

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Applicant: Watersavers Turf

Product Name: ARTIFICIAL GRASS

Receipt Date of Sample: 2023-10-27

Date of Testing: 2023-10-27 ~ 2023-11-03

Sample Submitted: The sample(s) was (were) submitted by applicant and identified.

Test Result: Refer to the data listed in following pages

Test Item	Conclusion
1. Client's Requirement- PFAS Content	Pass

Remarks: 1. MDL = Method Detection Limit
2. ND = Not Detected (<MDL)
3. ≤ Less than
4. 1 mg/kg = 1 ppm = 0.0001%

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

Prepared by:

Authorized by:

Jenny Yao
Technical Engineer

Sawyer Tang
Technical Manager

Note:


- (1) The TÜV SÜD Certification and Testing (China) Co., Ltd. "General Terms & Conditions" applied.
Any use for advertising purposes must be granted in writing. This technical report may only be quoted in full. This report is the result of a single examination of the object in question and is not generally applicable evaluation of the quality of other products in regular production.
For further details, please see "Testing and certification regulation", chapter A-3.4
For full version, please visit: EN : <https://www.tuvsud.cn/zh-cn/resource/terms-and-conditions---en> ; SCN: <https://www.tuvsud.cn/zh-cn/terms-and-conditions> ; TCN: <https://www.tuvsud.com/zh-tw/terms-and-conditions>
- (2) The results relate only to the Items tested.
- (3) The test report shall not be reproduced except in full without the written approval of the laboratory
- (4) **Disclaimer Measurement Uncertainty:**
Unless otherwise agreed upon, Pass or Fail verdicts are given based on the measured values without any considerations of measurement uncertainties. Please note, every test method has a measurement uncertainty which has been evaluated by the laboratory according to ISO/IEC 17025 requirements. By taking measurement uncertainties into account it might happen that measured values can neither be assessed as Pass nor as Fail.

Laboratory:
TÜV SÜD Certification and Testing (China) Co., Ltd.
Shanghai Branch, Testing Center
Building B,C, No. 1999 and Building D, No. 2059,
Duhui Road, Minhang District, Shanghai

Phone: +86 21 60376300
Fax: +86 21 60376350
<http://www.tuvsud.com>

Regd. Office:
TÜV SÜD Certification and Testing (China) Co., Ltd.
Shanghai Branch, TÜV SÜD Group
Floor 11-12, No 151, Hengtong Road, Jing'an District, Shanghai

Description of Tested Subject:

Sample	Description	Photo
001	ARTIFICIAL GRASS	

T. No	Sample	Description
T1	002	Green/brown soft plastic
T2	003	Black/green soft plastic



Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Test Result(s):

1. Client's Requirement- PFAS Content

Test with reference to in-house method, determination by GC-MS/GC-MS-MS/LC-MS-MS.

Compounds Name	CAS No	Unit	MDL	Limit	Result 002
1H,1H,2H,2H-Heptadecafluorodecyl methacrylate	1996-88-9	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorododecyl methacrylate	2144-54-9	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorooctyl methacrylate	2144-53-8	mg/kg	0.2	ND	ND
Perfluorooctyl iodide	507-63-1	mg/kg	0.2	ND	ND
1H,1H,2H,2H-perfluorooctyl acrylate	17527-29-6	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorodecyl acrylate	27905-45-9	mg/kg	0.2	ND	ND
1H,1H,2H,2H-perfluorododecyl acrylate	17741-60-5	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorodecyltriethoxysilane	101947-16-4	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Heptadecafluorodecyl iodide	2043-53-0	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorododecyl iodide	2043-54-1	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorotetradecyl iodide	30046-31-2	mg/kg	0.2	ND	ND
Perfluorooctanesulfonic acid	1763-23-1	mg/kg	0.01	ND	ND
Perfluorooctanesulfonyl fluoride*	307-35-7	mg/kg	0.01		
Potassium perfluorooctanesulfonate*	2795-39-3	mg/kg	0.01		
Ammonium perfluorooctanesulfonate*	29081-56-9	mg/kg	0.01		
1-Decanaminium, N-decyl-N,N-dimethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)*	251099-16-8	mg/kg	0.01		
Diethanolamine perfluorooctanesulfonate*	70225-14-8	mg/kg	0.01		
Lithium perfluorooctanesulfonate*	29457-72-5	mg/kg	0.01		
Tetraethylammonium perfluorooctanesulfonate*	56773-42-3	mg/kg	0.01		
Tetramethylammonium perfluorooctane sulfonate*	56773-44-5	mg/kg	0.01		
Sodium perfluorooctanesulfonate*	4021-47-0	mg/kg	0.01		
magnesium bis[heptadecafluorooctanesulphonate]*	91036-71-4	mg/kg	0.01		
Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate*	71463-74-6	mg/kg	0.01		
Perfluorooctanesulfonate*	45298-90-6	mg/kg	0.01		
Perfluorooctanoic acid	335-67-1	mg/kg	0.01		
Ammonium perfluorooctanoate*	3825-26-1	mg/kg	0.01		

