Test Report

No.: ETR26A05153M01 Date: 06-Nov-2026

HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

The following sample(s) was/were submitted and identified by the applicant as:

Sample Name	:	REEL
Style/Item No.	:	CONDUCTIVE/ANTI-STATIC
Sample Receiving Date	:	30-Oct-2026
Testing Period	:	30-Oct-2026 to 06-Nov-2026

Test Requested :

(1) As specified by client, with reference to RoHS 2011/65/EU Annex II and amending Directive (EU) 2015/863 to determine Cadmium, Lead, Mercury, Cr(VI), PBBs, PBDEs, DBP, BBP, DEHP, DIBP contents in the submitted sample(s).

(2) As requested by the client, the risk of specific PFAS in the selected sample is evaluated. The total amounts of evaluated PFAS are 757 items, concluding 174 tested items and 583 listed items (see PFAS Remark).

(3) Please refer to next pages for the other item(s).

Test Results : Please refer to following pages.

Troy Chang / Department Manager
Signed for and on behalf of
SGS TAIWAN LTD.
Chemical Laboratory - Taipei

PIN CODE: 7E44DF48

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Test Part Description

No.1 : BLACK PLASTIC

Test Result(s)

Test Item(s)	Method	Unit	MDL	Result
				No.1
Cadmium (Cd)	With reference to IEC 62321-5: 2013, analysis was performed by ICP-OES.	mg/kg	2	n.d.
Lead (Pb)		mg/kg	2	n.d.
Mercury (Hg)	With reference to IEC 62321-4: 2013+ AMD1: 2017, analysis was performed by ICP-OES.	mg/kg	2	n.d.
Hexavalent Chromium Cr(VI)	With reference to IEC 62321-7-2: 2017, analysis was performed by UV-VIS.	mg/kg	8	n.d.
Monobromobiphenyl	With reference to IEC 62321-6: 2015, analysis was performed by GC/MS.	mg/kg	5	n.d.
Dibromobiphenyl		mg/kg	5	n.d.
Tribromobiphenyl		mg/kg	5	n.d.
Tetrabromobiphenyl		mg/kg	5	n.d.
Pentabromobiphenyl		mg/kg	5	n.d.
Hexabromobiphenyl		mg/kg	5	n.d.
Heptabromobiphenyl		mg/kg	5	n.d.
Octabromobiphenyl		mg/kg	5	n.d.
Nonabromobiphenyl		mg/kg	5	n.d.
Decabromobiphenyl		mg/kg	5	n.d.
Sum of PBBs		mg/kg	-	n.d.
Monobromodiphenyl ether		mg/kg	5	n.d.
Dibromodiphenyl ether		mg/kg	5	n.d.
Tribromodiphenyl ether		mg/kg	5	n.d.
Tetrabromodiphenyl ether		mg/kg	5	n.d.
Pentabromodiphenyl ether		mg/kg	5	n.d.
Hexabromodiphenyl ether		mg/kg	5	n.d.
Heptabromodiphenyl ether		mg/kg	5	n.d.
Octabromodiphenyl ether		mg/kg	5	n.d.
Nonabromodiphenyl ether		mg/kg	5	n.d.
Decabromodiphenyl ether		mg/kg	5	n.d.
Sum of PBDEs		mg/kg	-	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
Butyl benzyl phthalate (BBP)	With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.	mg/kg	50	n.d.
Dibutyl phthalate (DBP)	With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.	mg/kg	50	n.d.
Di-(2-ethylhexyl) phthalate (DEHP)	With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.	mg/kg	50	n.d.
Diisobutyl phthalate (DIBP)	With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.	mg/kg	50	n.d.
Diisodecyl phthalate (DIDP) (CAS No.: 26761-40-0, 68515-49-1)	With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.	mg/kg	50	n.d.
Diisononyl phthalate (DINP) (CAS No.: 28553-12-0, 68515-48-0)	With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.	mg/kg	50	n.d.
Di-n-octyl phthalate (DNOP) (CAS No.: 117-84-0)	With reference to IEC 62321-8: 2017, analysis was performed by GC/MS.	mg/kg	50	n.d.
Hexabromocyclododecane (HBCDD) and all major diastereoisomers identified (α- HBCDD, β- HBCDD, γ- HBCDD) (CAS No.: 25637-99-4, 3194-55-6 (134237-51-7, 134237-50-6, 134237-52-8))	With reference to IEC 62321: 2008, analysis was performed by GC/MS.	mg/kg	5	n.d.
Fluorine (F) (CAS No.: 14762-94-8)	With reference to BS EN 14582: 2016, analysis was performed by IC.	mg/kg	50	n.d.
Chlorine (Cl) (CAS No.: 22537-15-1)	With reference to BS EN 14582: 2016, analysis was performed by IC.	mg/kg	50	n.d.
Bromine (Br) (CAS No.: 10097-32-2)	With reference to BS EN 14582: 2016, analysis was performed by IC.	mg/kg	50	n.d.
Iodine (I) (CAS No.: 14362-44-8)	With reference to BS EN 14582: 2016, analysis was performed by IC.	mg/kg	50	n.d.
Dimethyl fumarate (DMFu) (CAS No.: 624-49-7)	With reference to US EPA 3550C: 2007, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
Polyvinyl chloride (PVC)	With reference to ASTM E1252: 2021, analysis was performed by FT-IR and Flame Test.	**	-	Negative
Formaldehyde (CAS No.: 50-00-0)	With reference to ISO 17226-1: 2021, analysis was performed by LC/DAD.	mg/kg	3	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
Arsenic (As) (CAS No.: 7440-38-2)	With reference to US EPA 3052: 1996, analysis was performed by ICP-OES.	mg/kg	2	n.d.
Beryllium (Be) (CAS No.: 7440-41-7)	With reference to US EPA 3052: 1996, analysis was performed by ICP-OES.	mg/kg	2	n.d.
Antimony (Sb) (CAS No.: 7440-36-0)	With reference to US EPA 3052: 1996, analysis was performed by ICP-OES.	mg/kg	2	n.d.
PFAS				
PFHxA and its salts				
Perfluorohexane acid and its salts (PFHxA and its salts) (CAS No.: 307-24-4 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
PFHxA related compounds				
1H,1H,2H,2H-Perfluoro-1-octanol (6:2FTOH) (CAS No.: 647-42-7)	Modified EN 17681-1: 2025, analysis was performed by GC/MS and LC/MS/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorooctylacrylate (6:2FTA) (CAS No.: 17527-29-6)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMAC) (CAS No.: 2144-53-8)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorooctanesulphonic acid and its salts (6:2 FTS and its salts) (CAS No.: 27619-97-2 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1,1,1,2,2,3,3,4,4,5,5,6,6-tridecafluoro-8-iodooctane (6:2 FTI) (CAS No.: 2043-57-4)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
Perfluorohexyl iodide (PFHxI) (CAS No.: 355-43-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
n-(4,4,5,5,6,6,7,7,8,8,9,9,9-tridecafluorononyl)iodoacetamide (CAS No.: 852527-50-5)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorooctyl triethoxysilane (POTS) (CAS No.: 51851-37-7)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
1H,1H,2H,2H-Perfluorooctyltrichlorosilane (CAS No.: 78560-45-9)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorooctyltrimethoxysilane (CAS No.: 85857-16-5)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.			
Mono[2-(perfluorohexyl)ethyl] Phosphate and its salts (6:2 monoPAP and its salts) (CAS No.: 57678-01-0 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
2-Iodo-1H,1H,1H,2H,3H,3H-perfluorononane (CAS No.: 38550-34-4)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
N-[3-(dimethylamino)propyl]-3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctanesulphonamide N-oxide (CAS No.: 80475-32-7)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
Thiocyanic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl ester (CAS No.: 26650-09-9)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
2H,2H,3H,3H-Perfluorononanoic acid (6:3 FTCA) (CAS No.: 27854-30-4)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorooctanethiol (6:2 FTSH) (CAS No.: 34451-26-8)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
1H,1H,2H,2H-Perfluorooctyldimethylchlorosilane (6:2 FTSiMe2Cl) (CAS No.: 102488-47-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
1-Iodo-1H,1H-Perfluoroheptane (6:1 FTI) (CAS No.: 212563-43-4)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
3-(Perfluorohexyl)propyl iodide (6:3 FTI) (CAS No.: 89889-20-3)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
1H,1H,2H,2H-Perfluorooctanephosphonic acid and its salts (6:2 FTPA and its salts) (CAS No.: 252237-40-4 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
1H,1H-perfluorohexan-1-ol (5:1 FTOH) (CAS No.: 423-46-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS and LC/MS/MS.	mg/kg	0.2	n.d.
1H,1H-perfluoro-1-heptanol (6:1 FTOH) (CAS No.: 375-82-6)	Modified EN 17681-1: 2025, analysis was performed by GC/MS and LC/MS/MS.	mg/kg	0.2	n.d.
3-(perfluorohexyl)propanol (6:3 FTOH) (CAS No.: 80806-68-4)	Modified EN 17681-1: 2025, analysis was performed by GC/MS and LC/MS/MS.	mg/kg	0.2	n.d.
3,3,4,4,5,5,6,6,7,7,7-undecafluoro-2-heptanol (CAS No.: 914637-05-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS and LC/MS/MS.	mg/kg	0.2	n.d.
1-(perfluorohexyl)octane (CAS No.: 133331-77-8)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
1H,1H-Perfluoroheptylamine (6:1 FTNH2) (CAS No.: 423-49-4)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
Perfluorohexyl ethylene (PFHxE) (CAS No.: 25291-17-2)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	1	n.d.
2H-Perfluoro-2-octenoic acid (6:2 FTUCA) (CAS No.: 70887-88-6)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
6:6 Perfluorophosphinic acid and its salts (6:6 PFPi and its salts) (CAS No.: 40143-77-9 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
6:8 Perfluorophosphinic acid and its salts(6:8 PFPi and its salts) (CAS No.: 610800-34-5；2361298-14-6 and others)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
PFHxS and its salts				
Perfluorohexane sulfonate and its salts (PFHxS and its salts) (CAS No.: 355-46-4 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.

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Test Item(s)	Method	Unit	MDL	Result No.1
PFHxS related compounds				
N-Methylperfluoro-1-hexanesulfonamide (N-Me-FHxSA) (CAS No.: 68259-15-4)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorohexane sulfonamide (PFHxSA) (CAS No.: 41997-13-1)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
N-[3-(dimethylamino)propyl]tridecafluorohexanesulphonamide (N-AP-FHxSA) (CAS No.: 50598-28-2)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
2-[Methyl[(tridecafluorohexyl)sulphonyl]amino]ethyl acrylate (N-MeFHSEA) (CAS No.: 67584-57-0)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
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 (CAS No.: 67584-61-6)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
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 (CAS No.: 67906-70-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1-Hexanesulfonamide, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-N-methyl-(MeFHxSE) (CAS No.: 68555-75-9)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl] and its salts (EtFHxSAA and its salts) (CAS No.: 68957-32-4 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
PFOS and its salts				
Perfluorooctane sulfonates and its salts (PFOS and its salts) (CAS No.: 1763-23-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.

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Test Item(s)	Method	Unit	MDL	Result No.1
PFOS related compounds				
N-ethylperfluoro-1-octanesulfonamide (EtFOSA) (CAS No.: 4151-50-2)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
N-Methyl-Perfluoroctanesulfonamide (N-Me-FOSA) (CAS No.: 31506-32-8)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
N-Ethyl-Perfluoroctanesulfonamidoethanol (N-Et-FOSE alcohol) (CAS No.: 1691-99-2)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
N-Methyl-Perfluoroctanesulfonamidoethanol (N-Me-FOSE alcohol) (CAS No.: 24448-09-7)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoroctanesulfonamide and its salts (PFOSA and its salts) (CAS No.: 754-91-6 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorooctane sulfonamidoacetic acid and its salts (FOSAA and its salts) (CAS No.: 2806-24-8 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
N-methylperfluorooctane sulfonamidoacetic acid and its salts (N-MeFOSAA and its salts) (CAS No.: 2355-31-9 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
N-ethylperfluorooctane sulfonamidoacetic acid and its salts (N-EtFOSAA and its salts) (CAS No.: 2991-50-6 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
PFOA and its salts				
Perfluorooctanoic acid and its salts (PFOA and its salts) (CAS No.: 335-67-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.

