

Test Report

No.: TAOEC25012409605

Date: Jan 08, 2026

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Client Name: Jiangsu DINGS' Intelligent Control Technology Co., Ltd

Client Address: No. 2850 Luheng Road, Economic Development Zone, Changzhou, Jiangsu, 213025 China.

Sample Name: Stepper Lead Screw Linear Actuator/Stepper Ball Screw Linear Actuator/Linear Module/Gripper

Tested Basic Model No.: 11E2216R4-100SSSN-SZ

Tested Extended Model No.: 11C2110K4-050SMSSN-100SZ/ 11K2110A4-200SMSSN-170SZ/ 11N2110R4-135SMSSN-180SZ/11E2110B524-157RSN-030SZ/DLM150-11E2105A4-CTB-001SZ/DMEG06-11N2110R4-YJ

Client Ref. Information: E/N/C/K/BSIDLMDSM/DSLMDWM/DLG/DMEG

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

SGS Job No.: SHP25-043154

Sample Receiving Date: Dec 29, 2025

Testing Period: Dec 29, 2025 ~ Jan 06, 2026

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

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

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

| Test Requirement | Conclusion |
|---|------------|
| European Regulation POPs (EU) 2025/718 amending Regulation (EU) 2019/1021 Annex I - Perfluorooctanoic acid (PFOA) and its salts, PFOA-related compounds, Perfluorooctane sulfonic acid (PFOS) and its salts, PFOS-related compounds | Pass |
| European Regulation POPs (EU) 2023/1608 amending Regulation (EU) 2019/1021 Annex I-PFHxS, its salts and PFHxS related compounds | Pass |

Signed for and on behalf of
SGS-CSTC Standards Technical Services (Qingdao) Co., Ltd.

Alice Sun

Alice Sun

Approved Signatory

Scan to see the report



E6F4C868



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Test Result(s):

Photo of Submitted Sample



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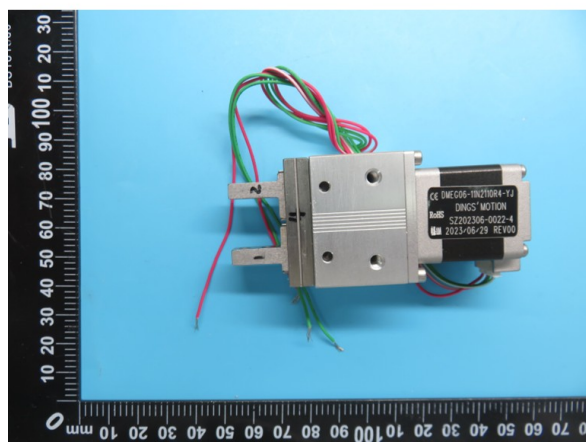
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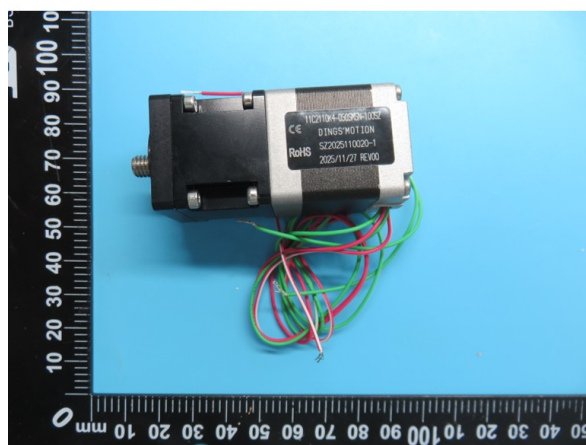
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DMEG06-11N2110R4-YJ

TAO25-0124096



11C2110K4-050SMSN-100SZ

TAO25-0124096



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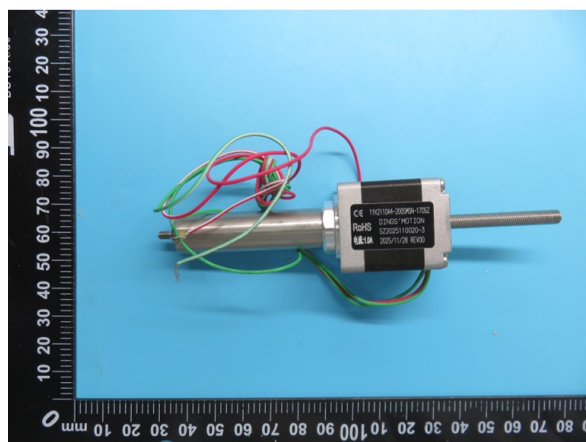
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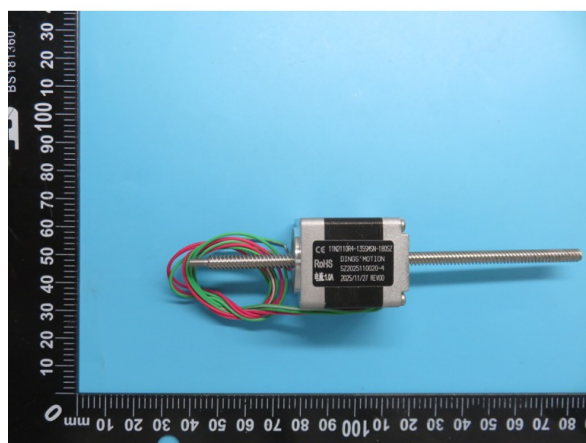
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11K2110A4-200SMN-170SZ

TAO25-0124096



11N2110R4-135SMN-180SZ

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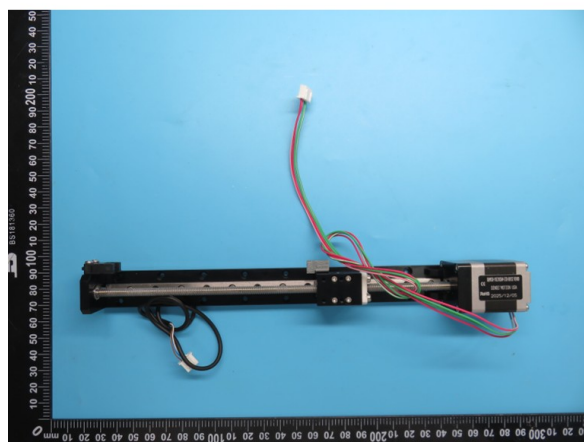
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DLM150-11E2105A4-CTB-001SZ