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 002		
Sodium perfluorooctanoate*	335-95-5	mg/kg	0.01				
Potassium perfluorooctanoate*	2395-00-8	mg/kg	0.01				
Silver perfluorooctanoate*	335-93-3	mg/kg	0.01				
Perfluorooctanoyl fluoride*	335-66-0	mg/kg	0.01				
Perfluorooctanoate*	45285-51-6	mg/kg	0.01				
Lithium perfluorooctanoate*	17125-58-5	mg/kg	0.01				
Pentadecafluorooctanoic acid-pyridine (1/1)*	95658-47-2	mg/kg	0.01				
Perfluorooctanoate N,N,N-trimethylmethanaminium*	32609-65-7	mg/kg	0.01				
Methyl perfluorooctanoate*	376-27-2	mg/kg	0.01	ND	ND		
Ethyl perfluorooctanoate*	3108-24-5	mg/kg	0.01				
Perfluorononanoic acid	375-95-1	mg/kg	0.01				
Sodium perfluorononanoate*	21049-39-8	mg/kg	0.01				
Ammonium perfluorononanoate*	4149-60-4	mg/kg	0.01				
Perfluorononanoate*	72007-68-2	mg/kg	0.01				
Silver perfluorononanoate*	7358-16-9	mg/kg	0.01				
Potassium perfluorononanoate*	21049-38-7	mg/kg	0.01				
Methanaminium perfluorononanoate*	77032-23-6	mg/kg	0.01				
Cyclohexanaminium perfluorononanoate*	328531-06-2	mg/kg	0.01				
N,N-Diethylethanaminium heptadecafluorononanoate*	327176-80-7	mg/kg	0.01				
Perfluorobutanoic acid	375-22-4	mg/kg	0.01			ND	ND
Sodium perfluorobutanoate*	2218-54-4	mg/kg	0.01				
Perfluorobutyramide*	662-50-0	mg/kg	0.01				
Silver perfluorobutanoate*	3794-64-7	mg/kg	0.01				
Perfluorobutanoate*	45048-62-2	mg/kg	0.01				
Ammonium perfluorobutanoate*	10495-86-0	mg/kg	0.01				
Potassium perfluorobutyrate*	2966-54-3	mg/kg	0.01				
Lithium perfluorobutanoate*	4146-76-3	mg/kg	0.01				
Calcium perfluorobutanoate*	2366-98-5	mg/kg	0.01				
Perfluorobutanesulfonic acid	375-73-5	mg/kg	0.01				
Potassium perfluorobutanesulfonate*	29420-49-3	mg/kg	0.01	ND	ND		
Perfluorobutanesulfonic acid hydrate*	59933-66-3	mg/kg	0.01				
Tetraethylazanium nonafluorobutane-1-sulfonate*	25628-08-4	mg/kg	0.01				
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate*	68259-10-9	mg/kg	0.01				
Perfluorobutanesulfonate*	45187-15-3	mg/kg	0.01				
Tetramethylammonium perfluorobutane sulfonate*	25628-17-5	mg/kg	0.01				
Sodium perfluorobutylsulfonate*	60453-92-1	mg/kg	0.01				
Lithium nonafluorobutanesulfonate*	131651-65-5	mg/kg	0.01				

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 002
Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate*	70225-18-2	mg/kg	0.01		
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide*	34454-97-2	mg/kg	0.01		
Perfluorobutanesulfonyl fluoride*	375-72-4	mg/kg	0.01		
Perfluorobutanesulphonyl chloride*	2991-84-6	mg/kg	0.01		
Zinc nonafluorobutanesulphonate*	502457-69-4	mg/kg	0.01		
Magnesium nonafluorobutanesulfonate*	507453-86-3	mg/kg	0.01		
Perfluoropentanoic acid	2706-90-3	mg/kg	0.01		
Sodium perfluorovalerate*	2706-89-0	mg/kg	0.01		
Potassium perfluoropentanoate*	336-23-2	mg/kg	0.01		
Nonafluoropentanoic acid, ammonium salt*	68259-11-0	mg/kg	0.01	ND	ND
Perfluoropentanoate*	45167-47-3	mg/kg	0.01		
Silver perfluoropentanoate*	2795-30-4	mg/kg	0.01		
Lithium perfluoropentanoate*	198482-22-3	mg/kg	0.01		
Perfluorohexanoic acid	307-24-4	mg/kg	0.01		
Sodium perfluorohexanoate*	2923-26-4	mg/kg	0.01		
Potassium perfluorohexanoate*	3109-94-2	mg/kg	0.01		
Ammonium undecafluorohexanoate*	21615-47-4	mg/kg	0.01		
Silver perfluorohexanoate*	336-02-7	mg/kg	0.01	ND	ND
Perfluorohexanoate*	92612-52-7	mg/kg	0.01		
Lithium perfluorohexanoate*	90430-61-8	mg/kg	0.01		
Undecafluorohexanoic acid-piperazine (1:1)*	423-47-2	mg/kg	0.01		
Undecafluorohexanoic acid--hexan-1-amine (1/1)*	565225-91-4	mg/kg	0.01		
7H-Dodecafluoroheptanoic acid	1546-95-8	mg/kg	0.01		
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate*	376-34-1	mg/kg	0.01		
7-H-Perfluoroheptanoate*	69681-35-2	mg/kg	0.01		
Sodium 7H-perfluoroheptanoate*	2264-25-7	mg/kg	0.01		
Perfluoroheptanoic acid	375-85-9	mg/kg	0.01		
Sodium perfluoroheptanoate*	20109-59-5	mg/kg	0.01	ND	ND
Potassium perfluoroheptanoate*	21049-36-5	mg/kg	0.01		
Perfluoroheptanamide*	2358-22-7	mg/kg	0.01		
Ammonium perfluoroheptanoate*	6130-43-4	mg/kg	0.01		
Silver perfluoroheptanoate*	424-05-5	mg/kg	0.01		
Lithium perfluoroheptanoate*	60871-90-1	mg/kg	0.01		
Perfluoroheptanoate*	120885-29-2	mg/kg	0.01		
Cesium perfluoroheptanoate*	171198-24-6	mg/kg	0.01		