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Test Item(s)	Method	Unit	MDL	Result No.1
PFOA related compounds				
6:8 Perfluorophosphinic acid and its salts(6:8 PFPi and its salts) (CAS No.: 610800-34-5；2361298-14-6 and others)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Methyl perfluorooctanoate (Me-PFOA) (CAS No.: 376-27-2)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
Ethyl perfluorooctanoate (Et-PFOA) (CAS No.: 3108-24-5)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
Perfluoro-1-iodooctane (PFOI) (CAS No.: 507-63-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
3-Perfluoroheptyl propanoic acid (7:3 FTCA) (CAS No.: 812-70-4)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
2H-Perfluoro-2-decenoic acid (8:2 FTUCA) (CAS No.: 70887-84-2)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
8:8 Perfluorophosphinic acid and its salts (8:8 PFPi and its salts) (CAS No.: 40143-79-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Mono-[2-(perfluorooctyl)ethyl]phosphate and its salts (8:2 monoPAP and its salts) (CAS No.: 57678-03-2 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorodecanesulfonic acid and its salts (8:2 FTS and its salts) (CAS No.: 39108-34-4 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) (CAS No.: 678-39-7)	Modified EN 17681-1: 2025, analysis was performed by GC/MS and LC/MS/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) (CAS No.: 27905-45-9)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) (CAS No.: 1996-88-9)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
2H,2H-Perfluorodecane acid and its salts (H2PFDA and its salts) (CAS No.: 27854-31-5 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
1H,1H,2H,2H-Perfluorodecyl iodide (8_2 FTI) (CAS No.: 2043-53-0)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi(OC2H5)3) (CAS No.: 101947-16-4)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
2H,2H,3H,3H-Perfluoroundecanoic Acid and its salts (4HPFUnA and its salts) (CAS No.: 34598-33-9 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1H,1H,2H-Heptadecafluoro-1-decene (PFDE) (CAS No.: 21652-58-4)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
Bis(1H,1H,2H,2H-Perfluorodecyl)phosphate and its salts (8_2diPAP and its salts) (CAS No.: 678-41-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1H,1H,2H,2H-Perfluorodecyltrichlorosilane (CAS No.: 78560-44-8)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorodecyltrimethoxysilane (CAS No.: 83048-65-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.			
1H,1H,2H,2H-Heptadecafluorodecyl acetate (8:2 FTOAc) (CAS No.: 37858-04-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
C9-C21 PFCAs its salts and related compounds				
Mono-[2-(perfluorooctyl)ethyl]phosphate and its salts (8:2 monoPAP and its salts) (CAS No.: 57678-03-2 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorodecanesulfonic acid and its salts (8:2 FTS and its salts) (CAS No.: 39108-34-4 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) (CAS No.: 678-39-7)	Modified EN 17681-1: 2025, analysis was performed by GC/MS and LC/MS/MS.	mg/kg	0.1	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA) (CAS No.: 27905-45-9)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA) (CAS No.: 1996-88-9)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
2H,2H-Perfluorodecane acid and its salts (H2PFDA and its salts) (CAS No.: 27854-31-5 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1H,1H,2H,2H-Perfluorodecyl iodide (8_2 FTI) (CAS No.: 2043-53-0)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTSi(OC2H5)3) (CAS No.: 101947-16-4)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
2H,2H,3H,3H-Perfluoroundecanoic Acid and its salts (4HPFUnA and its salts) (CAS No.: 34598-33-9 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1H,1H,2H-Heptadecafluoro-1-decene (PFDE) (CAS No.: 21652-58-4)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
Bis(1H,1H,2H,2H-Perfluorodecyl)phosphate and its salts (8_2diPAP and its salts) (CAS No.: 678-41-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1H,1H,2H,2H-Perfluorodecyltrichlorosilane (CAS No.: 78560-44-8)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorodecyltrimethoxysilane (CAS No.: 83048-65-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.			
1H,1H,2H,2H-Heptadecafluorodecyl acetate (8:2 FTOAc) (CAS No.: 37858-04-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
Perfluorononan-1-oic acid and its salts (PFNA and its salts) (CAS No.: 375-95-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
Ethyl perfluorononanoate (CAS No.: 30377-52-7)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
9H-Perfluorononanoic acid and its salts (9H-PFNA and its salts) (CAS No.: 76-21-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
Perfluoro-3,7-dimethyloctanoic Acid (PF-3,7-DMOA) (CAS No.: 172155-07-6)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
((Perfluorooctyl)ethyl)phosphonic acid (CAS No.: 80220-63-9)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.02	n.d.
Perfluorodecane acid and its salts (PFDA and its salts) (CAS No.: 335-76-2 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorodecanedioic acid and its salts (PFDdiA and its salts) (CAS No.: 307-78-8 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
(Perfluorodecyl)ethylene (CAS No.: 30389-25-4)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
Perfluoroundecanoic acid and its salts (PFUnDA and its salts) (CAS No.: 2058-94-8 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorododecanoic acid and its salts (PFDoDA and its salts) (CAS No.: 307-55-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Pentacosafluorotridecanoic acid and its salts (PFTrDA and its salts) (CAS No.: 72629-94-8 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorotetradecanoic acid and its salts (PFTDA and its salts) (CAS No.: 376-06-7 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorodecylphosphonic acid (PFDPA and its salts) (CAS No.: 52299-26-0 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorodecane sulfonate and its salts (PFDS and its salts) (CAS No.: 335-77-3 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2FTOH) (CAS No.: 865-86-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS and LC/MS/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorododecylacrylate (10:2FTA) (CAS No.: 17741-60-5)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2 FTMA) (CAS No.: 2144-54-9)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-perfluorotetradecan-1-ol (12:2 FTOH) (CAS No.: 39239-77-5)	Modified EN 17681-1: 2025, analysis was performed by GC/MS and LC/MS/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorododecane sulfonic acid and its salts (10:2 FTS and its salts) (CAS No.: 120226-60-0 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI) (CAS No.: 2043-54-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI) (CAS No.: 30046-31-2)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
Perfluorononane sulfonic acid and its salts (PFNS and its salts) (CAS No.: 68259-12-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoroundecane sulfonic acid and its salts (PFUnDS and its salts) (CAS No.: 749786-16-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorododecane sulfonic acid and its salts (PFDoDS and its salts) (CAS No.: 79780-39-5 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorotridecane sulfonic acid and its salts (PFTrDS and its salts) (CAS No.: 791563-89-8 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
10:2 Fluorotelomer phosphate diester and its salts (10:2 diPAP and its salts) (CAS No.: 1895-26-7 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
Perfluorododecyl iodide (PFDoDI) (CAS No.: 307-60-8)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
Perfluorodecyl iodide (PFDI) (CAS No.: 423-62-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
2H-Perfluoro-2-dodecenoic acid (10:2 FTUCA) (CAS No.: 70887-94-4)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
2-Perfluorodecyl ethanoic acid (10:2 FTCA) (CAS No.: 53826-13-4)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1-Dodecanol, 3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-heneicosafluoro-, 1-acetate (10:2 FTOAc) (CAS No.: 37858-05-2)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
10:2 Fluorotelomer phosphate monoester and its salts (10:2 monoPAP and its salts) (CAS No.: 57678-05-4 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
Perfluoropentadecanoic acid and its salts (PFPeDA and its salts, C15) (CAS No.: 141074-63-7 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
Perfluorohexadecanoic acid and its salts (PFHxDA and its salts, C16) (CAS No.: 67905-19-5 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoroheptadecanoic acid (PFHpDA, C17) (CAS No.: 57475-95-3)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorooctadecanoic acid and its salts (PFODA and its salts, C18) (CAS No.: 16517-11-6 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorononadecanoic acid (PFND, C19) (CAS No.: 133921-38-7)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoroeicosanoic acid (PFCA, C20) (CAS No.: 68310-12-3)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoroheneicosanoic acid (PFCA, C21) (CAS No.: 2920913-30-8)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Other PFAS				
Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid and its salts (CAS No.: 65294-16-8 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
Trifluoroacetic acid and its salts (TFA and its salts) (CAS No.: 76-05-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	1	n.d.
Perfluorobutane acid and its salts (PFBA and its salts) (CAS No.: 375-22-4 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorobutane sulfonate and its salts (PFBS and its salts) (CAS No.: 375-73-5 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorobutane sulfon amides and its salts (CAS No.: 30334-69-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide (PFBS-NC3H8O) (CAS No.: 34454-97-2)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA) (CAS No.: 1799-84-4)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
Perfluoropentane acid and its salts (PFPA and its salts) (CAS No.: 2706-90-3 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoroheptane acid and its salts (PFHpA and its salts) (CAS No.: 375-85-9 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
7H-Dodecanefluoroheptane acid and its salts (HPFHpA and its salts) (CAS No.: 1546-95-8 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoroheptane sulfonate and its salts (PFHpS and its salts) (CAS No.: 375-92-8 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoro-3-methoxypropanoic acid and its salts (PFMPA and its salts) (CAS No.: 377-73-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoro-4-methoxybutanoic acid (PFMBA) (CAS No.: 863090-89-5)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
Nonafluoro-3,6-dioxaheptanoic acid (NFDHA) (CAS No.: 151772-58-6)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
4,8-Dioxa-3H-perfluorononanoic acid and its salts (ADONA and its salts) (CAS No.: 919005-14-4 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1H,1H,2H,2H-Perfluoro-1-hexanol (4:2FTOH) (CAS No.: 2043-47-2)	Modified EN 17681-1: 2025, analysis was performed by GC/MS and LC/MS/MS.	mg/kg	0.4	n.d.
2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acide and its salts (HFPO-DA and its salts) (CAS No.: 13252-13-6 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1H,1H,2H,2H-Perfluorohexanesulfonic acid and its salts (4:2 FTS and its salts) (CAS No.: 757124-72-4 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoropentane sulfonic acid and its salts (PFPeS and its salts) (CAS No.: 2706-91-4 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
3-Perfluoropropyl propanoic acid and its salts (3:3 FTCA and its salts) (CAS No.: 356-02-5 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
2-Perfluorohexyl ethanoic acid (6:2 FTCA) (CAS No.: 53826-12-3)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
3-Perfluoropentyl propanoic acid and its salts (5:3 FTCA and its salts) (CAS No.: 914637-49-3 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoro(2-ethoxyethane)sulfonic acid and its salts (PFEESA and its salts) (CAS No.: 113507-82-7 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid and its salts (9Cl-PF3ONS and its salts) (CAS No.: 756426-58-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid and its salts (11Cl-PF3OUdS and its salts) (CAS No.: 763051-92-9 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
2-(N-ethylperfluorooctanesulfamido)ethyl acrylate (EtFOSAC) (CAS No.: 423-82-5)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
11H-Perfluoroundecanoic acid and its salts (11H-PFUnDA and its salts) (CAS No.: 1765-48-6 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
Pentafluoropropionate acid and its salts (PFPrA and its salts) (CAS No.: 422-64-0 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.1	n.d.
Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid and its salts (HFPO-TA and its salts) (CAS No.: 13252-14-7 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.2	n.d.
Pentafluoroethane sulfonic acid and its salts (PFEtS and its salts) (CAS No.: 354-88-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Hexafluoroacetylacetone and its salts (HFAC and its salts) (CAS No.: 1522-22-1 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Bis[2-(perfluorohexyl)ethyl] Phosphate and its salts (6:2 diPAP and its salts) (CAS No.: 57677-95-9 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Trifluoromethanesulfonimide and its salts (TFSI and its salts) (CAS No.: 82113-65-3 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Trifluoromethane sulfonic acid and its salts (TFMS and its salts) (CAS No.: 1493-13-6 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoropropate sulfonic acid and its salts (PFPrS and its salts) (CAS No.: 423-41-6 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
1-perfluoroheptyl ethanol (7:2 secondary) (7:2sFTOH) (CAS No.: 24015-83-6)	Modified EN 17681-1: 2025, analysis was performed by GC/MS and LC/MS/MS.	mg/kg	0.2	n.d.
4:2 Fluorotelomer iodide (4:2 FTI) (CAS No.: 2043-55-2)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
Perfluoroheptane-1-sulfinic acid and its salts (PFHpSi and its salts) (CAS No.: 769067-51-8 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorooctyl phosphonic acid and its salts (PFOPA and its salts) (CAS No.: 40143-78-0 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
1H,1H-Perfluorooctylamine (CAS No.: 307-29-9)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
Perfluoroheptanamide (CAS No.: 2358-22-7)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
Perfluorobutyramide (CAS No.: 662-50-0)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
1H,1H,2H,2H-Nonafluorohexyl acrylate (4:2 FTA) (CAS No.: 52591-27-2)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
N-methylperfluoro-1-butanesulfonamide (CAS No.: 68298-12-4)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
N-Ethyl-1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-(2-hydroxyethyl)-1-hexanesulfonamide (CAS No.: 34455-03-3)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Ethyl perfluoroisobutyl ether and its isomers (CAS No.: 163702-05-4 and others)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	10	n.d.
1,1,1,2,2,3,4,5,5,5,-decafluoro-Pentane (CAS No.: 138495-42-8)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	10	n.d.
Trifluorotoluene (CAS No.: 98-08-8)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	1	n.d.
1-Chloro-4 (Trifluoromethyl)Benzene (CAS No.: 98-56-6)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	1	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
1H,1H,2H,2H-Perfluorodecylmethyldichlorosilane (CAS No.: 3102-79-2)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
Bis(pentafluoroethylsulfonyl)imide and its salts (CAS No.: 152894-10-5；132843-44-8；129318-46-3；152894-04-7；221203-22-1；216299-76-2 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.02	n.d.
Perfluoro-2-ethoxypropanoic acid (PEPA) (CAS No.: 267239-61-2)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluorohexyl phosphonic acid and its salts (CAS No.: 40143-76-8；1263361-02-9 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
3-(Perfluorobutyl)propanoic acid (CAS No.: 80705-13-1)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
Perfluoro-3,6,9-trioxaundecane-1,11-dioic acid (CAS No.: 55621-18-6)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.02	n.d.
Perfluorononanedioic acid (CAS No.: 23453-64-7)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.02	n.d.
Perfluorooctanedioic acid (CAS No.: 678-45-5)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.02	n.d.
Perfluorotripropylamine (CAS No.: 338-83-0)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	10	n.d.
1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide and its salts (HFPSI and its salts) (CAS No.: 84246-29-7 and its salts)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
reaction mass of 2,2,3,3,5,5,6,6-octafluoro-4-(1,1,1,2,3,3,3-heptafluoropropan-2-yl)morpholine and 2,2,3,3,5,5,6,6-octafluoro-4-(heptafluoropropyl)morpholine	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	10	n.d.
Bisphenol AF (HFBPA) (CAS No.: 1478-61-1)	Modified EN 17681-1: 2025, analysis was performed by LC/MS/MS.	mg/kg	0.01	n.d.
3:1 Fluorotelomer alcohol (CAS No.: 375-01-9)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.5	n.d.