TAO25-0124096

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Test Part Description:

| SN ID | Sample No. | SGS Sample ID | Description |
|-------|------------|--------------------|---|
| SN1 | A1+B1 | TAO25-0124096-0008 | White plastic + Black plastic |
| SN2 | C1+D1 | TAO25-0124096-0009 | Transparent plastic + Transparent plastic |
| SN3 | E1+F1 | TAO25-0124096-0010 | Transparent plastic + Transparent plastic |
| SN4 | G1+G2 | TAO25-0124096-0011 | White plastic + White plastic |
| SN5 | G3+G4 | TAO25-0124096-0012 | Black plastic(jacket) + Black plastic |

Remarks:

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

**European Regulation POPs (EU) 2025/718 amending Regulation (EU) 2019/1021 Annex I -
Perfluorooctanoic acid (PFOA) and its salts, PFOA-related compounds, Perfluorooctane sulfonic acid
(PFOS) and its salts, PFOS-related compounds**

Test Method: Modified EN 17681-1:2025, analysis was performed by LC-MS or LC-MS/MS and GC-MS or GC-MS/MS.

| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1+B1 | C1+D1 | E1+F1 |
|--|-----------|-------|---------|-------|-------|-------|-------|
| PFOS, its salts | | | | | | | |
| Perfluorooctane sulfonic acid (PFOS), its salts^ | 1763-23-1 | 0.025 | mg/kg | 0.010 | ND | ND | ND |
| PFOS-related compounds | | | | | | | |



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| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1+B1 | C1+D1 | E1+F1 |
|--|------------|-------|---------|-------|-------|-------|-------|
| N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA) | 4151-50-2 | - | mg/kg | 0.010 | ND | ND | ND |
| N-methylperfluoro-1-octanesulfonamide (N-MeFOSA) | 31506-32-8 | - | mg/kg | 0.010 | ND | ND | ND |
| 2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE) | 1691-99-2 | - | mg/kg | 0.010 | ND | ND | ND |
| 2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE) | 24448-09-7 | - | mg/kg | 0.010 | ND | ND | ND |
| Perfluorooctane sulfonamide (PFOSA), its salts^ | 754-91-6 | - | mg/kg | 0.010 | ND | ND | ND |
| Perfluorooctane sulfonamidoacetic Acid (FOSAA), its salts^ | 2806-24-8 | - | mg/kg | 0.010 | ND | ND | ND |
| N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA), its salts^ | 2355-31-9 | - | mg/kg | 0.010 | ND | ND | ND |
| N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA), its salts^ | 2991-50-6 | - | mg/kg | 0.010 | ND | ND | ND |
| 2-(N-ethylperfluorooctanesulfamido)ethyl acrylate (EtFOSAC) | 423-82-5 | - | mg/kg | 0.200 | ND | ND | ND |
| Sum of PFOS-related compounds | - | 1 | mg/kg | - | ND | ND | ND |



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| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1+B1 | C1+D1 | E1+F1 |
|---|-------------|-------|---------|-------|-------|-------|-------|
| PFOA, its salts | | | | | | | |
| Perfluorooctanoic acid (PFOA), its salts [^] | 335-67-1 | 0.025 | mg/kg | 0.010 | ND | ND | ND |
| PFOA-related compounds | | | | | | | |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS), its salts [^] | 39108-34-4 | 1 | mg/kg | 0.010 | ND | ND | ND |
| Methyl perfluorooctanoate (Me-PFOA) | 376-27-2 | 1 | mg/kg | 0.200 | ND | ND | ND |
| Ethyl perfluorooctanoate (Et-PFOA) | 3108-24-5 | 1 | mg/kg | 0.200 | ND | ND | ND |
| 1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) | 27905-45-9 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) | 1996-88-9 | 1 | mg/kg | 0.100 | ND | ND | ND |
| Perfluoro-1-iodooctane (PFOI) | 507-63-1 | 1 | mg/kg | 0.200 | ND | ND | ND |
| 2H,2H-Perfluorodecane Acid (8:2 FTCA), its salts [^] | 27854-31-5 | 1 | mg/kg | 0.010 | ND | ND | ND |
| 1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) | 678-39-7 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI) | 2043-53-0 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi(OC ₂ H ₅) ₃) | 101947-16-4 | 1 | mg/kg | 0.100 | ND | ND | ND |
| bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl) hydrogen phosphate (8:2 diPAP), its salts [^] | 678-41-1 | 1 | mg/kg | 0.010 | ND | ND | ND |
| 2H,2H,3H,3H-Perfluoroundecan | 34598-33-9 | 1 | mg/kg | 0.010 | ND | ND | ND |



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|---|------------------------|-------|---------|-------|-------|-------|-------|
| oic Acid (8:3 FTCA), its salts [^] | | | | | | | |
| 1H,1H,2H-Heptadecafluoro-1-decene (PFDE) | 21652-58-4 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 3-Perfluoroheptyl propanoic acid (7:3 FTCA) | 812-70-4 | 1 | mg/kg | 0.010 | ND | ND | ND |
| 1H,1H,2H,2H-Perfluorodecyltric hlorosilane (8:2 FTSiCl ₃)/1H,1H,2H,2H-Perfluorodecyltrim ethoxysilane (8:2 FTSi(OCH ₃) ₃) | 78560-44-8 /83048-65-1 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 2H-Perfluoro-2-decenoic acid (8:2 FTUCA) | 70887-84-2 | 1 | mg/kg | 0.010 | ND | ND | ND |
| 6:8 Perfluorophosphi nic acid (6:8 PFPI) | 610800-34-5 | 1 | mg/kg | 0.010 | ND | ND | ND |
| 8:8 Perfluorophosphi nic acid (8:8 PFPI), its salts [^] | 40143-79-1 | 1 | mg/kg | 0.010 | ND | ND | ND |
| 1H,1H,2H,2H-perfluorodecyl acetate (8:2 FTOAc) | 37858-04-1 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 8:2 Fluorotelomer phosphate monoester (8:2 monoPAP), its salts [^] | 57678-03-2 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) | 865-86-1 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 1H,1H,2H,2H-perfluorotetradec an-1-ol (12:2 FTOH) | 39239-77-5 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 1H,1H,2H,2H-Perfluorododecan e sulfonic acid (10:2 FTS), its salts [^] | 120226-60-0 | 1 | mg/kg | 0.100 | ND | ND | ND |