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 002
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonic acid	27619-97-2	mg/kg	0.01	ND	ND
6:2 Fluorotelomer sulfonate sodium salt*	27619-94-9	mg/kg	0.01		
6:2 Fluorotelomer sulfonate barium salt*	1807944-82-6	mg/kg	0.01		
Potassium 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonate*	59587-38-1	mg/kg	0.01		
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonate*	425670-75-3	mg/kg	0.01		
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1-octanesulfonic Acid Ammonium Salt*	59587-39-2	mg/kg	0.01	ND	ND
Perfluorohexanesulfonic acid	355-46-4	mg/kg	0.01		
Sodium perfluorohexanesulfonate*	82382-12-5	mg/kg	0.01		
Potassium perfluorohexanesulfonate*	3871-99-6	mg/kg	0.01		
Perfluorohexanesulfonate*	108427-53-8	mg/kg	0.01		
Triethylammonium perfluorohexane sulfonate*	72033-41-1	mg/kg	0.01		
Tetraethylammonium perfluorohexane sulfonate*	108427-55-0	mg/kg	0.01		
Lithium perfluorohexanesulfonate*	55120-77-9	mg/kg	0.01		
Ammonium perfluorohexanesulfonate*	68259-08-5	mg/kg	0.01		
Bis(2-hydroxyethyl)ammonium perfluorohexanesulfonate*	70225-16-0	mg/kg	0.01		
Perfluorohexanesulfonic acid, zinc salt*	70136-72-0	mg/kg	0.01		
Perfluorohexanesulphonyl fluoride*	423-50-7	mg/kg	0.01		
Perfluorohexanesulfonic acid, cesium salt (1:1)*	92011-17-1	mg/kg	0.01		
Perfluorodecanoic acid	335-76-2	mg/kg	0.01		
Sodium Perfluorodecanoate*	3830-45-3	mg/kg	0.01		
Ammonium perfluorodecanoate*	3108-42-7	mg/kg	0.01		
Nonadecafluorodecanoate*	73829-36-4	mg/kg	0.01		
Potassium perfluorodecanoate*	51604-85-4	mg/kg	0.01		
Lithium perfluorodecanoate*	84743-32-8	mg/kg	0.01		
Silver perfluorodecanoate*	5784-82-7	mg/kg	0.01	ND	ND
Perfluorodecanesulfonic acid	335-77-3	mg/kg	0.01		
Perfluorodecanesulfonate*	126105-34-8	mg/kg	0.01		
Sodium perfluorodecanesulfonate*	2806-15-7	mg/kg	0.01		
Perfluorodecanesulfonate potassium*	2806-16-8	mg/kg	0.01		
Perfluorodecanesulfonic acid ammonium salt*	67906-42-7	mg/kg	0.01	ND	ND
Perfluoroheptanesulfonic acid	375-92-8	mg/kg	0.01		
Sodium perfluoroheptane sulfonate*	21934-50-9	mg/kg	0.01		
Potassium perfluoroheptanesulfonate*	60270-55-5	mg/kg	0.01		
Perfluoroheptanesulfonate*	146689-46-5	mg/kg	0.01		
Lithium perfluoroheptanesulfonate*	117806-54-9	mg/kg	0.01		
Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate*	70225-15-9	mg/kg	0.01		

Laboratory:
TÜV SÜD Certification and Testing (China) Co., Ltd.
Shanghai Branch, Testing Center
Building B,C, No. 1999 and Building D, No. 2059,
Duhui Road, Minhang District, Shanghai

Phone: +86 21 60376300
Fax: +86 21 60376350
<http://www.tuvsud.com>

Regd. Office:
TÜV SÜD Certification and Testing (China) Co., Ltd.
Shanghai Branch, TÜV SÜD Group
Floor 11-12, No 151, Hengtong Road, Jing'an District, Shanghai