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Test Item(s)	Method	Unit	MDL	Result
				No.1
Nonafluoropentanamide (CAS No.: 13485-61-5)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.1	n.d.
2H-Perfluoro-2-propanol (CAS No.: 920-66-1)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.
N-Methyl-N-(trimethylsilyl)heptafluorobutyramide (CAS No.: 53296-64-3)	Modified EN 17681-1: 2025, analysis was performed by GC/MS.	mg/kg	0.2	n.d.

Note：

1. mg/kg = ppm；0.1wt% = 0.1% = 1000ppm
2. MDL = Method Detection Limit
3. n.d. = Not Detected (Less than MDL)
4. "-" = Not Regulated
5. **= Qualitative analysis (No Unit)
6. Negative = Undetectable ; Positive = Detectable
7. This is the additional test report of ETR26A05153.

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PFAS Remark：

The quantitative technology of PFAS is to analyze the specific structure of PFAS substances. However, PFAS acid and its salts with the same carbon number group have the same specific structure that can be identified. The tested results of the analyzed specific structure cannot be distinguished to identify the contribution from PFAS acid or its salts. Therefore, the tested results display the sum of concentrations of PFAS acids and its salts with the same carbon number group. The concentration of PFAS substances in the below table have been included in the tested results, please refer to the table for relevant information: (The listed PFAS substances are examples only, it do not include all PFAS salts with the same carbon number group.)

Group Name	Substance Name	CAS No.
TFA, its salts	Trifluoroacetic acid (TFA)	76-05-1
	Sodium trifluoroacetate (TFA-Na)	2923-18-4
	Thallium(III) trifluoroacetate (TFA-Tl)	23586-53-0
	Lithium Trifluoroacetate (TFA-Li)	2923-17-3
	Silver trifluoroacetate (TFA-Ag)	2966-50-9
	Cesium Trifluoroacetate (TFA-Cs)	21907-50-6
	Potassium trifluoroacetate (TFA-K)	2923-16-2
	Ammoniumtrifluoroacetate (TFA-NH4)	3336-58-1
	Mercury(II) trifluoroacetate (TFA-Hg)	13257-51-7
	Palladium(II) trifluoroacetate (TFA-Pd)	42196-31-6
	Trifluoroacetate / Trifluoroacetic acid anion (TFA anion)	14477-72-6
	Dimethyl[(trifluoroacetyl)oxy]sulfanium trifluoroacetate	57738-66-6
	Aluminium tris(trifluoroacetate) (TFA-Al)	36554-89-9
	Barium bis(trifluoroacetate) (TFA-Ba)	60884-92-6
	Erbium tris(trifluoroacetate) (TFA-Er)	70236-99-6
	Indium trifluoroacetate (TFA-In)	36554-90-2
	Lanthanum tris(trifluoroacetate) (TFA-La)	70236-92-9
	Nickel(2+) trifluoroacetate (TFA-Ni)	16083-14-0
	Lead(II) trifluoroacetate (TFA-Pb)	4146-73-0
	Acetic acid, trifluoro-, rhodium(2+) salt (TFA-Rh)	72654-51-4
	Thulium tris(trifluoroacetate) (TFA-Tm)	70237-00-2
	Ytterbium(3+) tris(trifluoroacetate) (TFA-Yb)	87863-62-5
	Zinc bis(trifluoroacetate) (TFA-Zn)	21907-47-1
	Ruthenium(II) 2,2,2-trifluoroacetate (TFA-Ru)	61612-84-8
	Magnesium 2,2,2-trifluoroacetate (TFA-Mg)	123333-72-2
	Copper(2+) trifluoroacetate (TFA-Cu)	123333-88-0
	Methyltrioctylammonium trifluoroacetate	121107-16-2
	Chromium(3+) tris(trifluoroacetate) (TFA-Cr)	16712-29-1
	Tetraethylammonium trifluoroacetate (TFA-N(C_2H_5)$_4$)	30093-29-9
	Tetrabutylammonium trifluoroacetate (TFA-N(C_4H_9)$_4$)	39481-22-6
	Europium(3+) trifluoroacetate-water (1/3/3) (TFA-Eu.H2O)	94079-71-7

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Group Name	Substance Name	CAS No.
PFBA, its salts	Perfluorobutane acid (PFBA)	375-22-4
	Ammonium perfluorobutanoate (PFBA-NH_4)	10495-86-0
	Sodium perfluorobutanoate (PFBA-Na)	2218-54-4
	Potassium heptafluorobutanoate (PFBA-K)	2966-54-3
	Silver perfluorobutanoate (PFBA-Ag)	3794-64-7
	Lithium perfluorobutanoate (PFBA-Li)	4146-76-3
	Heptafluorobutanoic acid-piperazine (1:1)	375-04-2
	Perfluorobutanoate (anion)	45048-62-2
	4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1) (PFBA-C6H4ClF6N2P)	-
	Heptafluorobutanoic acid-1-phenylpiperazine (1:1) (PFBA-C10H14N2)	2263-11-8
	Perfluorobutanoic anhydride (PFBAA)	336-59-4
	Heptafluorobutanoic acid calcium salt (PFBA-Ca)	2366-98-5
	Rhodium(II) perfluorobutyrate dimer (PFBA-Rh)	73755-28-9
	Perfluorobutyryl chloride (PFBA-Cl)	375-16-6
	Perfluorobutanoyl fluoride (PFBA-F)	335-42-2
	Heptafluorobutanoyl Bromide (PFBA-Br)	375-13-3
	4-Chlorobenzenediazonium perfluorobutanoate perfluorobutanoic acid (1:1:1)	-
	N5-(5-Hydroxy-4,6-dimethylpyrimidin-2-yl)-L-ornithine-heptafluorobutanoic acid (1/2)	936233-19-1
PFBS, its salts & derivatives	Perfluorobutane sulfonate (PFBS)	375-73-5
	1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, sodium salt (1:1) (PFBS-Na)	60453-92-1
	Lithium perfluorobutanesulfonate (PFBS-Li)	131651-65-5
	Magnesium perfluorobutanesulfonate (PFBS-Mg)	507453-86-3
	Perfluorobutane Sulfonate K-salt (PFBS-K)	29420-49-3
	Perfluorobutane sulfonyl fluoride (PFBS-F)	375-72-4
	Tetraethylammonium perfluorobutanesulfonate (PFBS-$N(CH_3CH_2)_4$)	25628-08-4
	Triphenylsulfanium perfluorobutane sulfonate (TPS-PFBS)	144317-44-2
	Dimethyl(phenyl)sulfanium perfluorobutane sulfonate	220133-51-7
	Tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate	220689-12-3
	Morpholinium perfluorobutanesulfonate	503155-89-3
	Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate (PFBS-NH_4)	68259-10-9

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NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
PFBS, its salts & derivatives	Nonafluorobutanesulfonic acidHydrate	59933-66-3
	Nonafluoro-1-butanesulfonyl chloride (PFBS-Cl)	2991-84-6
	Bis(4-tert-butylphenyl)iodonium perfluoro-1-butanesulfonate (PFBS-I$(C_6H_4)_2(C_4H_9)_2$)	194999-85-4
	1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonic acid, compound with 2,2'-iminodiethanol (1:1) (PFBS-NH$(C_2H_5O)_2$)	70225-18-2
	1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate (PFBS-$SC_{18}H_{23}O$)	209482-18-8
	Tetrabutylammonium nonafluorobutanesulfonate ((PFBS-N$(C_4H_9)_4$))	108427-52-7
	Diphenyliodanium nonafluorobutane-1-sulfonate((PFBS-I$(C_6H_5)_2$))	194999-82-1
	Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	241806-75-7
	Sulfonium, (4-cyclohexylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	425670-64-0
	Thiophenium, tetrahydro-1-(1-methyl-1H-indol-3-yl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	867373-18-0
	Pyridinium, 1-ethyl-3-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	1015420-87-7
	1H-Imidazolium, 1-methyl-3-octyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	905972-83-0
	1H-Imidazolium, 3-hexyl-1-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	1001557-05-6
	2-Propanaminium, N,N-dimethyl-N-(1-methylethyl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	374571-81-0
	Sulfonium, [4-[2-(1,1-dimethylethoxy)-2-oxoethoxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	857285-80-4
	1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	124472-66-8
	1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, zinc salt (2:1) (PFBS-Zn)	502457-69-4
	1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	56773-55-8
	Perfluorobutanesulfonic acid tetramethylammonium salt (PFBS-N$(CH_3)_4$)	25628-17-5
	1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, 1,1'-anhydride	36913-91-4

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
PFBS, its salts & derivatives	Perfluorobutane sulfonate (anion)	45187-15-3
	1-(4-butoxy-1-naphthalenyl)tetrahydrothiophenium - 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate	EC No. 468-770-4
	1-Butanesulfonic acid, 1,1,2,2,3,3,4,4,4-nonafluoro-, compd. with N,N-diethylethanamine (1:1)	182059-38-7
	1-Octanaminium, N-(2-hydroxyethyl)-N,N-dimethyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	334529-55-4
	Pyridinium, 1-hexadecyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	334529-62-3
	Pyridinium, 1-butyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	334529-64-5
	1-Octanaminium, N-methyl-N,N-dioctyl-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	495417-51-1
	Sulfonium, tris(4-methylphenyl)-, 1,1,2,2,3,3,4,4,4-nonafluoro-1-butanesulfonate (1:1)	722538-68-3
	N-Ethyl-N-methyl-N-propylammonium perfluorobutanesulfonate	1186599-90-5
	[4-(2-Methylpropyl)phenyl]-diphenylsulfanium;1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate	1375211-36-1
	Diphenyl 4-tertbutylphenylsulfonium nonafluorobutanesulfonate	258872-05-8
	Diphenyl(4-methylphenyl)sulfonium nonafluorobutanesulfonate	284474-28-8
	Trimethylsilyl nonafluorobutanesulfonate	68734-62-3
PFPA, its salts	Perfluoropentane acid (PFPA)	2706-90-3
	Sodium perfluoropentanoate (PFPA-Na)	2706-89-0
	Potasium perfluoropentanoate (PFPA-K)	336-23-2
	Ammonium perfluoropentanoate (PFPA-NH_4)	68259-11-0
	Lithium perfluoropentanoate (PFPA-Li)	198482-22-3
	Silver perfluoropentanoate (PFPA-Ag)	2795-30-4
	Perfluoropentanoate (anion)	45167-47-3
	Pentanoic acid, 2,2,3,3,4,4,5,5,5-nonafluoro-, compd. with phenylmethyl carbamimidothioate (1:1) (PFPeA-$C_8H_{10}N_2S$)	64808-55-5