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|--|------------|-------|---------|-------|-------------|-------------|-------------|
| 10:2 Fluortelomerphosphatediester (10:2 diPAP), its salts [^] | 1895-26-7 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA) | 70887-94-4 | 1 | mg/kg | 0.010 | ND | ND | ND |
| 2-Perfluorodecyl ethanoic acid (10:2 FTCA) | 53826-13-4 | 1 | mg/kg | 0.010 | ND | ND | ND |
| 10:2 Fluortelomerphosphatemonoester (10:2 monoPAP), its salts [^] | 57678-05-4 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA) | 17741-60-5 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA) | 2144-54-9 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 1,1,2,2-Tetrahydroperfluorododecyl iodide (10:2 FTI) | 2043-54-1 | 1 | mg/kg | 0.100 | ND | ND | ND |
| 1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI) | 30046-31-2 | 1 | mg/kg | 0.100 | ND | ND | ND |
| Perfluorodecyl iodide (PFDI) | 423-62-1 | 1 | mg/kg | 0.100 | ND | ND | ND |
| Perfluorododecyl iodide (PFDoDI) | 307-60-8 | 1 | mg/kg | 0.100 | ND | ND | ND |
| Sum of PFOA-related compounds | - | 1 | mg/kg | - | ND | ND | ND |
| Conclusion | | | | | Pass | Pass | Pass |

| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | G1+G2 | G3+G4 |
|--|-----------|-------|---------|-------|-------|-------|
| PFOS, its salts | | | | | | |
| Perfluorooctane sulfonic acid (PFOS), its salts [^] | 1763-23-1 | 0.025 | mg/kg | 0.010 | ND | ND |
| PFOS-related compounds | | | | | | |
| N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA) | 4151-50-2 | - | mg/kg | 0.010 | ND | ND |



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|---|------------|-------|---------|-------|-------|-------|
| N-methylperfluoro-1-octanesulfonamide (N-MeFOSA) | 31506-32-8 | - | mg/kg | 0.010 | ND | ND |
| 2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE) | 1691-99-2 | - | mg/kg | 0.010 | ND | ND |
| 2-(N-methylperfluoro-1-octanesulfonamido)-ethanol (N-MeFOSE) | 24448-09-7 | - | mg/kg | 0.010 | ND | ND |
| Perfluorooctane sulfonamide (PFOSA), its salts^ | 754-91-6 | - | mg/kg | 0.010 | ND | ND |
| Perfluorooctane sulfonamidacetic Acid (FOSAA), its salts^ | 2806-24-8 | - | mg/kg | 0.010 | ND | ND |
| N-Methylperfluoro-1-octanesulfonamidacetic Acid (N-MeFOSAA), its salts^ | 2355-31-9 | - | mg/kg | 0.010 | ND | ND |
| N-Ethylperfluorooctane sulfonamidacetic Acid (N-EtFOSAA), its salts^ | 2991-50-6 | - | mg/kg | 0.010 | ND | ND |
| 2-(N-ethylperfluorooctanesulfamido)ethyl acrylate (EtFOSAC) | 423-82-5 | - | mg/kg | 0.200 | ND | ND |
| Sum of PFOS-related compounds | - | 1 | mg/kg | - | ND | ND |
| PFOA, its salts | | | | | | |
| Perfluorooctanoic acid (PFOA), its salts^ | 335-67-1 | 0.025 | mg/kg | 0.010 | ND | ND |



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| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | G1+G2 | G3+G4 |
|---|-------------|-------|---------|-------|-------|-------|
| PFOA-related compounds | | | | | | |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS), its salts [^] | 39108-34-4 | 1 | mg/kg | 0.010 | ND | ND |
| Methyl perfluorooctanoate (Me-PFOA) | 376-27-2 | 1 | mg/kg | 0.200 | ND | ND |
| Ethyl perfluorooctanoate (Et-PFOA) | 3108-24-5 | 1 | mg/kg | 0.200 | ND | ND |
| 1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) | 27905-45-9 | 1 | mg/kg | 0.100 | ND | ND |
| 1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) | 1996-88-9 | 1 | mg/kg | 0.100 | ND | ND |
| Perfluoro-1-iodooctane (PFOI) | 507-63-1 | 1 | mg/kg | 0.200 | ND | ND |
| 2H,2H-Perfluorodecane Acid (8:2 FTCA), its salts [^] | 27854-31-5 | 1 | mg/kg | 0.010 | ND | ND |
| 1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) | 678-39-7 | 1 | mg/kg | 0.100 | ND | ND |
| 1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI) | 2043-53-0 | 1 | mg/kg | 0.100 | ND | ND |
| 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTS(OC ₂ H ₅) ₃) | 101947-16-4 | 1 | mg/kg | 0.100 | ND | ND |
| bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl) hydrogen phosphate (8:2 diPAP), its salts [^] | 678-41-1 | 1 | mg/kg | 0.010 | ND | ND |
| 2H,2H,3H,3H-Perfluoroundecanoic Acid (8:3 FTCA), its salts [^] | 34598-33-9 | 1 | mg/kg | 0.010 | ND | ND |



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| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | G1+G2 | G3+G4 |
|---|------------------------|-------|---------|-------|-------|-------|
| 1H,1H,2H-Heptadecafluoro-1-decene (PFDE) | 21652-58-4 | 1 | mg/kg | 0.100 | ND | ND |
| 3-Perfluoroheptyl propanoic acid (7:3 FTCA) | 812-70-4 | 1 | mg/kg | 0.010 | ND | ND |
| 1H,1H,2H,2H-Perfluorodecyltrichlorosilane (8:2 FTSiCl ₃)/1H,1H,2H,2H-Perfluorodecyltrimethoxysilane (8:2 FTSi(OCH ₃) ₃) | 78560-44-8 /83048-65-1 | 1 | mg/kg | 0.100 | ND | ND |
| 2H-Perfluoro-2-decenoic acid (8:2 FTUCA) | 70887-84-2 | 1 | mg/kg | 0.010 | ND | ND |
| 6:8 Perfluorophosphonic acid (6:8 PFPI) | 610800-34-5 | 1 | mg/kg | 0.010 | ND | ND |
| 8:8 Perfluorophosphonic acid (8:8 PFPI), its salts^ | 40143-79-1 | 1 | mg/kg | 0.010 | ND | ND |
| 1H,1H,2H,2H-perfluorodecyl acetate (8:2 FTOAc) | 37858-04-1 | 1 | mg/kg | 0.100 | ND | ND |
| 8:2 Fluorotelomer phosphate monoester (8:2 monoPAP), its salts^ | 57678-03-2 | 1 | mg/kg | 0.100 | ND | ND |
| 1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH) | 865-86-1 | 1 | mg/kg | 0.100 | ND | ND |
| 1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH) | 39239-77-5 | 1 | mg/kg | 0.100 | ND | ND |
| 1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS), its salts^ | 120226-60-0 | 1 | mg/kg | 0.100 | ND | ND |
| 10:2 Fluorotelomerphos | 1895-26-7 | 1 | mg/kg | 0.100 | ND | ND |