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 002
Ammonium perfluoroheptanesulfonate*	68259-07-4	mg/kg	0.01		
Triethylammonium perfluoroheptane sulfonate*	72033-40-0	mg/kg	0.01		
Perfluoropentanesulfonic acid	2706-91-4	mg/kg	0.01		
Perfluoropentanesulfonate*	175905-36-9	mg/kg	0.01		
Potassium perfluoropentane-1-sulphonate*	3872-25-1	mg/kg	0.01		
Ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate*	68259-09-6	mg/kg	0.01		
Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate*	70225-17-1	mg/kg	0.01	ND	ND
Sodium perfluoropentanesulfonate*	630402-22-1	mg/kg	0.01		
Triethylammonium perfluoropentane sulfonate*	72033-42-2	mg/kg	0.01		
Lithium perfluoropentane sulfonate*	1046864-81-6	mg/kg	0.01		
Perfluoropropionic acid	422-64-0	mg/kg	0.01		
Sodium pentafluoropropionate*	378-77-8	mg/kg	0.01		
Potassium pentafluoropropionate*	378-76-7	mg/kg	0.01		
Silver perfluoropropanoate*	509-09-1	mg/kg	0.01	ND	ND
Perfluoropropanoate*	44864-55-3	mg/kg	0.01		
Ammonium pentafluoropropionate*	2730-58-7	mg/kg	0.01		
Perfluoro-3,7-dimethyloctanoic acid	172155-07-6	mg/kg	0.01	ND	ND
2H,2H,3H,3H-Perfluoroundecanoic acid	34598-33-9	mg/kg	0.01		
Potassium 1H,1H,2H,2H-perfluoroundecanoate*	83310-58-1	mg/kg	0.01	ND	ND
Lithium 3-(perfluorooctyl)propanoate*	67304-23-8	mg/kg	0.01		
Perfluorooctanesulfonamide	754-91-6	mg/kg	0.01		
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)*	76752-82-4	mg/kg	0.01		
Perfluorooctanesulfonamide lithium salt (1:1)*	76752-79-9	mg/kg	0.01	ND	ND
Perfluorooctanesulfonamide sodium salt (1:1)*	76752-78-8	mg/kg	0.01		
Perfluorooctanesulfonamide ammonium salt (1:1)*	76752-72-2	mg/kg	0.01		
Perfluorooctanesulfonamide potassium salt (1:1)*	76752-70-0	mg/kg	0.01		
N-methylperfluorooctanesulfonamide	31506-32-8	mg/kg	0.01	ND	ND
N-Ethylperfluorooctanesulfonamide	4151-50-2	mg/kg	0.01	ND	ND
N-Methylperfluorooctanesulfonamidoethanol	24448-09-7	mg/kg	0.01	ND	ND
N-Ethyl-N-(2-hydroxyethyl)perfluorooctylsulphonamide	1691-99-2	mg/kg	0.01	ND	ND
Perfluoroundecanoic acid	2058-94-8	mg/kg	0.01		
Perfluoroundecanoate*	196859-54-8	mg/kg	0.01		
Sodium perfluoroundecanoate*	60871-96-7	mg/kg	0.01		
Potassium perfluoroundecanoate*	30377-53-8	mg/kg	0.01	ND	ND
Ammonium perfluoroundecanoate*	4234-23-5	mg/kg	0.01		
Calcium perfluoroundecanoate*	97163-17-2	mg/kg	0.01		
Perfluorododecanoic acid	307-55-1	mg/kg	0.01		

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 002
Ammonium perfluorododecanoate*	3793-74-6	mg/kg	0.01		
Perfluorododecanoate*	171978-95-3	mg/kg	0.01		
Sodium Perfluorododecanoate*	60872-01-7	mg/kg	0.01		
Perfluorotridecanoic acid	72629-94-8	mg/kg	0.01	ND	ND
Perfluorotridecanoate*	862374-87-6	mg/kg	0.01		
Ammonium perfluorotridecanoate*	4288-72-6	mg/kg	0.01		
Perfluorotetradecanoic acid*	376-06-7	mg/kg	0.01		
Perfluorotetradecanoate*	365971-87-5	mg/kg	0.01	ND	ND
1H,1H,2H,2H-perfluorohexane sulfonate acid	757124-72-4	mg/kg	0.01		
4:2 Fluorotelomer sulfonate*	414911-30-1	mg/kg	0.01		
Sodium 1H,1H,2H,2H-perfluoro-1-hexanesulfonate*	27619-93-8	mg/kg	0.01	ND	ND
1H,1H,2H,2H-Perfluorodecanesulfonic acid	39108-34-4	mg/kg	0.01		
2-(Perfluorooctyl)ethane-1-sulfonate*	481071-78-7	mg/kg	0.01		
8:2 Fluorotelomer sulfonate ammonium salt*	149724-40-3	mg/kg	0.01	ND	ND
1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium*	27619-96-1	mg/kg	0.01		
Potassium 2-(perfluorooctyl)ethane-1-sulfonate*	438237-73-1	mg/kg	0.01		
1H,1H,2H,2H-Perfluorododecane sulfonic acid	120226-60-0	mg/kg	0.01		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium*	108026-35-3	mg/kg	0.01	ND	ND
Perfluorooctadecanoic acid	16517-11-6	mg/kg	0.01		
Perfluorooctadecanoate anion*	798556-82-8	mg/kg	0.01		
Perfluorohexadecanoic acid	67905-19-5	mg/kg	0.01	ND	ND
Hentriacontafluorohexadecanoate anion*	1214264-30-8	mg/kg	0.01		
2H,2H Perfluorodecane Acid	27854-31-5	mg/kg	0.01	ND	ND
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate*	882489-14-7	mg/kg	0.01		
N-methylperfluorooctane sulfonamidoacetic acid	2355-31-9	mg/kg	0.01	ND	ND
N-(Heptadecafluorooctylsulfonyl)-N-methylglycine potassium salt*	70281-93-5	mg/kg	0.01		
2-(N-Methylperfluorooctanesulfonamido)acetate*	909405-48-7	mg/kg	0.01		
N-ethylperfluorooctane sulfonamidoacetic acid	2991-50-6/1336-61-4	mg/kg	0.01		
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate*	2991-52-8	mg/kg	0.01		
2-(N-Ethyl-perfluorooctanesulfonamido)acetate*	909405-49-8	mg/kg	0.01		
Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate*	3871-50-9	mg/kg	0.01		
potassium N-ethyl-N-((heptadecafluorooctyl)sulphonyl)glycinate*	2991-51-7	mg/kg	0.01		