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
PFPA, its salts	Nonafluoropentanoic anhydrid (PFPeAA)	308-28-1
	Perfluoropentanoyl chloride (PFPeA-Cl)	375-60-0
	Perfluoropentanoyl fluoride (PFPeA-F)	375-62-2
	Nonafluoropentanoyl bromide (PFPeA-Br)	159623-35-5
PFHxA, its salts & derivatives	Perfluorohexane acid (PFHxA)	307-24-4
	Ammonium perfluorohexanoate (PFHxA-NH_4)	21615-47-4
	Sodium perfluorohexanoate (PFHxA-Na)	2923-26-4
	Potassium perfluorohexanoate (PFHxA-K)	3109-94-2
	Perfluorohexanoyl fluoride (PFHxA-F)	355-38-4
	Silver perfluorohexanoate (PFHxA-Ag)	336-02-7
	Lithium perfluorohexanoate (PFHxA-Li)	90430-61-8
	Perfluorohexanoic anhydride	308-13-4
	Hexanoic acid, undecafluoro-, compd. with piperazine (2:1) (8Cl,9Cl)	423-47-2
	Perfluorohexanoate (anion)	92612-52-7
	Perfluorohexanoyl chloride (PFHxA-Cl)	335-53-5
	Perfluorohexanoyl bromide (PFHxA-Br)	1404193-66-3
	Hexanoic acid, 2,2,3,3,4,4,5,5,6,6,6-undecafluoro-, compd. with 1-hexanamine (1:1) (PFHxA-$C_6H_{15}N$)	565225-91-4
	Hexanoic acid, 2,2,3,3,4,4,5,5,6,6,6-undecafluoro-, compd. with 1-phenylpiperazine (1:1) (PFHxA-$C_{10}H_{14}N_2$)	985-60-4
6:2 FTS, its salts	1H,1H,2H,2H-Perfluorooctanesulphonic acid (6:2 FTS)	27619-97-2
	Sodium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-Na)	27619-94-9
	Potassium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-K)	59587-38-1
	Ammonium 1H,1H,2H,2H-Perfluorooctanesulfonate (6:2 FTS-NH_4)	59587-39-2
	1-Octanesulfonic acid, 3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluoro-, barium salt (2:1) (6:2 FTS-Ba)	1807944-82-6
	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctane-1-sulfonate (6:2 FTS(anion))	425670-75-3
	2-(Perfluorohexyl)ethanesulfonyl chloride (6:2 FTS-Cl)	27619-89-2
	2-(Perfluorohexyl)ethanesulfonyl fluoride (6:2 FTS-F)	-
6:2 monoPAP, its salts	Mono[2-(perfluorohexyl)ethyl] Phosphate (6:2 monoPAP)	57678-01-0
	Diammonium 6:2 fluorotelomer phosphate monoester (6:2 monoPAP-NH_4NH_4)	1000852-37-8
	Disodium- 6:2 Fluorotelomer phosphate (6:2 mono PAPs-Na_2)	150033-29-7

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
6:2 FTPA, its salts	1H,1H,2H,2H-Perfluorooctanephosphonic acid (6:2 FTPA)	252237-40-4
	Sodium hydrogen ((perfluorohexyl)ethyl)phosphonate (Cheminox FHP 2OH-Na(PFHEPA-Na))	1189052-95-6
PFHxS, its salts & derivatives	Perfluorohexane sulfonate (PFHxS)	355-46-4
	Perfluorohexanesulfonate Na-salt (PFHxS-Na)	82382-12-5
	Perfluorohexanesulfonate K-salt (PFHxS-K)	3871-99-6
	Ammonium perfluorohexanesulfonate (PFHxS-NH_4)	68259-08-5
	Perfluorohexanesulfonate Li-salt (PFHxS-Li)	55120-77-9
	Perfluorohexanesulfonate Zn-salt (PFHxS-Zn)	70136-72-0
	Perflurohexane sulphonyl fluoride (PFHxS-F)	423-50-7
	Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	1000597-52-3
	N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate	108427-54-9
	N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate (1:1)	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)	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)	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)	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)	1310480-28-4
	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)	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)	1329995-69-8
	Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	144116-10-9

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
PFHxS, its salts & derivatives	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)	1462414-59-0
	Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	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)	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)	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)	213740-81-9
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)	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)	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)	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 acid	421555-74-0
	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)	425670-70-8
	Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)	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)	72033-41-1
	Iodonium, bis[(1,1-dimethylethyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (9CI)	866621-50-3
	Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	910606-39-2
	Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	911027-68-4
	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) (PFHxS-CsH)	92011-17-1

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
PFHxS, its salts & derivatives	Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)	928049-42-7
	Perfluorohexylsulfonyl chloride (PFHxS-Cl)	55591-23-6
	Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1), polymer with 2-ethyltricyclo[3.3.1.13,7]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.13,7]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate	911027-69-5
	Perfluorohexane sulfonate (anion)	108427-53-8
	Tetrabutylphosphonium tridecafluorohexane-1-sulfonate (PFHxS-P (C4H9)4))	2310194-12-6
EtFHxSAA, its salts	Glycine, N-ethyl-N-[(1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluorohexyl)sulfonyl] (EtFHxSAA)	68957-32-4
	Potassium N-ethyl-n-[(tridecafluorohexyl)sulfonyl]glycinate (EtFHxSAA-K)	67584-53-6
	Sodium N-ethyl-N-((tridecafluorohexyl)sulphonyl)glycinate (EtFHxSAA-Na)	68555-70-4
PFHpA, its salts	Perfluoroheptane acid (PFHpA)	375-85-9
	Sodium perfluoroheptanoate (PFHpA-Na)	20109-59-5
	Potassium perfluoroheptanoate (PFHpA-K)	21049-36-5
	Ammonium perfluoroheptanoate (PFHpA-NH_4)	6130-43-4
	Cesium perfluoroheptanoate (PFHpA-Cs)	171198-24-6
	Silver perfluoroheptanoate (PFHpA-Ag)	424-05-5
	Lithium perfluoroheptanoate (PFHpA-Li)	60871-90-1
	Perfllluoroheptanoate (anion)	120885-29-2
	Perfluoroheptanoic anhydride (PFHpAA)	78225-99-7
	Perfluoroheptanoyl chloride (PFHpA-Cl)	52447-22-0
	Perfluoroheptanoyl fluoride (PFHpA-F)	375-84-8
HPFHpA, its salts	7H-Dodecanefluoroheptane acid (HPFHpA)	1546-95-8
	Sodium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Na)	2264-25-7
	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-NH_4)	376-34-1
	7H-Perfluoroheptanoate (HPFHpA(anion))	69681-35-2
	Potasium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-K)	-
	Lithium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate (HPFHpA-Li)	-

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
HPFHpA, its salts	7H-Perfluoroheptanoyl chloride (HPFHpA-Cl)	41405-35-0
	7H-Perfluoroheptanoyl fluoride (HPFHpA-F)	5927-65-1
	Perfluoroheptanoyl Bromide (PFHpA-Br)	159623-34-4
PFHpS, its salts	Perfluoroheptane sulfonate (PFHpS)	375-92-8
	Perfluoroheptanesulfonate Na-salt (PFHpS-Na)	21934-50-9
	Potassium perfluoroheptanesulfonate (PFHpS-K)	60270-55-5
	Ammonium perfluoroheptanesulfonate (PFHpS-NH_4)	68259-07-4
	Lithium perfluoroheptanesulfonate (PFHpS-Li)	117806-54-9
	1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, compd. with 2,2'-iminobis[ethanol] (1:1)	70225-15-9
	Perfluoroheptane sulfonate (anion)	146689-46-5
	Triethylammonium perfluoroheptane sulfonate	72033-40-0
	Tetraethylammonium perfluoroheptane sulfonate	439863-97-5
	1-Heptanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,7-pentadecafluoro-, anhydride (9CI) (PFHpSA)	140429-92-1
	Perfluoroheptanesulfonyl fluoride (PFHpS-F)	335-71-7
	Perfluoroheptanesulfonyl chloride(PFHpS-Cl)	33018-82-5
PFOS, its salts & derivatives	Perfluorooctane sulfonates (PFOS)	1763-23-1
	Potassium perfluorooctanesulfonate (PFOS-K)	2795-39-3
	Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
	Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH_4)	29081-56-9
	Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(C2H4OH)2)	70225-14-8
	Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-$N(C_2H_5)_4$)	56773-42-3
	N-decyl-N,N-dimethyldecan-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-DDA)	251099-16-8
	TetrabutylAmmonium perfluorooctanesulfonate (PFOS-$N(C_4H_9)_4$)	111873-33-7
	Perfluorooctane sulfonyl fluoride (POSF)	307-35-7
	Perfluorooctanesulfonic acid, magnesium salt (PFOS-Mg)	91036-71-4
	Perfluorooctanesulfonic acid, sodium salt (PFOS-Na)	4021-47-0
	Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6
	Perfluorooctanesulfonate (anion)	45298-90-6
	1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (PFOS-$NH(C_2H_5)_3$)	54439-46-2

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
PFOS, its salts & derivatives	Methanaminium, N,N,N-trimethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1) (PFOS-N(CH_3)$_4$)	56773-44-5
	1-Pentanaminium, N,N,N-tripropyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1) (PFOS-N(C_3H_7)$_3$(C_5H_{11}))	56773-56-9
	1-Butanaminium, N,N-dibutyl-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1) (PFOS-N(C_4H_9)$_3$(CH_3))	124472-68-0
	Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	213740-80-8
	Sulfonium, diphenyl(2,4,6-trimethylphenyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	258341-99-0
	Pyridinium, 1-hexadecyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	334529-63-4
	1-Decanaminium, N,N,N-triethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonate (1:1)	773895-92-4
	Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P(C_4H_9)$_4$))	2185049-59-4
	Perfluorooctanesulfonic acid diethylamine salt (PFOS-$C_4H_{11}N$)	2205029-08-7
	Heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium perfluorooctanesulfonate (PFOS-$C_{15}H_{30}NO_2$)	1203998-97-3
	1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-, 1,1'-anhydride (PFOSAN)	423-92-7
	Perfluoro-1-octanesulfonyl chloride (PFOS-Cl)	423-60-9
PFOSA, its salts	Perfluorooctanesulfonamide (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-$C_6H_{15}N$)	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

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
PFOA, its salts & derivatives	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($C_4H_{10}N$)	423-52-9
	Pentadecafluorooctanoate (anion)	45285-51-6
	Perfluorooctanoic Anhydride	33496-48-9
	Ethanaminium, N,N,N-triethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)	98241-25-9
	Tetramethylammoniumperfluoroctanoat	32609-65-7
	1-Propanaminium, N,N,N-tripropyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1)	277749-00-5
	Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, potassium salt, hydrate (1:1:2) (PFOA-K(H_2O)$_2$)	98065-31-7
	Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, compd. with ethanamine (1:1) (PFOA-C_2H_7N)	1376936-03-6
	Octanoic acid, pentadecafluoro-, compd. with pyridine (1:1) (9CI) (PFOA-C_5H_5N)	95658-47-2
	Pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-$C_{10}H_{14}N_2$)	1514-68-7
	1-Octanaminium, N,N,N-trimethyl-, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluorooctanoate (1:1) (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 monoPAP, its salts	Mono-[2-(perfluorooctyl)ethyl]phosphate (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
8:2 FTS, its salts	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4
	Potassium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-K)	438237-73-1
	Ammonium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-NH_4)	149724-40-3

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
8:2 FTS, its salts	Sodium 1H,1H,2H,2H-Perfluorodecane sulfonate (8:2 FTS-Na)	27619-96-1
	8: 2 Fluorotelomer sulfonate (anion) (8:2 FTS(anion))	481071-78-7
	2-(Perfluorooctyl)ethanesulfonyl chloride (8:2 FTS-Cl)	27619-90-5
H2PFDA, its salts	2H,2H-Perfluorodecane acid (H2PFDA)	27854-31-5
	Tetrabutylphosphonium 2H,2H-Perfluorodecanoate	882489-14-7
4HPFUnA, its salts	2H,2H,3H,3H-Perfluoroundecanoic Acid (4HPFUnA)	34598-33-9
	Potassium 2H,2H,3H,3H-Perfluoroundecanoate (H4PFUnA-K)	83310-58-1
	Lithium 3-(perfluorooctyl)propanoate (H4PFUnA-Li)	67304-23-8
8:2diPAP, its salts	Bis(1H,1H,2H,2H-Perfluorodecyl)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 (8:2diPAP-NH_4)	93776-20-6
	8:2 Fluorotelomer phosphate diester ion	1411713-91-1
PFNA, its salts	Perfluorononan-1-oic acid (PFNA)	375-95-1
	Perfluorononanoate Na-salt (PFNA-Na)	21049-39-8
	Perfluorononanoate ammounium salt (APFN)	4149-60-4
	Potassium perfluorononanoate (PFNA-K)	21049-38-7
	Perfluorononanoate Li-Salt (PFNA-Li)	60871-92-3
	Silver perfluorononanoate (PFNA-Ag)	7358-16-9
	Methanaminium perfluorononanoate (PFNA-$NH_3(CH_3)$)	77032-23-6
	Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-ethylethanamine (1:1) PFNA-$NH_2(C_2H_5)_2$)	77032-27-0
	Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with N-methylmethanamine (1:1) (PFNA-$NH_2(CH_3)_2$)	77032-24-7
	Nonanoic acid, heptadecafluoro-, compd. with N,N-diethylethanamine (1:1) (9Cl) (PFNA-$NH(C_2H_5)_3$)	327176-80-7
	Nonanoic acid, heptadecafluoro-, compd. with piperidine (1:1) (9Cl) (PFNA-$NH_2(C_5H_{10})$)	95682-66-9
	Nonanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,9-heptadecafluoro-, compd. with benzenamine (1:1) (PFNA-$NH_3(C_6H_5)$)	95682-67-0
	Nonanoic acid, heptadecafluoro-, compd. with cyclohexanamine (1:1) (9Cl) (PFNA-$NH_3(C_6H_{11})$)	328531-06-2
	Perfluorononanoate (anion)	72007-68-2
	4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium heptadecafluorononanoate (PFNA-$C_{11}H_{12}N_4O_3S$)	298703-33-0
	Perfluorononanoic anhydride (PFNAA)	228407-54-3