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| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | G1+G2 | G3+G4 |
|---|------------|-------|---------|-------|-------------|-------------|
| phatediester (10:2 diPAP), its salts [^] | | | | | | |
| 2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA) | 70887-94-4 | 1 | mg/kg | 0.010 | ND | ND |
| 2-Perfluorodecyl ethanoic acid (10:2 FTCA) | 53826-13-4 | 1 | mg/kg | 0.010 | ND | ND |
| 10:2 Fluortelomerphos phatemonoester (10:2 monoPAP), its salts [^] | 57678-05-4 | 1 | mg/kg | 0.100 | ND | ND |
| 1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA) | 17741-60-5 | 1 | mg/kg | 0.100 | ND | ND |
| 1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA) | 2144-54-9 | 1 | mg/kg | 0.100 | ND | ND |
| 1,1,2,2-Tetrahydroperfluorododecyl iodide (10:2 FTI) | 2043-54-1 | 1 | mg/kg | 0.100 | ND | ND |
| 1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI) | 30046-31-2 | 1 | mg/kg | 0.100 | ND | ND |
| Perfluorodecyl iodide (PFDI) | 423-62-1 | 1 | mg/kg | 0.100 | ND | ND |
| Perfluorododecyl iodide (PFDoDI) | 307-60-8 | 1 | mg/kg | 0.100 | ND | ND |
| Sum of PFOA-related compounds | - | 1 | mg/kg | - | ND | ND |
| Conclusion | | | | | Pass | Pass |

Notes:

- (1) According to Regulation (EU) 2025/718 amending Regulation (EU) 2019/1021 Annex I, the concentrations of PFOS or any of its salts equal to or below 0,025 mg/kg (0,000025 % by weight) and all PFOS-related compounds equal to or below 1 mg/kg (0,0001 % by weight) where they are present in substances, mixtures or in articles. Date of applicability: From 3 December 2025.
- (2) [^]=Substances refer to its salts/derivative listed in below table.

| Substance Name | CAS No. |
|--|------------|
| PFOS, its salts & derivatives | |
| Perfluorooctane sulfonic acid (PFOS) | 1763-23-1 |
| Potassium Perfluorooctanesulfonate (PFOS-K) | 2795-39-3 |
| Perfluorooctanesulfonic acid, lithium salt (PFOS-Li) | 29457-72-5 |
| Sodium perfluorooctanesulfonate (PFOS-Na) | 4021-47-0 |



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| Ammonium perfluorooctanesulfonate (PFOS-NH ₄) | 29081-56-9 |
| Perfluorooctane sulfonate diethanolamine salt (PFOS-NH ₂ (C ₂ H ₄ OH) ₂) | 70225-14-8 |
| Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄) | 56773-42-3 |
| N-decyl-N,N-dimethyldecyl-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-N(C ₁₀ H ₂₁) ₂ (CH ₃) ₂) | 251099-16-8 |
| TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N(C ₄ H ₉) ₄) | 111873-33-7 |
| Perfluorooctane Sulfonyl fluoride (PFOS-F) | 307-35-7 |
| Magnesium bis(heptadecafluorooctanesulphonate) (PFOS-Mg) | 91036-71-4 |
| Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate | 71463-74-6 |
| Perfluorooctanesulfonate | 45298-90-6 |
| Triethylammonium perfluorooctane sulfonate (PFOS-NH(C ₂ H ₅) ₃) | 54439-46-2 |
| Tetramethylammonium perfluorooctane sulfonate (PFOS-N(CH ₃) ₄) | 56773-44-5 |
| N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C ₃ H ₇) ₃ (C ₅ H ₁₁)) | 56773-56-9 |
| N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C ₄ H ₉) ₃ (CH ₃)) | 124472-68-0 |
| Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1) | 213740-80-8 |
| Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate | 258341-99-0 |
| 1-Hexadecylpyridinium perfluoro-1-octanesulfonate | 334529-63-4 |
| N,N,N-Triethyldecyl-1-aminium heptadecafluorooctane-1-sulfonate | 773895-92-4 |
| Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P (C ₄ H ₉) ₄) | 2185049-59-4 |
| Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N) | 2205029-08-7 |
| heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium heptadecafluorooctane-1-sulfonate (PFOS-C ₁₅ H ₃₀ NO ₂) | 1203998-97-3 |
| Perfluorooctane sulfonic anhydride (PFOSAN) | 423-92-7 |
| Perfluoro-1-octanesulfonyl chloride (PFOS-Cl) | 423-60-9 |
| FOSAA, its salts | |
| Perfluorooctane sulfonamidoacetic Acid (FOSAA) | 2806-24-8 |
| N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion)) | 909405-47-6 |
| N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K) | 75260-69-4 |
| N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na) | 115716-87-5 |
| N-MeFOSAA, its salts | |
| N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA) | 2355-31-9 |
| 2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion)) | 909405-48-7 |
| Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K) | 70281-93-5 |
| N-EtFOSAA, its salts | |
| N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA) | 2991-50-6 |
| Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N- | 2991-51-7 |