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 002
8:2 Fluorotelomer phosphate diester	678-41-1	mg/kg	0.01	ND	ND
Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate*	114519-85-6	mg/kg	0.01		
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoic acid	13252-13-6	mg/kg	0.01	ND	ND
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)*	-	mg/kg	0.01		
Triethylaminium perfluoro-2-propoxypropanoate*	165951-18-8	mg/kg	0.01		
2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid-N-propylpropan-1-amine (1:1)*	165951-17-7	mg/kg	0.01		
Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate*	67118-55-2	mg/kg	0.01		
Ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate*	62037-80-3	mg/kg	0.01		
sodium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate*	67963-75-1	mg/kg	0.01		
2,3,3,3-Tetrafluoro-2-(perfluoropropoxy)propanoyl fluoride*	2062-98-8	mg/kg	0.01		
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-	68259-15-4	mg/kg	0.01	ND	ND
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	41997-13-1	mg/kg	0.01	ND	ND
1H,1H,2H,2H-Perfluorohexan-1-ol	2043-47-2	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluoro-1-octanol	647-42-7	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorodecan-1-ol	678-39-7	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorododecan-1-ol	865-86-1	mg/kg	0.2	ND	ND
H,1H,2H,2H-perfluorotetradecan-1-ol	39239-77-5	mg/kg	0.2	ND	ND
Conclusion					Pass

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 003
1H,1H,2H,2H-Heptadecafluorodecyl methacrylate	1996-88-9	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorododecyl methacrylate	2144-54-9	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorooctyl methacrylate	2144-53-8	mg/kg	0.2	ND	ND
Perfluorooctyl iodide	507-63-1	mg/kg	0.2	ND	ND
1H,1H,2H,2H-perfluorooctyl acrylate	17527-29-6	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorodecyl acrylate	27905-45-9	mg/kg	0.2	ND	ND
1H,1H,2H,2H-perfluorododecyl acrylate	17741-60-5	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorodecyltriethoxysilane	101947-16-4	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Heptadecafluorodecyl Iodide	2043-53-0	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorododecyl iodide	2043-54-1	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorotetradecyl iodide	30046-31-2	mg/kg	0.2	ND	ND
Perfluorooctanesulfonic acid	1763-23-1	mg/kg	0.01	ND	ND
Perfluorooctanesulfonyl fluoride*	307-35-7	mg/kg	0.01		
Potassium perfluorooctanesulfonate*	2795-39-3	mg/kg	0.01		
Ammonium perfluorooctanesulfonate*	29081-56-9	mg/kg	0.01		
1-Decanaminiun, N-decyl-N,N-dimethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)*	251099-16-8	mg/kg	0.01		
Diethanolamine perfluorooctanesulfonate*	70225-14-8	mg/kg	0.01		
Lithium perfluorooctanesulfonate*	29457-72-5	mg/kg	0.01		
Tetraethylammonium perfluorooctanesulfonate*	56773-42-3	mg/kg	0.01		
Tetramethylammonium perfluorooctane sulfonate*	56773-44-5	mg/kg	0.01		
Sodium perfluorooctanesulfonate*	4021-47-0	mg/kg	0.01		
magnesium bis[heptadecafluorooctanesulphonate]*	91036-71-4	mg/kg	0.01		
Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate*	71463-74-6	mg/kg	0.01		
Perfluorooctanesulfonate*	45298-90-6	mg/kg	0.01		
Perfluorooctanoic acid	335-67-1	mg/kg	0.01	ND	ND
Ammonium perfluorooctanoate*	3825-26-1	mg/kg	0.01		
Sodium perfluorooctanoate*	335-95-5	mg/kg	0.01		
Potassium perfluorooctanoate*	2395-00-8	mg/kg	0.01		
Silver perfluorooctanoate*	335-93-3	mg/kg	0.01		

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 003		
Perfluorooctanoyl fluoride*	335-66-0	mg/kg	0.01				
Perfluorooctanoate*	45285-51-6	mg/kg	0.01				
Lithium perfluorooctanoate*	17125-58-5	mg/kg	0.01				
Pentadecafluorooctanoic acid-pyridine (1/1)*	95658-47-2	mg/kg	0.01				
Perfluorooctanoate N,N,N-trimethylmethanaminium*	32609-65-7	mg/kg	0.01				
Methyl perfluorooctanoate*	376-27-2	mg/kg	0.01				
Ethyl perfluorooctanoate*	3108-24-5	mg/kg	0.01				
Perfluorononanoic acid	375-95-1	mg/kg	0.01			ND	ND
Sodium perfluorononanoate*	21049-39-8	mg/kg	0.01				
Ammonium perfluorononanoate*	4149-60-4	mg/kg	0.01				
Perfluorononanoate*	72007-68-2	mg/kg	0.01				
Silver perfluorononanoate*	7358-16-9	mg/kg	0.01				
Potassium perfluorononanoate*	21049-38-7	mg/kg	0.01				
Methanaminium perfluorononanoate*	77032-23-6	mg/kg	0.01				
Cyclohexanaminium perfluorononanoate*	328531-06-2	mg/kg	0.01				
N,N-Diethylethanaminium heptadecafluorononanoate*	327176-80-7	mg/kg	0.01				
Perfluorobutanoic acid	375-22-4	mg/kg	0.01	ND	ND		
Sodium perfluorobutanoate*	2218-54-4	mg/kg	0.01				
Perfluorobutyramide*	662-50-0	mg/kg	0.01				
Silver perfluorobutanoate*	3794-64-7	mg/kg	0.01				
Perfluorobutanoate*	45048-62-2	mg/kg	0.01				
Ammonium perfluorobutanoate*	10495-86-0	mg/kg	0.01				
Potassium perfluorobutyrate*	2966-54-3	mg/kg	0.01				
Lithium perfluorobutanoate*	4146-76-3	mg/kg	0.01				
Calcium perfluorobutanoate*	2366-98-5	mg/kg	0.01				
Perfluorobutanesulfonic acid	375-73-5	mg/kg	0.01			ND	ND
Potassium perfluorobutanesulfonate*	29420-49-3	mg/kg	0.01				
Perfluorobutanesulfonic acid hydrate*	59933-66-3	mg/kg	0.01				
Tetraethylazanium nonafluorobutane-1-sulfonate*	25628-08-4	mg/kg	0.01				
Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate*	68259-10-9	mg/kg	0.01				
Perfluorobutanesulfonate*	45187-15-3	mg/kg	0.01				
Tetramethylammonium perfluorobutane sulfonate*	25628-17-5	mg/kg	0.01				
Sodium perfluorobutylsulfonate*	60453-92-1	mg/kg	0.01				
Lithium nonafluorobutanesulfonate*	131651-65-5	mg/kg	0.01				
Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate*	70225-18-2	mg/kg	0.01				