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
PFNA, its salts	Perfluorononanoyl chloride (PFNA-Cl)	52447-23-1
	Perfluorononanoyl fluoride (PFNA-F)	558-95-2
	Heptadecafluorononanoyl Bromide (PFNA-Br)	261503-42-8
9H-PFNA, its salts	9H-Perfluorononanoic acid (9H-PFNA)	76-21-1
	Sodium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	-
	Sodium 9-chloro-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	-
	Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	-
	Potassium 9-chloroperfluorononanoate	1415963-94-8
	Ammonium hexadecafluorononanoate	1868-86-6
	Lithium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	-
	Lithium 9-chloro-2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorononanoate	-
PFDA, its salts	Perfluorodecane acid (PFDA)	335-76-2
	Perfluorodecanoate Na-salt (PFDA-Na)	3830-45-3
	Perfluorodecanoate ammonium salt (APFDA)	3108-42-7
	Potassium perfluorodecanoate (PFDA-K*)	51604-85-4
	Silver perfluorodecanoate (PFDA-Ag)	5784-82-7
	Lithium perfluorodecanoate (PFDA-Li)	84743-32-8
	Perfluorodecanoate (anion)	73829-36-4
	Perfluorodecanoic anhydride (PFDAA)	942199-24-8
	Nonadecafluorodecanoyl chloride (PFDA-Cl)	307-38-0
	Nonadecafluorodecanoyl Fluoride (PFDA-F)	-
PFDdiA, its salts	Perfluorodecanedioic acid (PFDdiA)	307-78-8
	Disodium;2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorodecanedioate	-
	Dilithium;2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9-hexadecafluorodecanedioate	-
PFDPA, its salts	Perfluorodecylphosphonic acid (PFDPA)	52299-26-0
	Perfluorodecylphosphonic Acid 4-Methylbenzamine	-
	Perfluorodecylphosphonic Acid Di-4-toluidine Salt	-

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NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
PFUnDA, its salts	Perfluoroundecanoic acid (PFUnDA)	2058-94-8
	Ammonium perfluoroundecanoate (PFUnDA-NH_4)	4234-23-5
	Perfluoroundecanoic acid sodium salt (PFUnDA-Na)	60871-96-7
	Potassium perfluoroundecanoate (PFUnDA-K)	30377-53-8
	Calcium perfluoroundecanoate (PFUnDA-Ca)	97163-17-2
	Perfluoroundecanoate (anion)	196859-54-8
PFDoDA, its salts	Perfluorododecanoic acid (PFDoDA)	307-55-1
	Ammonium perfluorododecanoate (APFDoDA)	3793-74-6
	Perfluorododecanoate (anion)	171978-95-3
	Sodium perfluoro-n-dodecanoic acid (PFDoDA-Na)	307-67-5
PFDS, its salts	Perfluorodecane sulfonate (PFDS)	335-77-3
	Perfluorodecanesulfonate Na-salt (PFDS-Na)	2806-15-7
	Perfluorodecanesulfonate K-salt (PFDS-K)	2806-16-8
	Perfluoroaliphatic dean-sulfonate salt of NH_4 (PFDS-NH_4)	67906-42-7
	Perfluorodecane sulfonate (anion)	126105-34-8
	Perfluorodecane sulfonic anhydride (PFDSA)	51667-62-0
	Perfluorodecanesulphonyl fluoride (PFDS-F)	307-51-7
	Perfluorodecanesulphonyl chloride (PFDS-Cl)	32779-61-6
PFTrDA, its salts	Pentacosafluorotridecanoic acid (PFTrDA)	72629-94-8
	Ammonium perfluorotridecanoate (PFTrDA-NH_4)	4288-72-6
	Sodium perfluorotridecanoate (PFTrDA-Na)	60872-01-7
	Perfluorotridecanoate (anion)	862374-87-6
PFTDA, its salts	Perfluorotetradecanoic acid (PFTDA)	376-06-7
	Perfluorotetradecanoate (anion)	365971-87-5
10:2 FTS, its salts	1H,1H,2H,2H-Perfluorododecane sulfonic acid (10:2 FTS)	120226-60-0
	1H,1H,2H,2H-Perfluorododecane sulfonic acid Sodium Salt (10:2 FTS-Na)	108026-35-3
	2-(Perfluorodecyl)ethane-1-sulfonyl chloride (10:2 FTS-Cl)	27619-91-6
PFNS, its salts	Perfluorononane sulfonic acid (PFNS)	68259-12-1
	Sodium perfluoro-1-nonanesulfonate (PFNS-Na*)	98789-57-2
	Ammonium nonadecafluorononanesulphonate (PFNS-NH_4)	17202-41-4
	Potassium perfluorononanesulfonate (PFNS-K*)	29359-39-5
	Perfluorononane sulfonate (anion)	474511-07-4
	Perfluorononanesulfonyl fluoride (PFNS-F)	68259-06-3
PFUnDS, its salts	Perfluoroundecane sulfonic acid (PFUnDS)	749786-16-1
	Perfluoroundecanesulfonate (anion)	441296-91-9

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
PFDoDS, its salts	Perfluorododecane sulfonic acid (PFDoDS)	79780-39-5
	Sodium perfluoro-1-dodecanesulfonate (PFDoDS-Na*)	1260224-54-1
	Potassium perfluorododecanesulfonate (PFDoDS-K)	85187-17-3
	Perfluorododecane sulfonate (anion)	343629-43-6
PFTrDS, its salts	Perfluorotridecane sulfonic acid (PFTrDS)	791563-89-8
	Sodium perfluoro-1-tridecanesulfonate (PFTrDS-Na*)	174675-49-1
10:2 diPAP, its salts	10:2 Fluorotelomer phosphate diester (10:2 diPAP)	1895-26-7
	bis[3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-henicosafluorododecyl] hydrogen phosphate, compound with 2,2'-iminodiethanol (1:1) (10:2 diPAP-$C_4H_{11}O_2$)	57677-98-2
10:2 monoPAP, its salts	10:2 Fluorotelomer phosphate monoester (10:2 monoPAP)	57678-05-4
	10:2 Fluorotelomer 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-Henicosafluorododecyl dihydrogen phosphate cyclohexylamine	2514858-66-1
PFPeDA, its salts	Perfluoropentadecanoic acid (PFPeDA, C15)	141074-63-7
	Nonacosafluoropentadecanoate (PFPeDA (anion))	1214264-29-5
PFHxDA, its salts	Perfluorohexadecanoic acid (PFHxDA, C16)	67905-19-5
	Hentriacontafluorohexadecanoate anion (PFHxDA (anion))	1214264-30-8
PFODA, its salts	Perfluorooctadecanoic acid (PFODA, C18))	16517-11-6
	Perfluorooctadecanoate anion (PFODA (anion))	798556-82-8
	Potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-pentatriacontafluorooctadecanoate	-
	Sodium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-pentatriacontafluorooctadecanoate	-
	Lithium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,16,16,17,17,18,18,18-pentatriacontafluorooctadecanoate	-
PFMPA, its salts	Perfluoro-3-methoxypropanoic acid (PFMPA)	377-73-1
	Perfluoro-3-methoxypropanoic anhydride (PFMPAA)	42566-65-4
ADONA, its salts	4,8-Dioxa-3H-perfluorononanoic acid (ADONA)	919005-14-4
	Ammonium 4,8-dioxa-3H-perfluorononanoate (ADONA-NH_4)	958445-44-8

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
ADONA, its salts	Sodium 4,8-dioxa-3H-perfluorononanoate (ADONA-Na)	2250081-67-3
	Potassium 2,2,3-trifluoro-3-[1,1,2,2,3,3-hexafluoro- 3-(trifluoromethoxy)propoxy]propanoate (ADONA-K)	1087271-46-2
	2,2,3-Trifluoro-3-[1,1,2,2,3,3-hexafluoro-3-(trifluoromethoxy)propoxy]propanoate (ADONA (anion))	2127366-90-7
HFPO-DA, its salts & derivatives	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propionic acide (HFPO-DA)	13252-13-6
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-(2R)-	75579-39-4
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-(2S)-	75579-40-7
	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionicacid, K-salts	67118-55-2
	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionicacid, ammonium salts	62037-80-3
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-, sodium salt (1:1)	67963-75-1
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-, ion(1-)	122499-17-6
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)-, compd. with N-propyl-1-propanamine (1:1)	165951-17-7
	Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, compd. with N,N-diethylethanamine (1:1) (9CI)	165951-18-8
	4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate	298703-31-8
	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionicacid, its acyl halides	2062-98-8
	Benzoic acid, 2,3,6-triiodo-, (1-methyl-3-piperidinyl)methyl ester, compd. with 2,3,3,3-tetrafluoro-2-(1,1,2,2,3,3,3-heptafluoro propoxy)propanoate (1:1) (HFPO-$C_{14}H_{16}I_3NO_2$)	2412106-69-3
4:2 FTS, its salts	1H,1H,2H,2H-Perfluorohexanesulfonic acid (4:2 FTS)	757124-72-4
	1H,1H,2H,2H-perfluorohexane sulfonate acid sodium salt	27619-93-8
	4: 2 Fluorotelomer sulfonate (4:2FTS(anion))	414911-30-1
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

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NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
N-MeFOSAA, its salts	N-methylperfluorooctane sulfonamidoacetic 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
	Cyclo-hexachloro (N-methyl- (N-(perfluorooctylsulphonyl) glycinato-O1:O1')) dihydroxytrichromium	97298-47-0
N-EtFOSAA, its salts	N-ethylperfluorooctane sulfonamidoacetic (N-EtFOSAA)	2991-50-6
	Potassium N-ethyl-N-((heptadecafluorooctyl)sulphonyl)glycinate (N-Et-FOSAA-K)	2991-51-7
	2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion))	909405-49-8
	Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-NH4)	2991-52-8
	Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)	3871-50-9
	Diaquatetrachloro[mu-[N-ethyl-N-[(perfluorooctyl) sulfonyl]glycinato-O1:O1']]-mu-hydroxybis[2-methylpropanol]dichromium	68891-96-3
PFPeS, its salts	Perfluoropentane sulfonic acid (PFPeS)	2706-91-4
	Sodium perfluoro-1-pentanesulfonate (PFPeS-Na*)	630402-22-1
	Potassium perfluoropentane-1-sulphonate (PFPeS-K)	3872-25-1
	Ammonium perfluoropentanesulfonate (PFPeS-NH_4*)	68259-09-6
	Bis(2-hydroxyethyl) ammonium 1,1,2,2,3,3,4,4,5,5,5-undecafluoropentane-1-sulphonate	70225-17-1
	Undecafluoropentane-1-sulfonic acid lithium salt (PFPeS-Li)	1046864-81-6
	Perfluoropentane sulfonate (anion)	175905-36-9
	Triethylammonium perfluoropentane sulfonate	72033-42-2
	Perfluoropentane sulfonic anhydride (PFPeSA)	161877-72-1
3:3 FTCA, its salts	3-Perfluoropropyl propanoic acid (3:3 FTCA)	356-02-5
	4,4,5,5,6,6,6-Heptafluorohexanoate (3:3 FTCA(anion))	1169706-83-5
	Sodium 3-(perfluoropropyl)propanoate (3:3FTCA-Na)	1207462-13-2
5:3 FTCA, its salts	3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3
	2H,2H,3H,3H-Perfluorooctanoate (5:3 FTCA(anion))	1799325-94-2
PFEESA, its salts	Perfluoro(2-ethoxyethane)sulfonic acid (PFEESA)	113507-82-7
	Potassium perfluoro(2-ethoxyethane) sulfonate (PFEESA-K)	117205-07-9
	Sodium perfluoro(2-ethoxyethane) sulfonate (PFEESA-Na)	113507-87-2