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| Et-FOSAA-K) | |
| 2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion)) | 909405-49-8 |
| Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH ₄) | 2991-52-8 |
| Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na) | 3871-50-9 |
| PFOSA, its salts | |
| Perfluorooctane Sulfonamide (PFOSA) | 754-91-6 |
| Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li) | 76752-79-9 |
| Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na) | 76752-78-8 |
| Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K) | 76752-70-0 |
| Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH ₄) | 76752-72-2 |
| Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N) | 76752-82-4 |
| PFOA, its salts & derivatives | |
| Perfluorooctanoic acid (PFOA) | 335-67-1 |
| Sodium perfluorooctanoate (PFOA-Na) | 335-95-5 |
| Potassium perfluorooctanoate (PFOA-K) | 2395-00-8 |
| Silver perfluorooctanoate (PFOA-Ag) | 335-93-3 |
| Perfluorooctanoyl fluoride (PFOA-F) | 335-66-0 |
| Ammonium pentadecafluorooctanoate (APFO) | 3825-26-1 |
| Lithium perfluorooctanoate (PFOA-Li) | 17125-58-5 |
| Cobalt perfluorooctanoate (PFOA-Co) | 35965-01-6 |
| Cesium perfluorooctanoate (PFOA-Cs) | 17125-60-9 |
| Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+) (PFOA-Cr(3+)) | 68141-02-6 |
| Pentadecafluorooctanoic acid--piperazine (2/1) (PFOA-NH(C ₄ H ₁₀ N)) | 423-52-9 |
| Pentadecafluorooctanoate (anion) | 45285-51-6 |
| Perfluorooctanoic Anhydride | 33496-48-9 |
| N,N,N-Triethylethanaminium perfluorooctanoate | 98241-25-9 |
| Perfluorooctanoate N,N,N-Trimethylmethanaminium | 32609-65-7 |
| Tetrapropylammonium perfluorooctanoate | 277749-00-5 |
| Potassium pentadecafluorooctanoate--water (1/1/2) (PFOA-K(H ₂ O) ₂) | 98065-31-7 |
| Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N) | 1376936-03-6 |
| Pentadecafluorooctanoic acid--pyridine (1/1) (PFOA-C ₅ H ₅ N) | 95658-47-2 |
| pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-C ₁₀ H ₁₄ N ₂) | 1514-68-7 |
| N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-C ₁₁ H ₂₆ N) | 927835-01-6 |
| Pentadecafluorooctanoyl chloride (PFOA-Cl) | 335-64-8 |
| Perfluorooctanoyl Bromide (PFOA-Br) | 222037-87-8 |
| 8:2 FTS, its salts | |
| 1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS) | 39108-34-4 |



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| Potassium 1H,1H,2H,2H-Perfluorododecane sulfonate (8:2 FTS-K) | 438237-73-1 |
| Ammonium 1H,1H,2H,2H-Perfluorododecane sulfonate (8:2 FTS-NH ₄) | 149724-40-3 |
| Sodium 1H,1H,2H,2H-Perfluorododecane sulfonate (8:2 FTS-Na) | 27619-96-1 |
| 2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion)) | 481071-78-7 |
| 2-(Perfluorooctyl)ethanesulfonyl chloride (8:2 FTS-Cl) | 27619-90-5 |
| 8:2 FTCA, its salts | |
| 2H,2H-Perfluorodecane Acid (8:2 FTCA) | 27854-31-5 |
| Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C ₄ H ₉) ₄) | 882489-14-7 |
| 8:2diPAP, its salts | |
| Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2diPAP) | 678-41-1 |
| Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na) | 114519-85-6 |
| Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate | 57677-97-1 |
| Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH ₄) | 93776-20-6 |
| 8:2 Fluorotelomer phosphate diester ion (1-) | 1411713-91-1 |
| 8:3 FTCA, its salts | |
| 2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA) | 34598-33-9 |
| Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K) | 83310-58-1 |
| 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li) | 67304-23-8 |
| 8:8 PFPI, its salts | |
| 8:8 Perfluorophosphinic acid (8:8 PFPI) | 40143-79-1 |
| Bis(heptadecafluorooctyl)phosphinic Acid Sodium Salt (8:8 PFPI-Na) | 500776-69-2 |
| Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPI-Er) | 500776-70-5 |
| Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPI-Yb) | 500776-71-6 |
| 8:2 monoPAP, its salts | |
| 8:2 Fluorotelomer phosphate monoester (8:2 monoPAP) | 57678-03-2 |
| 8:2 Fluorotelomer diammonium phosphate | 93857-44-4 |
| Disodium 1H,1H,2H,2H-perfluorodecylphosphate | 438237-75-3 |
| Ammonium bis[2-(perfluorohexyl)ethyl] phosphate | 1764-95-0 |
| 3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol phosphate ammonium salt | 92401-44-0 |
| Sodium 1H,1H,2H,2H-perfluorooctylphosphate | 144965-22-0 |
| Monopotassium monoperfluorohexyl ethylphosphate | 150033-28-6 |
| Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate | 2353-52-8 |
| 10:2 FTS, its salts | |
| 1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS) | 120226-60-0 |
| 1H,1H,2H,2H-Perfluorododecanesulfonic Acid Sodium (10:2 FTS-Na) | 108026-35-3 |
| 2-(Perfluorodecyl)ethane-1-sulfonyl chloride (10:2 FTS-Cl) | 27619-91-6 |
| 10:2 diPAP, its salts | |
| 10:2 Fluorotelomerphosphatediester (10:2 diPAP) | 1895-26-7 |
| Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol | 57677-98-2 |



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| | |
|---|--------------|
| (10:2 diPAP-C ₄ H ₁₁ O ₂) | |
| 10:2 monoPAP, its salts | |
| 10:2 Fluortelomerphosphatemonoester (10:2 monoPAP) | 57678-05-4 |
| 10:2 Fluortelomer diammonium dihydrogen phosphate | 93857-45-5 |
| 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10, 11,11,12,12,12-Henicosafuorododecyl dihydrogen phosphate cyclohexylamine | 2514858-66-1 |

(3) The conclusion is only applicable to the substance list in the report.