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 003
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide*	34454-97-2	mg/kg	0.01		
Perfluorobutanesulfonyl fluoride*	375-72-4	mg/kg	0.01		
Perfluorobutanesulphonyl chloride*	2991-84-6	mg/kg	0.01		
Zinc nonafluorobutanesulphonate*	502457-69-4	mg/kg	0.01		
Magnesium nonafluorobutanesulfonate*	507453-86-3	mg/kg	0.01		
Perfluoropentanoic acid	2706-90-3	mg/kg	0.01		
Sodium perfluorovalerate*	2706-89-0	mg/kg	0.01		
Potassium perfluoropentanoate*	336-23-2	mg/kg	0.01		
Nonafluoropentanoic acid, ammonium salt*	68259-11-0	mg/kg	0.01	ND	ND
Perfluoropentanoate*	45167-47-3	mg/kg	0.01		
Silver perfluoropentanoate*	2795-30-4	mg/kg	0.01		
Lithium perfluoropentanoate*	198482-22-3	mg/kg	0.01		
Perfluorohexanoic acid	307-24-4	mg/kg	0.01		
Sodium perfluorohexanoate*	2923-26-4	mg/kg	0.01		
Potassium perfluorohexanoate*	3109-94-2	mg/kg	0.01		
Ammonium undecafluorohexanoate*	21615-47-4	mg/kg	0.01		
Silver perfluorohexanoate*	336-02-7	mg/kg	0.01	ND	ND
Perfluorohexanoate*	92612-52-7	mg/kg	0.01		
Lithium perfluorohexanoate*	90430-61-8	mg/kg	0.01		
Undecafluorohexanoic acid-piperazine (1:1)*	423-47-2	mg/kg	0.01		
Undecafluorohexanoic acid--hexan-1-amine (1/1)*	565225-91-4	mg/kg	0.01		
7H-Dodecafluoroheptanoic acid	1546-95-8	mg/kg	0.01		
Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate*	376-34-1	mg/kg	0.01		
7-H-Perfluoroheptanoate*	69681-35-2	mg/kg	0.01		
Sodium 7H-perfluoroheptanoate*	2264-25-7	mg/kg	0.01		
Perfluoroheptanoic acid	375-85-9	mg/kg	0.01		
Sodium perfluoroheptanoate*	20109-59-5	mg/kg	0.01	ND	ND
Potassium perfluoroheptanoate*	21049-36-5	mg/kg	0.01		
Perfluoroheptanamide*	2358-22-7	mg/kg	0.01		
Ammonium perfluoroheptanoate*	6130-43-4	mg/kg	0.01		
Silver perfluoroheptanoate*	424-05-5	mg/kg	0.01		
Lithium perfluoroheptanoate*	60871-90-1	mg/kg	0.01		
Perfluoroheptanoate*	120885-29-2	mg/kg	0.01		
Cesium perfluoroheptanoate*	171198-24-6	mg/kg	0.01		
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonic acid	27619-97-2	mg/kg	0.01	ND	ND
6:2 Fluorotelomer sulfonate sodium salt*	27619-94-9	mg/kg	0.01		

Laboratory:

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

Building B,C, No. 1999 and Building D, No. 2059,
Duhui Road, Minhang District, Shanghai

Phone: +86 21 60376300

Fax: +86 21 60376350

<http://www.tuvsud.com>

Regd. Office:

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

Floor 11-12, No 151, Hengtong Road, Jing'an District, Shanghai

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 003
6:2 Fluorotelomer sulfonate barium salt*	1807944-82-6	mg/kg	0.01		
Potassium 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonate*	59587-38-1	mg/kg	0.01		
3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctane-1-sulfonate*	425670-75-3	mg/kg	0.01		
3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluoro-1-octanesulfonic Acid Ammonium Salt*	59587-39-2	mg/kg	0.01		
Perfluorohexanesulfonic acid	355-46-4	mg/kg	0.01	ND	ND
Sodium perfluorohexanesulfonate*	82382-12-5	mg/kg	0.01		
Potassium perfluorohexanesulfonate*	3871-99-6	mg/kg	0.01		
Perfluorohexanesulfonate*	108427-53-8	mg/kg	0.01		
Triethylammonium perfluorohexane sulfonate*	72033-41-1	mg/kg	0.01		
Tetraethylammonium perfluorohexane sulfonate*	108427-55-0	mg/kg	0.01		
Lithium perfluorohexanesulfonate*	55120-77-9	mg/kg	0.01		
Ammonium perfluorohexanesulfonate*	68259-08-5	mg/kg	0.01		
Bis(2-hydroxyethyl)ammonium perfluorohexanesulfonate*	70225-16-0	mg/kg	0.01		
Perfluorohexanesulfonic acid, zinc salt*	70136-72-0	mg/kg	0.01		
Perfluorohexanesulphonyl fluoride*	423-50-7	mg/kg	0.01		
Perfluorohexanesulfonic acid, cesium salt (1:1)*	92011-17-1	mg/kg	0.01		
Perfluorodecanoic acid	335-76-2	mg/kg	0.01	ND	ND
Sodium Perfluorodecanoate*	3830-45-3	mg/kg	0.01		
Ammonium perfluorodecanoate*	3108-42-7	mg/kg	0.01		
Nonadecafluorodecanoate*	73829-36-4	mg/kg	0.01		
Potassium perfluorodecanoate*	51604-85-4	mg/kg	0.01		
Lithium perfluorodecanoate*	84743-32-8	mg/kg	0.01		
Silver perfluorodecanoate*	5784-82-7	mg/kg	0.01		
Perfluorodecanesulfonic acid	335-77-3	mg/kg	0.01	ND	ND
Perfluorodecanesulfonate*	126105-34-8	mg/kg	0.01		
Sodium perfluorodecanesulfonate*	2806-15-7	mg/kg	0.01		
Perfluorodecanesulfonate potassium*	2806-16-8	mg/kg	0.01		
Perfluorodecanesulfonic acid ammonium salt*	67906-42-7	mg/kg	0.01	ND	ND
Perfluoroheptanesulfonic acid	375-92-8	mg/kg	0.01		
Sodium perfluoroheptane sulfonate*	21934-50-9	mg/kg	0.01		
Potassium perfluoroheptanesulfonate*	60270-55-5	mg/kg	0.01		
Perfluoroheptanesulfonate*	146689-46-5	mg/kg	0.01		
Lithium perfluoroheptanesulfonate*	117806-54-9	mg/kg	0.01		
Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate*	70225-15-9	mg/kg	0.01		
Ammonium perfluoroheptanesulfonate*	68259-07-4	mg/kg	0.01		

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 003
Triethylammonium perfluoroheptane sulfonate*	72033-40-0	mg/kg	0.01		
Perfluoropentanesulfonic acid	2706-91-4	mg/kg	0.01	ND	ND
Perfluoropentanesulfonate*	175905-36-9	mg/kg	0.01		
Potassium perfluoropentane-1-sulphonate*	3872-25-1	mg/kg	0.01		
Ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate*	68259-09-6	mg/kg	0.01		
Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate*	70225-17-1	mg/kg	0.01		
Sodium perfluoropentanesulfonate*	630402-22-1	mg/kg	0.01		
Triethylammonium perfluoropentane sulfonate*	72033-42-2	mg/kg	0.01		
Lithium perfluoropentane sulfonate*	1046864-81-6	mg/kg	0.01	ND	ND
Perfluoropropionic acid	422-64-0	mg/kg	0.01		
Sodium pentafluoropropionate*	378-77-8	mg/kg	0.01		
Potassium pentafluoropropionate*	378-76-7	mg/kg	0.01		
Silver perfluoropropanoate*	509-09-1	mg/kg	0.01		
Perfluoropropanoate*	44864-55-3	mg/kg	0.01		
Ammonium pentafluoropropionate*	2730-58-7	mg/kg	0.01		
Perfluoro-3,7-dimethyloctanoic acid	172155-07-6	mg/kg	0.01	ND	ND
2H,2H,3H,3H-Perfluoroundecanoic acid	34598-33-9	mg/kg	0.01	ND	ND
Potassium 1H,1H,2H,2H-perfluoroundecanoate*	83310-58-1	mg/kg	0.01		
Lithium 3-(perfluorooctyl)propanoate*	67304-23-8	mg/kg	0.01		
Perfluorooctanesulfonamide	754-91-6	mg/kg	0.01	ND	ND
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1)*	76752-82-4	mg/kg	0.01		
Perfluorooctanesulfonamide lithium salt (1:1)*	76752-79-9	mg/kg	0.01		
Perfluorooctanesulfonamide sodium salt (1:1)*	76752-78-8	mg/kg	0.01		
Perfluorooctanesulfonamide ammonium salt (1:1)*	76752-72-2	mg/kg	0.01		
Perfluorooctanesulfonamide potassium salt (1:1)*	76752-70-0	mg/kg	0.01	ND	ND
N-methylperfluorooctanesulfonamide	31506-32-8	mg/kg	0.01	ND	ND
N-Ethylperfluorooctanesulfonamide	4151-50-2	mg/kg	0.01	ND	ND
N-Methylperfluorooctanesulfonamidoethanol	24448-09-7	mg/kg	0.01	ND	ND
N-Ethyl-N-(2-hydroxyethyl)perfluorooctylsulphonamide	1691-99-2	mg/kg	0.01	ND	ND
Perfluoroundecanoic acid	2058-94-8	mg/kg	0.01	ND	ND
Perfluoroundecanoate*	196859-54-8	mg/kg	0.01		
Sodium perfluoroundecanoate*	60871-96-7	mg/kg	0.01		
Potassium perfluoroundecanoate*	30377-53-8	mg/kg	0.01		
Ammonium perfluoroundecanoate*	4234-23-5	mg/kg	0.01		
Calcium perfluoroundecanoate*	97163-17-2	mg/kg	0.01		
Perfluorododecanoic acid	307-55-1	mg/kg	0.01		
Ammonium perfluorododecanoate*	3793-74-6	mg/kg	0.01		