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NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
9Cl-PF_3ONS, its salts	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF_3ONS)	756426-58-1
	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate (9Cl-PF_3ONS-K)	73606-19-6
	Ammonium perfluoro-2-[(6-chlorohexyl)oxy]ethane-1-sulfonate (9Cl-PF_3ONS-NH_4)	1383434-28-3
	Perfluoro(2-((6-chlorohexyl)oxy)ethanesulfonate) (9Cl-PF3ONS (anion))	1621485-21-9
11Cl-PF_3OUdS, its salts	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF_3OUdS)	763051-92-9
	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate (11Cl-PF_3OUdS-K)	83329-89-9
	2-[(8-Chloro-1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8-hexadecafluorooctyl)oxy]-1,1,2,2- tetrafluoroethanesulfonate (11Cl-PF3OUdS (anion))	2196242-82-5
11H-PFUnDA, its salts	11H-Perfluoroundecanoic acid (11H-PFUnDA)	1765-48-6
	potassium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate (11H-PFUnDA-K)	307-71-1
	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11-icosafluoroundecanoate (11H-PFUnDA-NH_4)	5081-02-7
	11-H-Perfluoroundecanoate (11H-PFUnDA(anion))	69681-37-4
PFPrA, its salts	Pentafluoropropionate acid (PFPrA)	422-64-0
	Sodium pentafluoropropionate (PFPrA-Na)	378-77-8
	Silver pentafluoropropionate (PFPrA-Ag)	509-09-1
	Potassium pentafluoropropionate (PFPrA-K)	378-76-7
	Ammonium pentafluoropropionate (PFPrA-NH_4)	2730-58-7
	Perfluoropropanoate (PFPrA(anion))	44864-55-3
	Pentafluoropropanoic acid-1-phenylpiperazine (1/1) (PFPrA-C10H14N2)	893-87-8
	Pentafluoropropanoic acid-piperazine (1/1) (PFPrA-C4H10N2)	1690-94-4
	Imidazole perfluoropropionic acid salt (PFPrA-C3H4N2)	200705-90-4
6:6 PFPi, its salts	6:6 Perfluorophosphinic acid (6:6 PFPi)	40143-77-9
	Sodium bis(perfluorohexyl)phosphinate (6:6 PFPi-Na)	70609-44-8
	Bis(perfluorohexyl) phosphinic acid ytterbium(3+) salt (6:6 PFPi-Yb)	500776-72-7
	Bis(perfluorohexyl) phosphinic acid erbium(3+) salt (6:6 PFPi-Er)	500776-73-8

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Group Name	Substance Name	CAS No.
6:8 PFPi, its salts	6:8 Perfluorophosphinic acid (6:8 PFPi)	610800-34-5
	Sodium perfluorohexylperfluorooctylphosphinate (6:8 PFPi-Na)	2361298-14-6
8:8 PFPi, its salts	8:8 Perfluorophosphinic acid (8:8 PFPi)	40143-79-1
	Sodium bis(perfluorooctyl)phosphinate (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
PFTrOODA, its salts	Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid	65294-16-8
	Perfluoro-(2,5,8-trimethyl-3,6,9-trioxadodecanoic) acid potassium salt	67963-77-3
	Propanoic acid, 2,3,3,3-tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(1,1,2,2,3,3,3-heptafluoropropoxy)propoxy]propoxy]-, ammonium salt (1:1)]-, ammonium salt (1:1)	-
HFPO-TA, its salts	Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid (HFPO-TA)	13252-14-7
	Potassium perfluoro(2-(2-propoxypropoxy)propanoate) (HFPO-TA-K)	67118-57-4
	Perfluoro-2,5-dimethyl-3,6-dioxanonanoic acid, sodium salt (HFPO-TA-Na)	67963-76-2
	2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoic acid--ammonia (HFPO-TA-NH_4)	13043-05-5
	Hexafluoropropene oxide trimer (HFPO-TA-F)	2641-34-1
	Triethylaminium perfluoro-2-(2-propoxypropoxy)propanoate (HFPO-TA-$NH(C_2H_5)_3$)	165951-19-9
	Methanaminium perfluoro-2-(2-propoxypropoxy)propanoate	328065-29-8
	2,3,3,3-Tetrafluoro-2-[1,1,2,3,3,3-hexafluoro-2-(heptafluoropropoxy)propoxy]propanoic acid--N-methylmethanamine	328065-54-9
PFEtS, its salts	Pentafluoroethane sulfonic acid (PFEtS)	354-88-1
	Pentafluoroethanesulfonate (PFEtS (anion))	108410-37-3
	Potassium pentafluoroethane-1-sulfonate (PFEtS-K)	2837-92-5

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NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
HFAC, its salts	Hexafluoroacetylacetone and its salts (HFAC)	1522-22-1
	Strontium hexafluoroacetylacetonate (HFAC-Sr)	121012-89-3
	Calcium hexafluoroacetylacetonate (HFAC-Ca)	121012-90-6
	Bismuth(III) hexafluoroacetylacetonate (HFAC-Bi)	141364-06-9
	Nickel(2^+) bis(1,1,1,5,5,5-hexafluoro-2,4-dioxopentan-3-ide) (HFAC-Ni)	14949-69-0
	Copper(II) hexafluoroacetylacetonate hydrate (HFAC- Cu·H_2O)	155640-85-0
	Thorium hexafluoroacetylacetonate (HFAC-Th)	18865-75-3
	Yttrium hexafluoroacetylacetonate (HFAC-Y)	18911-76-7
	Erbium(III) hexafluoroacetylacetonate hydrate (HFAC- Er·H_2O)	18923-92-7
	Scandium(III) hexafluoroacetylacetonate (HFAC-Sc)	18990-42-6
	Cobalt(2^+) bis[(2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2-olate] (HFAC-Co)	19648-83-0
	Magnesium bis(1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2-olate) (HFAC-Mg)	19648-85-2
	Manganese(2^+) bis[(2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2-olate] (HFAC-Mn)	19648-86-3
	Sodium hexafluoroacetylacetonate (HFAC-Na)	22466-49-5
	Caesium (2Z)-1,1,1,5,5,5-hexafluoro-4-oxo-2-penten-2-olate (HFAC-Cs)	22518-56-5
	Barium hexafluoroacetylacetonate (HFAC-Ba)	314071-48-2
	Indium hexafluoropentanedionate (HFAC-In)	34110-72-0
	Tin(II) hexafluoroacetylacetonate (HFAC-Sn)	51319-99-4
	Palladium(II) hexafluoroacetylacetonate (HFAC-Pd)	64916-48-9
6:2 diPAP, its salts	Bis[2-(perfluorohexyl)ethyl] Phosphate (6:2 diPAP)	57677-95-9
	Sodium bis[2-(perfluorohexyl)ethyl] phosphate (6:2 diPAP-Na)	407582-79-0
	Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) phosphate ion (6:2 diPAP(anion))	667465-18-1
TFSI, its salts	Trifluoromethanesulfonimide (TFSI)	82113-65-3
	Pyrrolidinium, 1-butyl-1-methyl-, salt with 1,1,1-trifluoro-N-[(trifluoromethyl)sulfonyl]methanesulfonamide (1:1)	223437-11-4
	Tributylmethyl Ammonium Bis(trifluoromethanesulfonyl) Imide	405514-94-5
	Lithium bis((trifluoromethyl)sulfonyl)azanide (TFSI-Li)	90076-65-6
	1-Decyl-3-methylimidazolium Bis(trifluoromethylsulfonyl)imide	433337-23-6
	Zinc(II) Bis(trifluoromethanesulfonyl)imide ((TFSI)2-Zn)	168106-25-0

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Group Name	Substance Name	CAS No.
TFSI, its salts	Manganese(II) Bis(trifluoromethanesulfonyl)imide ((TFSI)2-Mn)	207861-55-0
	Nickel bis(trifluoromethylsulfonyl)imide ((TFSI)2-Ni)	207861-63-0
	Copper(II) Bis(trifluoromethanesulfonyl)imide ((TFSI)2-Cu)	162715-14-2
	(OC-6-11)-Tris(1,1,1-trifluoro-N-((trifluoromethyl)sulfonyl-kappaO)methanesulfonamidato-kappaO)iron ((TFSI)3-Fe)	207861-59-4
	Copper(II) trifluoromethanesulfonimide xhydrate ((TFSI)2-CuH2O)	1334406-76-6
	Silver Bis(trifluoromethanesulfonyl)imide (TFSI-Ag)	189114-61-2
	Copper bis(trifluoromethylsulfonyl)imide (TFSI-Cu)	291300-50-0
	Barium(II) Bis(trifluoromethanesulfonyl)imide ((TFSI)2-Ba)	168106-22-7
	Strontium bis(trifluoromethylsulfonyl)imide	862121-57-1
	1-Methylimidazole Bis(trifluoromethanesulfonyl)imide	353239-08-4
	1-Ethyl-3-methylimidazolium bis(trifluoromethylsulfonyl)imide	174899-82-2
	1,2-Dimethyl-3-propylimidazolium bis(trifluoromethylsulfonyl)imide	169051-76-7
	Magnesium bis(trifluoromethylsulfonyl)imide (TFSI-Mg)	133395-16-1
	1-Methyl-3-propylimidazolium Bis(trifluoromethanesulfonyl)imide	216299-72-8
	1-Butyl-1-methylpiperidinium bis(trifluoromethylsulfonyl)imide	623580-02-9
	1-Methyl-3-n-octylimidazolium Bis(trifluoromethanesulfonyl)imide	178631-04-4
	Tris[bis(trifluoromethylsulfonyl)amino] ytterbium ((TFSI)3-Yb)	175438-43-4
	Butyltrimethylammonium bis(trifluoromethylsulfonyl)imide	258273-75-5
	Cobalt bis(trifluoromethylsulfonyl)imide ((TFSI)2-Co)	207861-61-8
	Potassium Bis(trifluoromethanesulfonyl)imide (TFSI-K)	90076-67-8
	1-Methyl-1-propylpiperidin-1-ium Bis((trifluoromethyl)sulfonyl)amide	608140-12-1
	1-Ethyl-2,3-dimethylimidazolium Bis(trifluoromethanesulfonyl)imide	174899-90-2
	1-Methyl-1-propylpyrrolidinium Bis(trifluoromethanesulfonyl)imide	223437-05-6
	1,1,1-trifluoro-N-trifluoromethanesulfonyl-N-((N-trifluoromethanesulfonyltrifluoromethanesulfonamido)calcio) methanesulfonamide ((TFSI)2-Ca)	165324-09-4

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
TFSI, its salts	Choline bis(trifluoromethylsulfonyl)imide	827027-25-8
	1-Dodecyl-3-methylimidazolium Bis(trifluoromethanesulfonyl)imide	404001-48-5
	1-Ethyl-1-methylpyrrolidinium bis(trifluoromethylsulfonyl)imide	223436-99-5
	Diethylmethylsulfonium bis(trifluoromethylsulfonyl)imide	792188-85-3
	Bis(trifluoromethylsulfonyl)azanide;mercury(2+) ((TFSI)2-Hg)	104715-41-5
	Cerium(III) Bis(trifluoromethanesulfonyl)imide (TFSI-Ce)	1046099-39-1
	Cadmium bis{bis[(trifluoromethyl)sulfonyl]azanide} (TFSI-Cd)	1263295-73-3
	Bis(trifluoromethanesulfonyl)imide Lanthanum(III) Salt (TFSI-La)	168106-26-1
	Scandium(III) bis(trifluoromethylsulfonyl)imide (TFSI-Sc)	176726-07-1
	Yttrium(III) bis(trifluoromethanesulfonyl)imide (TFSI-Y)	189114-86-1
	Vanadium tris(bis(trifluoromethanesulfon)imide) (TFSI-V)	207861-54-9
	Iron(II) bis(trifluoromethanesulfonyl)imide (TFSI-Fe)	207861-57-2
	Tin(II) bis(trifluoromethylsulfonyl)imide (TFSI-Sn)	460096-08-6
	Cesium bis(trifluoromethanesulfonyl)imide (TFSI-Cs)	91742-16-4
	Sodium bis(trifluoromethanesulfonyl)imide (TFSI-Na)	91742-21-1
TFMS, its salts	Trifluoromethane sulfonic acid (TFMS)	1493-13-6
	Trifluoromethane sulfonic acid Sodium salt (TFMS-Na)	2926-30-9
	Silver trifluoromethanesulfonate (TFMS-Ag)	2923-28-6
	Zinc trifluoromethanesulfonate (TFMS-Zn)	54010-75-2
	Scandium trifluoromethanesulfonate (TFMS-Sc)	144026-79-9
	Trifluoromethanesulfonic anhydride	358-23-6
	Lithium trifluoromethanesulfonate (TFMS-Li)	33454-82-9
	Copper(II) trifluoromethanesulfonate (TFMS-Cu)	34946-82-2
	Barium trifluoromethanesulfonate (TFMS-Ba)	2794-60-7
	Cerium(IV) trifluoromethanesulfonate (TFMS-Ce)	107792-63-2
	Magnesium trifluoromethanesulfonate (TFMS-Mg)	60871-83-2
	Potassium trifluoromethanesulfonate (TFMS-K)	2926-27-4
	Nickel(II) Trifluoromethanesulfonate (TFMS-Ni)	60871-84-3
	Tin(II) trifluoromethanesulfonate (TFMS-Sn)	62086-04-8
	Yttrium(III) trifluoromethanesulfonate (TFMS-Y)	52093-30-8
	Iron(III) trifluoromethanesulfonate (TFMS-Fe)	63295-48-7
	Cerium(III) Trifluoromethanesulfonate (TFMS-Ce)	76089-77-5
	Tetrabutylammonium trifluoromethanesulfonate	35895-70-6