European Regulation POPs (EU) 2023/1608 amending Regulation (EU) 2019/1021 Annex I-PFHxS, its salts and PFHxS related compounds

Test Method: Modified EN 17681-1:2025, analysis was performed by LC-MS or LC-MS/MS and GC-MS or GC-MS/MS.

| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1+B1 | C1+D1 | E1+F1 |
|--|------------|-------|---------|-------|-------|-------|-------|
| PFHxS, its salts | | | | | | | |
| Perfluorohexanesulfonic acid (PFHxS), its salts [^] | 355-46-4 | 0.025 | mg/kg | 0.010 | ND | ND | ND |
| PFHxS-related compounds | | | | | | | |
| N-Methylperfluoro-1-hexanesulfonamide (N-Me-PFHxSA) | 68259-15-4 | 1 | mg/kg | 0.010 | ND | ND | ND |
| Perfluorohexane sulfonamide (PFHxSA) | 41997-13-1 | 1 | mg/kg | 0.010 | ND | ND | ND |
| N-[3-(dimethylamino)propyl]tridecafluorohexanesulphonamide (N-AP-FHxSA) | 50598-28-2 | 1 | mg/kg | 0.010 | ND | ND | ND |
| 2-[methyl[(tridecafluorohexyl)sulphonyl]amino]ethyl acrylate)) (N-MeFHSEA) | 67584-57-0 | 1 | mg/kg | 0.200 | ND | ND | ND |
| 2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl | 67584-61-6 | 1 | mg/kg | 0.200 | ND | ND | ND |



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| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | A1+B1 | C1+D1 | E1+F1 |
|--|------------|-------|---------|-------|-------------|-------------|-------------|
|)sulfonyl]amino]ethyl ester | | | | | | | |
| 2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester | 67906-70-1 | 1 | mg/kg | 0.200 | ND | ND | ND |
| 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-(MeFHxSE) | 68555-75-9 | 1 | mg/kg | 0.010 | ND | ND | ND |
| Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl] (EtFHxSAA), its salts^ | 68957-32-4 | 1 | mg/kg | 0.010 | ND | ND | ND |
| Sum of PFHxS-related compounds | - | 1 | mg/kg | - | ND | ND | ND |
| Conclusion | | | | | Pass | Pass | Pass |

| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | G1+G2 | G3+G4 |
|---|------------|-------|---------|-------|-------|-------|
| PFHxS, its salts | | | | | | |
| Perfluorohexanesulfonic acid (PFHxS), its salts^ | 355-46-4 | 0.025 | mg/kg | 0.010 | ND | ND |
| PFHxS-related compounds | | | | | | |
| N-Methylperfluoro-1-hexanesulfonamide (N-Me-PFHxSA) | 68259-15-4 | 1 | mg/kg | 0.010 | ND | ND |
| Perfluorohexane sulfonamide (PFHxSA) | 41997-13-1 | 1 | mg/kg | 0.010 | ND | ND |
| N-[3-(dimethylamino)propyl] | 50598-28-2 | 1 | mg/kg | 0.010 | ND | ND |



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| Test Item(s) | CAS No. | Limit | Unit(s) | MDL | G1+G2 | G3+G4 |
|---|------------|-------|---------|-------|-------------|-------------|
| tridecafluorohexanesulphonamide (N-AP-FHxSA) | | | | | | |
| 2-[methyl[(tridecafluorohexyl)sulphonyl]amino]ethyl acrylate)) (N-MeFHSEA) | 67584-57-0 | 1 | mg/kg | 0.200 | ND | ND |
| 2-Propenoic acid, 2-methyl-, 2-[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester | 67584-61-6 | 1 | mg/kg | 0.200 | ND | ND |
| 2-Propenoic acid, 2-methyl-, 2-[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl]amino]ethyl ester | 67906-70-1 | 1 | mg/kg | 0.200 | ND | ND |
| 1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-(MeFHxSE) | 68555-75-9 | 1 | mg/kg | 0.010 | ND | ND |
| Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl] (EtFHxSAA), its salts^ | 68957-32-4 | 1 | mg/kg | 0.010 | ND | ND |
| Sum of PFHxS-related compounds | - | 1 | mg/kg | - | ND | ND |
| Conclusion | | | | | Pass | Pass |

Notes:

(1) Commission Delegated Regulation (EU) 2023/1608 of May 30, 2023, amending Regulation (EU) 2019/1021 Annex I as regard the listing of perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds, Official Journal of the EU, August 8, 2023.



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| Substance | Scope | Specific exemption on intermediate use or other specification |
|--|----------------------------------|---|
| PFHxS and its salts | Substances, mixtures or articles | ≤ 0.025 mg/kg |
| PFHxS-related compounds | Substances, mixtures or articles | ≤ 1 mg/kg (individual or sum of all) |
| PFHxS, its salts and PFHxS-related compounds | Concentrated firefighting foam | ≤ 0.1 mg/kg (to be reviewed within three years after entry into force of this amending regulation with a view to lower the limit) |

(2) The tested perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds refer to the "Listed under the POPs Regulation" of ECHA, please find more information via below weblink:
<https://echa.europa.eu/list-of-substances-proposed-as-pops>

(3) ^=Substances refer to its salts/derivative listed in below table

| Substance Name | CAS No. |
|---|--------------|
| PFHxS, its salts & derivatives | |
| Perfluorohexanesulfonic acid (PFHxS) | 355-46-4 |
| Perfluorohexanesulfonate Na-salt (PFHxS-Na) | 82382-12-5 |
| Perfluorohexanesulfonate K-salt (PFHxS-K) | 3871-99-6 |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1) (PFHxS-Li) | 55120-77-9 |
| Ammonium perfluorohexane-1-sulphonate (PFHxS-NH ₄) | 68259-08-5 |
| Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-BTPP) | 1000597-52-3 |
| N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate(PFHxS-N(C ₄ H ₉) ₄) | 108427-54-9 |
| N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate(PFHxS-N(C ₂ H ₅) ₄) | 108427-55-0 |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1) (PFHxS-NC ₄ H ₉) | 1187817-57-7 |
| Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (Calculated in terms of PFHxS) (PFHxS-(NC ₁₀ H ₁₄) ₃ C ₅ H ₄) | 1310480-24-0 |
| Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-(NC ₈ H ₁₀) ₂ C ₁₃ H ₁₂) | 1310480-27-3 |
| Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-(NC ₈ H ₁₀) ₂ C ₁₇ H ₁₂) | 1310480-28-4 |