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 003
Perfluorododecanoate*	171978-95-3	mg/kg	0.01	ND	ND
Sodium Perfluorododecanoate*	60872-01-7	mg/kg	0.01		
Perfluorotridecanoic acid	72629-94-8	mg/kg	0.01		
Perfluorotridecanoate*	862374-87-6	mg/kg	0.01		
Ammonium perfluorotridecanoate*	4288-72-6	mg/kg	0.01		
Perfluorotetradecanoic acid*	376-06-7	mg/kg	0.01		
Perfluorotetradecanoate*	365971-87-5	mg/kg	0.01		
1H,1H,2H,2H-perfluorohexane sulfonate acid	757124-72-4	mg/kg	0.01	ND	ND
4:2 Fluorotelomer sulfonate*	414911-30-1	mg/kg	0.01		
Sodium 1H,1H,2H,2H-perfluoro-1-hexanesulfonate*	27619-93-8	mg/kg	0.01		
1H,1H,2H,2H-Perfluorodecanesulfonic acid	39108-34-4	mg/kg	0.01	ND	ND
2-(Perfluorooctyl)ethane-1-sulfonate*	481071-78-7	mg/kg	0.01		
8:2 Fluorotelomer sulfonate ammonium salt*	149724-40-3	mg/kg	0.01		
1H,1H,2H,2H-Perfluorodecanesulfonic Acid Sodium*	27619-96-1	mg/kg	0.01		
Potassium 2-(perfluorooctyl)ethane-1-sulfonate*	438237-73-1	mg/kg	0.01		
1H,1H,2H,2H-Perfluorododecane sulfonic acid	120226-60-0	mg/kg	0.01		
1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium*	108026-35-3	mg/kg	0.01		
Perfluorooctadecanoic acid	16517-11-6	mg/kg	0.01	ND	ND
Perfluorooctadecanoate anion*	798556-82-8	mg/kg	0.01		
Perfluorohexadecanoic acid	67905-19-5	mg/kg	0.01		
Hentriacontafluorohexadecanoate anion*	1214264-30-8	mg/kg	0.01	ND	ND
2H,2H Perfluorodecane Acid	27854-31-5	mg/kg	0.01		
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate*	882489-14-7	mg/kg	0.01		
N-methylperfluorooctane sulfonamidoacetic acid	2355-31-9	mg/kg	0.01	ND	ND
N-(Heptadecafluorooctylsulfonyl)-N-methylglycine potassium salt*	70281-93-5	mg/kg	0.01		
2-(N-Methylperfluorooctanesulfonamido)acetate*	909405-48-7	mg/kg	0.01		
N-ethylperfluorooctane sulfonamidoacetic acid	2991-50-6/1336-61-4	mg/kg	0.01		
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate*	2991-52-8	mg/kg	0.01		
2-(N-Ethyl-perfluorooctanesulfonamido)acetate*	909405-49-8	mg/kg	0.01		
Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate*	3871-50-9	mg/kg	0.01		
potassium N-ethyl-N-((heptadecafluorooctyl)sulphonyl)glycinate*	2991-51-7	mg/kg	0.01		
8:2 Fluorotelomer phosphate diester	678-41-1	mg/kg	0.01		

Laboratory:

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

Building B,C, No. 1999 and Building D, No. 2059,
Duhui Road, Minhang District, Shanghai

Phone: +86 21 60376300

Fax: +86 21 60376350

<http://www.tuvsud.com>

Regd. Office:

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

Floor 11-12, No 151, Hengtong Road, Jing'an District, Shanghai

Test Report

No.: 70.431.23.16121.01

Date: 2023-11-03



Compounds Name	CAS No	Unit	MDL	Limit	Result 003
Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate*	114519-85-6	mg/kg	0.01	ND	ND
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoic acid	13252-13-6	mg/kg	0.01		
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acid, its salts and its acyl halides (covering any of their individual isomers and combinations thereof)*	-	mg/kg	0.01		
Triethylaminium perfluoro-2-propoxypropanoate*	165951-18-8	mg/kg	0.01		
2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid-N-propylpropan-1-amine (1:1)*	165951-17-7	mg/kg	0.01		
Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate*	67118-55-2	mg/kg	0.01		
Ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate*	62037-80-3	mg/kg	0.01		
sodium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate*	67963-75-1	mg/kg	0.01		
2,3,3,3-Tetrafluoro-2-(perfluoropropoxy)propanoyl fluoride*	2062-98-8	mg/kg	0.01		
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-methyl-	68259-15-4	mg/kg	0.01	ND	ND
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-	41997-13-1	mg/kg	0.01	ND	ND
1H,1H,2H,2H-Perfluorohexan-1-ol	2043-47-2	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluoro-1-octanol	647-42-7	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorodecan-1-ol	678-39-7	mg/kg	0.2	ND	ND
1H,1H,2H,2H-Perfluorododecan-1-ol	865-86-1	mg/kg	0.2	ND	ND
H,1H,2H,2H-perfluorotetradecan-1-ol	39239-77-5	mg/kg	0.2	ND	ND
Conclusion					Pass

Note: * The test result is based on the calculation of selected marker(s) and to the worst-case scenario.

Remark:

1. The test results of the sample 002 is transferred from sample 002 of report 70.431.23.16030.
2. The test results of the sample 003 is transferred from sample 003 of report 70.431.23.16030.

-End of Test Report-