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
TFMS, its salts	Methyltrioctylammonium trifluoromethanesulfonate	121107-18-4
	Imidazole trifluoromethanesulfonate	29727-06-8
	Trifluoroacetyl Trifluoromethanesulfonate	68602-57-3
	Lanthanum(III) trifluoromethanesulfonate (TFMS-La)	52093-26-2
	Indium(III) trifluoromethanesulfonate (TFMS-In)	128008-30-0
	Samarium(III) trifluoromethanesulfonate (TFMS-Sm)	52093-28-4
	Ytterbium(III) trifluoromethanesulfonate (TFMS-Yb)	54761-04-5
	Thulium(III) trifluoromethanesulfonate (TFMS-Tm)	141478-68-4
	Tetraethylammonium trifluoromethanesulfonate	35895-69-3
	1-Fluoro-3,5-dichloropyridinium triflate	107264-06-2
	Triethylamine salt of trifluoromethanesulfonic acid	646-58-2
	Triphenylphosphonium anhydride triflate	72450-51-2
	N,N-Diethyl-6-(diethylamino)-9-(2-(methoxycarbonyl)phenyl)-3H-xanthene-3-ylideneammonium trifluoromethanesulfonate	120611-30-5
	Diphenylammonium Trifluoromethanesulfonate	164411-06-7
	1-(3-aminoazetidin-1-yl)prop-2-en-1-one, trifluoromethanesulfonic acid	2060047-56-3
	Guanidine trifluoromethanesulfonic acid	153756-25-3
	Trifluoromethanesulfonic acid--1-ethyl-1H-imidazole (1/1)	501693-46-5
	Ruthenium(3+), (OC-6-22)-, salt with trifluoromethanesulfonic acid (1:3)	74468-24-9
	O-Pivaloylhydroxylamine trifluoromethanesulfonate	1293990-73-4
	Trifluoromethanesulfonyl chloride	421-83-0
	(2-Pyridylmethyl)sulfonyl chloride triflate	882564-09-2
	Trifluoromethanesulfonyl bromide	15458-53-4
	Mercury(II) trifluoromethanesulfonate (TFMS-Hg)	49540-00-3
	Dysprosium(III) tris(trifluoromethanesulfonate) (TFMS-Dy)	139177-62-1
	Manganese bis(trifluoromethanesulfonate) (TFMS-Mn)	55120-76-8
	Pentaammine(trifluoromethanesulfonato)osmium(III) triflate	83781-30-0
	Lutetium(III) trifluoromethanesulfonate (TFMS-Lu)	126857-69-0
	Terbium(III) trifluoromethanesulfonate (TFMS-Tb)	148980-31-8
	Neodymium(III) trifluoromethanesulfonate (TFMS-Nd)	34622-08-7
	Ammonium trifluoromethanesulfonate (TFMS-NH4)	38542-94-8
	Holmium(III) trifluoromethanesulfonate (TFMS-Ho)	139177-63-2
	Trifluoromethanesulfonate	37181-39-8
	Praseodymium(III) trifluoromethanesulfonate (TFMS-Pr)	52093-27-3
	Bismuth(III) trifluoromethanesulfonate (TFMS-Bi)	88189-03-1

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
TFMS, its salts	Europium(III) trifluoromethanesulfonate (TFMS-Eu)	52093-25-1
	Erbium(III) trifluoromethanesulfonate (TFMS-Er)	139177-64-3
	Gallium(III) trifluoromethanesulfonate (TFMS-Ga)	74974-60-0
	N,N,N-Triethyl-2,2,2-trifluoroethan-1-aminium trifluoromethanesulfonate	380230-73-9
	Methanesulfonic acid, trifluoro-, calcium salt (TFMS-Ga)	55120-75-7
	Thallium(1+) trifluoromethanesulfonate (TFMS-Tl)	73491-36-8
	Hafnium(IV) Trifluoromethanesulfonate (TFMS-Hf)	161337-67-3
	1-(2,2,3,3,4,4,5,5,6,6,7,7,8,8,8- Pentadecafluorooctyl)pyridinium trifluoromethanesulfonate	25061-59-0
	Tetrapropylammonium trifluoromethanesulphonate (TFMS-N(C3H7)4)	35925-48-5
	(Heptafluoropropyl)(phenyl)iodanium trifluoromethanesulfonate	77758-79-3
	Phenyl(tridecafluorohexyl)iodanium trifluoromethanesulfonate	77758-84-0
	(Heptadecafluorooctyl)(phenyl)iodanium	77758-89-5
	(1,1,1,2,3,3,3-Heptafluoropropan-2-yl)(phenyl)iodanium trifluoromethanesulfonate	82959-18-0
	Triethylmethylammonium triflate	90756-35-7
	Pentafluoroanilinium trifluoromethanesulfonate	912823-79-1
	Tributylmethylammonium trifluoromethanesulfonate	944557-37-3
	1-Ethylpyridinium trifluoromethanesulfonate	3878-80-6
	Lanthanum trifluoromethanesulfonate--water (1/3/1)	34629-21-5
	Yttrium trifluoromethanesulfonate--water (1/3/1)	34629-25-9
	$Copper^{(2+)}$ trifluoromethanesulfonate--benzene (1/2/1)	42152-46-5
	Trifluoromethanesulfonic acid--water (1/1)	49789-04-0
	Pyridinium trifluoromethanesulfonate	52193-54-1
	2-Ethenyl-1-(prop-2-en-1-yl)thian-1-ium trifluoromethanesulfonate	66120-38-5
	Tributyltin trifluoromethanesulfonate	68725-14-4
	Morpholin-4-ium trifluoromethanesulfonate	77534-70-4
	2-Chloro-1-methylpyridinium trifluoromethanesulphonate	84030-18-2
	1-Fluoropyridinium triflate	107263-95-6
	1,3-Dimethyl-1H-imidazol-3-ium trifluoromethanesulfonate	121091-30-3
	1-Ethyl-3-methylimidazolium trifluoromethanesulfonate	145022-44-2

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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Group Name	Substance Name	CAS No.
TFMS, its salts	1-Butyl-3-methylimidazolium trifluoromethanesulfonate	174899-66-2
	1-Ethyl-2,3-dimethylimidazolium trifluoromethanesulfonate	174899-72-0
PFPrS, its salts	Perfluoropropate sulfonic acid (PFPrS)	423-41-6
	Perfluoropropanesulfonic acid sodium salt (PFPrS-Na)	359868-82-9
	Perfluoropropane sulfonate (PFPrS anion)	110676-15-8
	Potassium heptafluoropropanesulfonate (PFPrS-K)	40365-23-9
PFHpSi, its salts	Perfluoroheptane-1-sulfinic acid (PFHpSi)	769067-51-8
	1-heptanesulfinic Acid Sodium Salt (PFHpSi-Na)	68555-66-8
PFOPA, its salts	Perfluorooctyl phosphonic acid (PFOPA)	40143-78-0
	(Heptadecafluorooctyl)phosphonic acid--4-methylaniline (1/1)	1263361-03-0
BETI, its salts	Bis(pentafluoroethylsulfonyl)imide)	152894-10-5
	Lithium Bis(pentafluoroethanesulfonyl)imide	132843-44-8
	Bis(perfluoroethylsulfonyl)imide anion	129318-46-3
	Sodium bis((perfluoroethyl)sulfonyl)amide	152894-04-7
	Potassium bis((perfluoroethyl)sulfonyl)amide	221203-22-1
	1-Ethyl-3-methylimidazolium bis(perfluoroethylsulfonyl)imide	216299-76-2
PFHxPA, its salts	Perfluorohexyl phosphonic acid	40143-76-8
	Perfluorohexylphosphonic Acid 4-Methylbenzamine	1263361-02-9
HFPSI, its salts	1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide (HFPSI)	84246-29-7
	Potassium 1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimide	588668-97-7
	Lithium 1,1,2,2,3,3-Hexafluoropropane-1,3-disulfonimidede	189217-62-7
Ethyl perfluoroisobutyl ether and its isomers	Ethyl perfluoroisobutyl ether and its isomers	163702-05-4
	Perfluoroisobutyl ethyl ether	163702-06-5

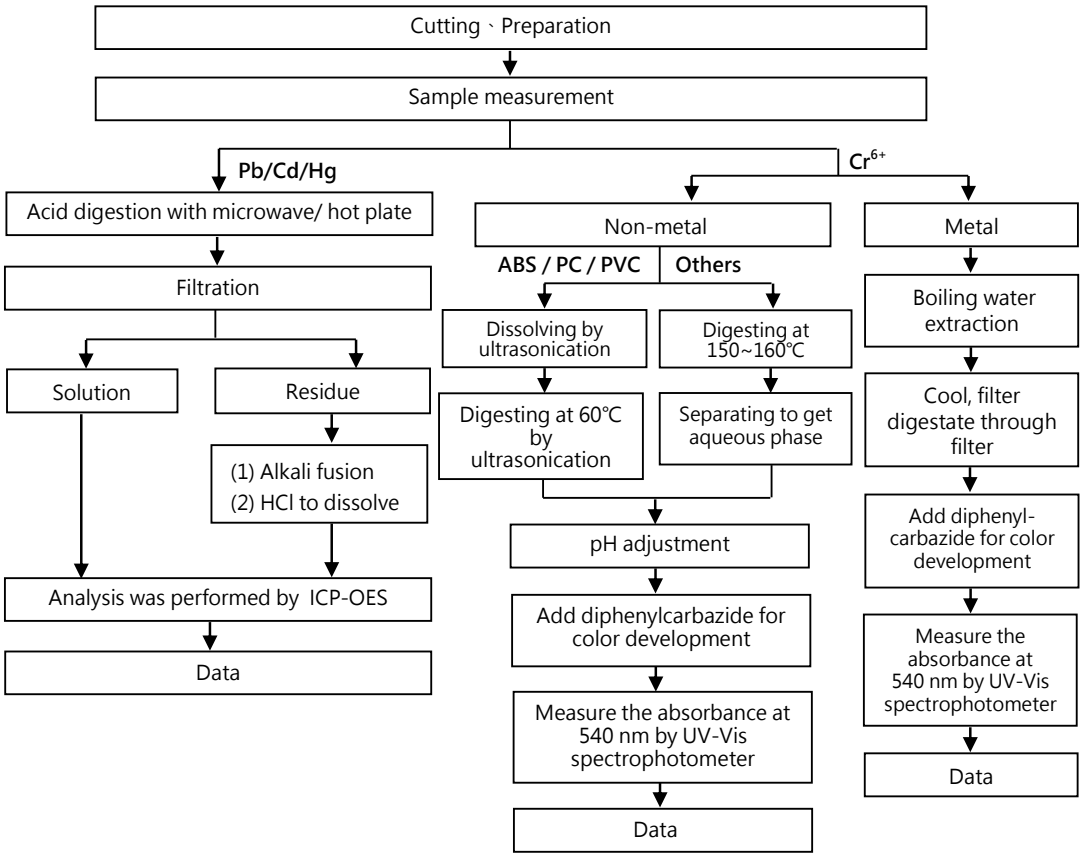
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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

Analytical flow chart of heavy metal

These samples were dissolved totally by pre-conditioning method according to below flow chart.