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| Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1) (PFHxS-C ₄₂ H ₇₀ O ₃₅) | 1329995-45-0 |
| Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)(PFHxS-C ₄₈ H ₈₀ O ₄₀) | 1329995-69-8 |
| Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (TPS-PFHxS) | 144116-10-9 |
| Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-C ₄₄ H ₃₇ N ₂ O ₂) | 1462414-59-0 |
| Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-I(C ₆ H ₅) ₂) | 153443-35-7 |
| Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (PFHxS-TMA) | 189274-31-5 |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1)(PFHxS-NH ₂ (CH ₃) ₃) | 202189-84-2 |
| Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂) | 213740-81-9 |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)(PFHxS-Ga) | 341035-71-0 |
| Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C ₇ H ₇) ₂ C ₆ H ₅) | 341548-85-4 |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)(PFHxS-Sc) | 350836-93-0 |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)(PFHxS-Nd) | 41184-65-0 |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt (3:1)(PFHxS-Y) | 41242-12-0 |
| Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)(PFHxS-S ₃ (C ₆ H ₅) ₄ (C ₆ H ₄) ₂) | 421555-73-9 |
| Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic(PFHxS-I(C ₆ H ₄) ₂ (C ₅ H ₁₁)) | 421555-74-0 |
| Perfluorohexane sulphonyl fluoride(PFHxS-F) | 423-50-7 |
| Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C ₆ H ₄) ₃ (C ₄ H ₉) ₃) | 425670-70-8 |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn) | 70136-72-0 |
| Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)(PFHxS-NH(C ₂ H ₅ O) ₂) | 70225-16-0 |
| 1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)(PFHxS-N(C ₂ H ₅) ₃) | 72033-41-1 |
| Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with | 866621-50-3 |



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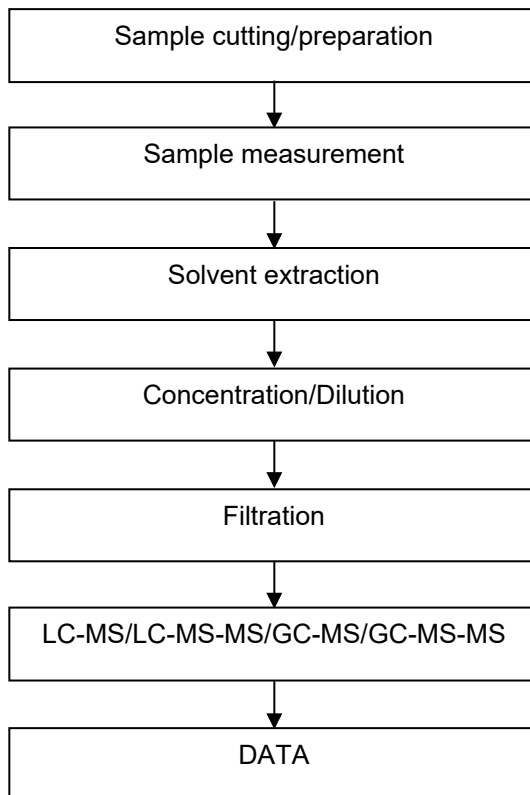
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PFASs/ PFOS/PFOA Testing Flow Chart



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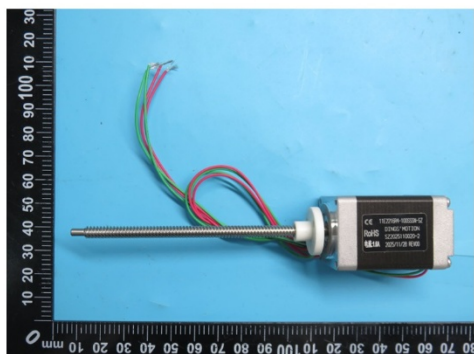
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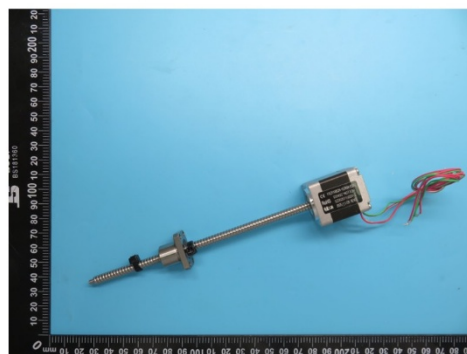
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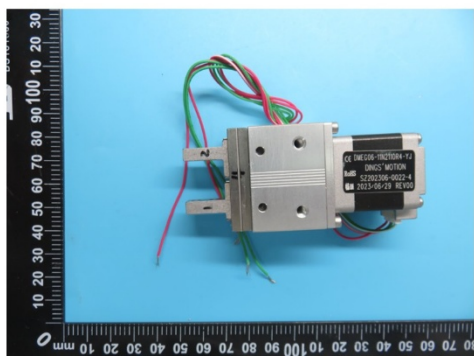
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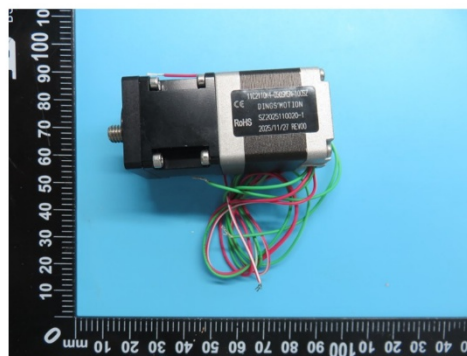
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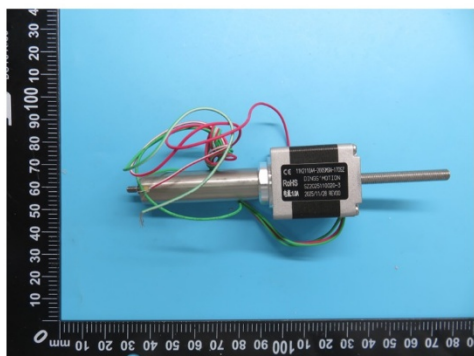
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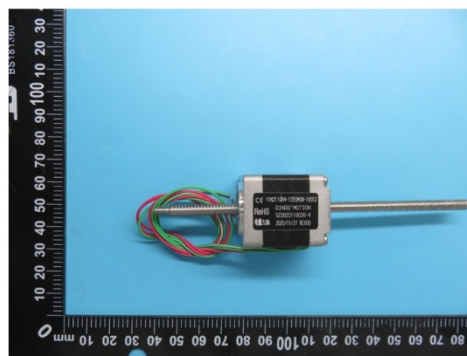
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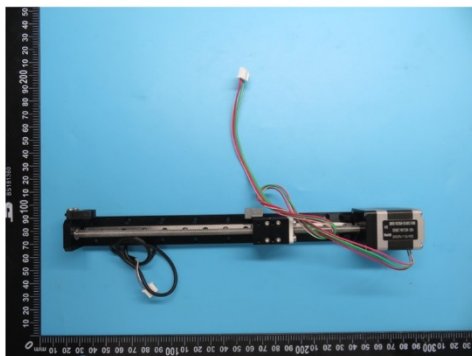
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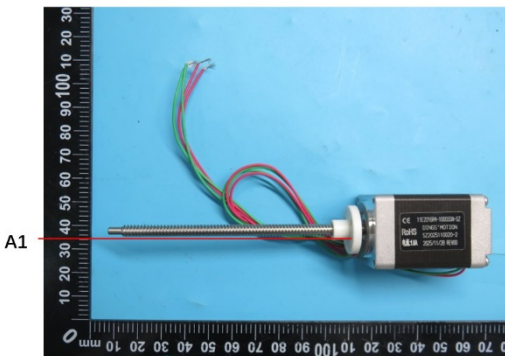
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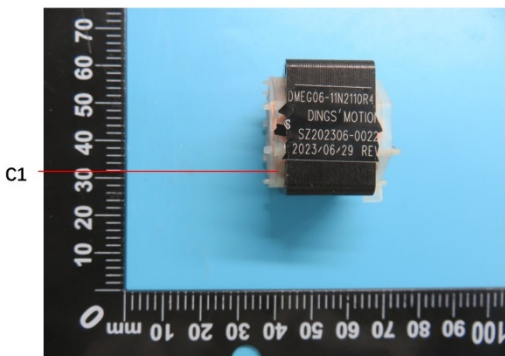
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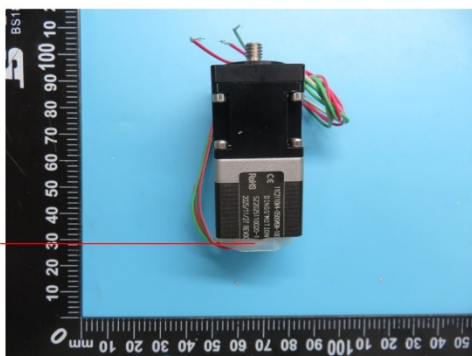
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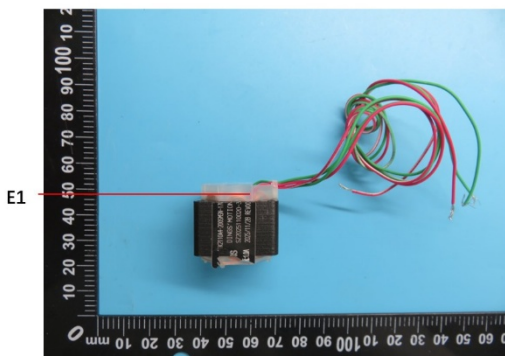
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C1



