B54HBW, DMXXXM10T-B54HST, DMXXXM10T-B54HBT, DMXXXM10T-B54HBB, DMXXXM10T-B60HSW, DMXXXM10T-B60HBW, DMXXXM10T-B60HST, DMXXXM10T-B60HBT, DMXXXM10T-B60HBB, DMXXXM10T-B66HSW, DMXXXM10T-B66HBW, DMXXXM10T-B66HST, DMXXXM10T-B66HBT, DMXXXM10T-B66HBB, DMXXXM10T-B72HSW, DMXXXM10T-B72HBW, DMXXXM10T-B72HST, DMXXXM10T-B72HBT, DMXXXM10T-B72HBB,	

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DMXXXM10T-B78HSW, DMXXXM10T-B78HBW, DMXXXM10T-B78HST, DMXXXM10T-B78HBT, DMXXXM10T-B78HBB,
DMXXXM10RT-54HSW, DMXXXM10RT-54HBW, DMXXXM10RT-54HBB, DMXXXM10RT-54HSW-V, DMXXXM10RT-54HBW-V, DMXXXM10RT-54HBB-V, DMXXXM10RT-B54HSW, DMXXXM10RT-B54HBW, DMXXXM10RT-B54HST, DMXXXM10RT-B54HBT, DMXXXM10RT-B54HBB, DMXXXM10RT-B54HSW-L, DMXXXM10RT-B54HBW-L, DMXXXM10RT-B54HST-L, DMXXXM10RT-B54HBT-L, DMXXXM10RT-B54HBB-L,
DMXXXG12RT-66HSW, DMXXXG12RT-66HBW, DMXXXG12RT-66HBB, DMXXXG12RT-66HSW-V, DMXXXG12RT-66HBW-V, DMXXXG12RT-66HBB-V, DMXXX G12RT-B66HSW, DMXXX G12RT-B66HBW, DMXXX G12RT-B66HST, DMXXX G12RT-B66HBT, DMXXXG12RT-B66HBB;
DMXXXG12T-66HSW, DMXXXG12T-66HBW, DMXXXG12T-66HBB, DMXXXG12T-66HSW-V, DMXXXG12T-66HBW-V, DMXXXG12T-66HBB-V, DMXXX G12T-B66HSW, DMXXX G12T-B66HBW, DMXXX G12T-B66HST, DMXXX G12T-B66HBT, DMXXXG12T-B66HBB;
DMXXXG12T-60HSW, DMXXXG12T-60HBW, DMXXXG12T-60HBB, DMXXXG12T-60HSW-V, DMXXXG12T-60HBW-V, DMXXXG12T-60HBB-V, DMXXX G12T-B60HSW, DMXXX G12T-B60HBW, DMXXX G12T-B60HST, DMXXX G12T-B60HBT, DMXXXG12T-B60HBB;

PERC seires:

DMXXXM6-60HSW, DMXXXM6-60HBW, DMXXXM6-60HBB, DMXXXM6-72HSW, DMXXXM6-72HBW, DMXXXM6-72HBB, DMXXXM10-54HSW, DMXXXM10-54HBW, DMXXXM10-54HBB, DMXXXM10-60HSW, DMXXXM10-60HBW, DMXXXM10-60HBB, DMXXXM10-66HSW, DMXXXM10-66HBW, DMXXXM10-66HBB, DMXXXM10-72HSW, DMXXXM10-72HBW, DMXXXM10-72HBB, DMXXXM10-78HSW, DMXXXM10-78HBW, DMXXXM10-78HBB, DMXXXM6-60HSW-V, DMXXXM6-60HBW-V, DMXXXM6-60HBB-V, DMXXXM6-72HSW-V, DMXXXM6-72HBW-V, DMXXXM6-72HBB-V, DMXXXM10-54HSW-V, DMXXXM10-54HBW-V, DMXXXM10-54HBB-V, DMXXXM10-60HSW-V, DMXXXM10-60HBW-V, DMXXXM10-60HBB-V, DMXXXM10-66HSW-V, DMXXXM10-66HBW-V, DMXXXM10-66HBB-V, DMXXXM10-72HSW-V, DMXXXM10-72HBW-V, DMXXXM10-72HBB-V, DMXXXM10-78HSW-V, DMXXXM10-78HBW-V, DMXXXM10-78HBB-V,
DMXXXM6-B60HSW, DMXXXM6-B60HBW, DMXXXM6-B60HST, DMXXXM6-B60HBT, DMXXXM6-B60HBB, DMXXXM6-B72HSW, DMXXXM6-B72HBW, DMXXXM6-B72HST, DMXXXM6-B72HBT, DMXXXM6-B72HBB,

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DMXXXM10-B54HSW, DMXXXM10-B54HBW, DMXXXM10-B54HST, DMXXXM10-B54HBT,
DMXXXM10-B54HBB,

DMXXXM10-B60HSW, DMXXXM10-B60HBW, DMXXXM10-B60HST, DMXXXM10-B60HBT,
DMXXXM10-B60HBB,

DMXXXM10-B66HSW, DMXXXM10-B66HBW, DMXXXM10-B66HST, DMXXXM10-B66HBT,
DMXXXM10-B66HBB,

DMXXXM10-B72HSW, DMXXXM10-B72HBW, DMXXXM10-B72HST, DMXXXM10-B72HBT,
DMXXXM10-B72HBB,

DMXXXM10-B78HSW, DMXXXM10-B78HBW, DMXXXM10-B78HST, DMXXXM10-B78HBT,
DMXXXM10-B78HBB;

Greenhouse series which are with the model name start with "GH"

GH series other type:

GHXXXG1-60SW-C, GHXXXM6-B54HST-C, GHXXXM6-B54HSW-C, GHXXXM6-B66HST-C,
GHXXXM6-B66HSW-C, GHXXXM6-B72HST-C, GHXXXM6-B72HSW-C, GHXXXM10-B48HST-C,
GHXXXM10-B66HST-C, GHXXXM10-B66HSW-C, GHXXXM10-B72HST-C, GHXXXM10-B72HSW-C,
GHXXXM10T-B48HST-C, GHXXXM10T-B66HST-C, GHXXXM10T-B66HSW-C, GHXXXM10T-
B72HST-C, GHXXXM10T-B72HSW-C

XXX means module nameplate power.

Remark:

1. The report covers material testing on specified samples.
2. The tested materials covered by the report were declared by the manufacturer to be used on the additional model.

--END OF REPORT--

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