D1



E1



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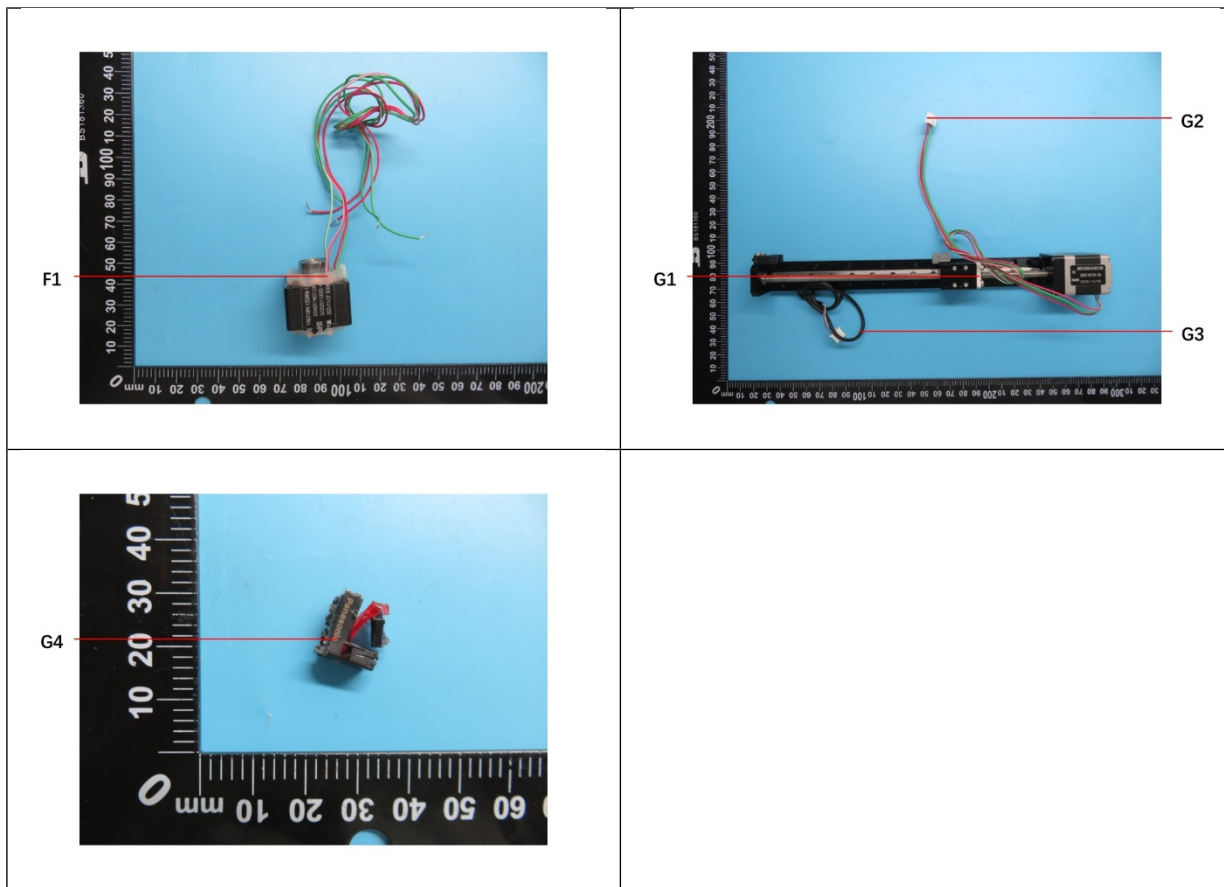
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