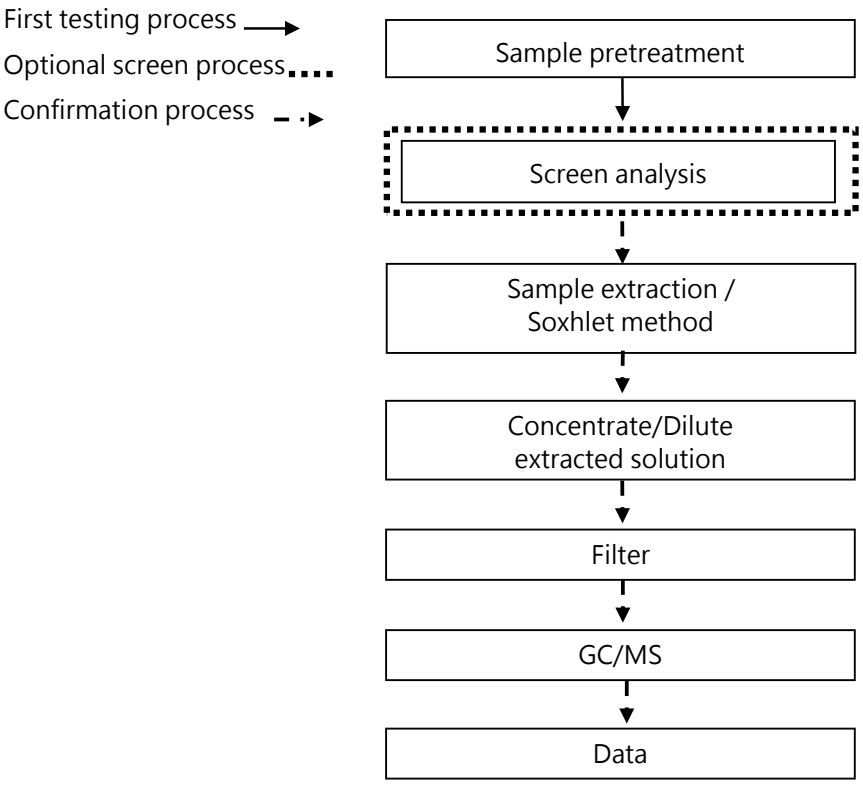
(Cr^{6+} test method excluded)



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Analytical flow chart – PBBs / PBDEs

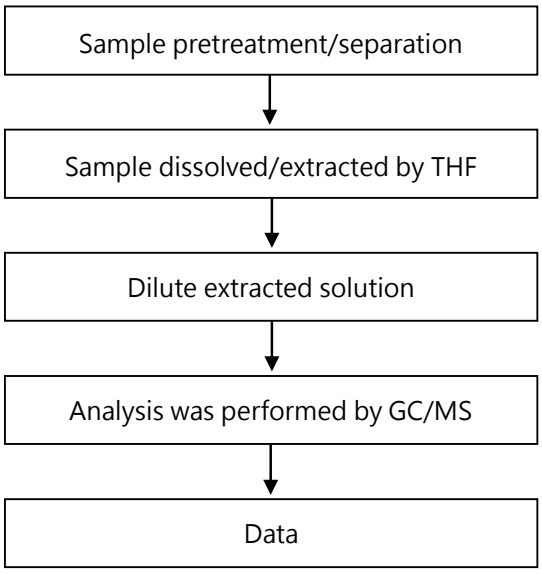


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Analytical flow chart - Phthalate

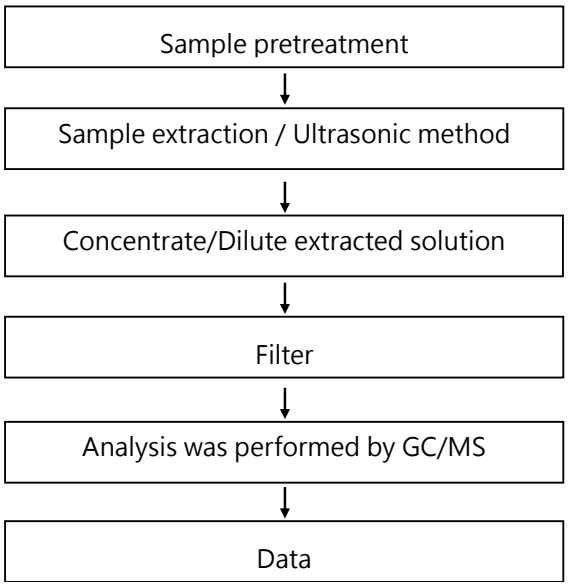
【Test method: IEC 62321-8】



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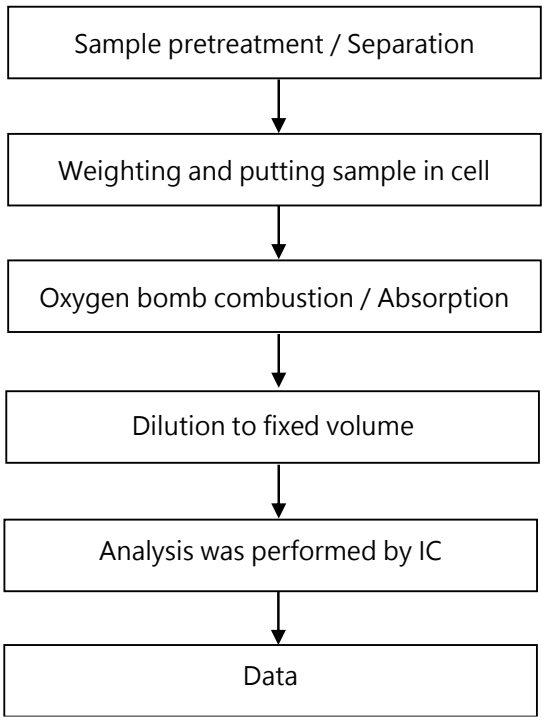
Analytical flow chart - HBCDD



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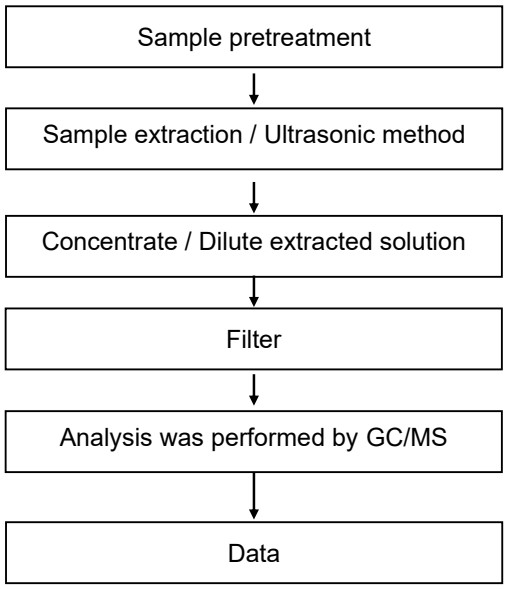
Analytical flow chart - Halogen



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HSUAN SHAN PACKING CORPORATION
NO. 17, SHANGFA 1ST RD., DALIAO DIST., KAOHSIUNG CITY 831, TAIWAN (R.O.C.)

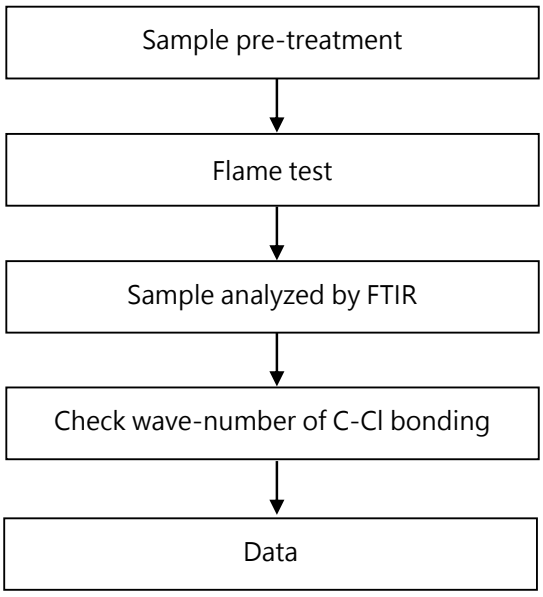
Analytical flow chart - Dimethyl Fumarate



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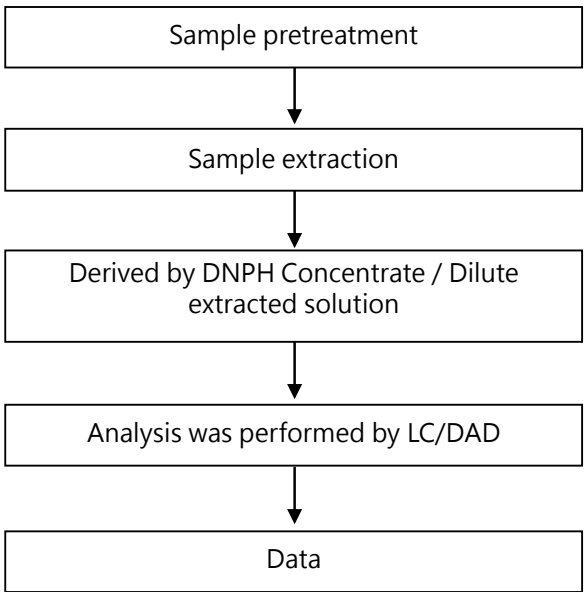
Analysis flow chart - PVC



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Analytical flow chart - Formaldehyde



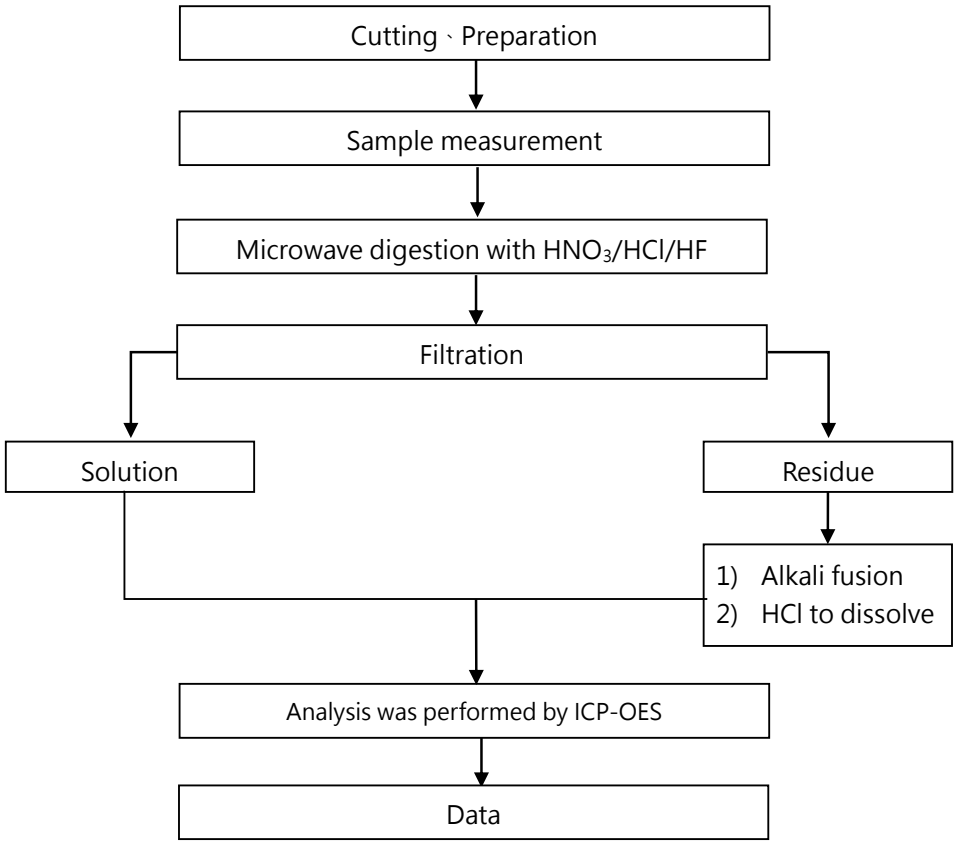
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Analytical flow chart of elements (Heavy metal included)

These samples were dissolved totally by pre-conditioning method according to below flow chart.

【Reference method：US EPA 3051A、US EPA 3052】

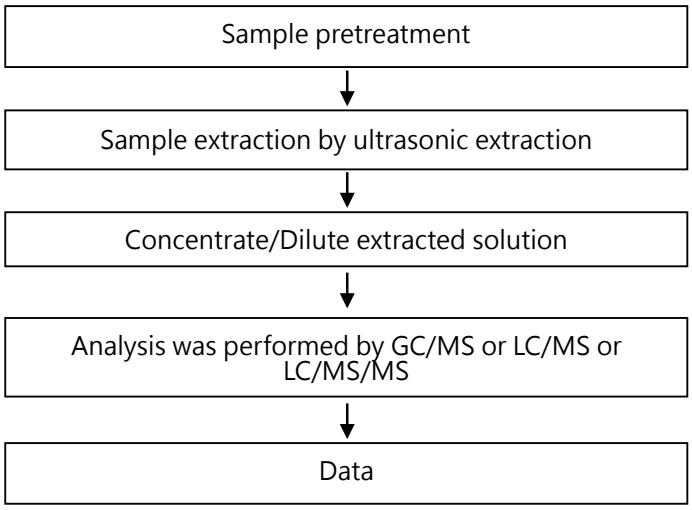


* US EPA 3051A method does not add HF.

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Analytical flow chart – PFAS (including PFOA/PFOS/its related compound, etc.)



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*** The tested sample / part is marked by an arrow if it's shown on the photo. ***

ETR26A05153



** End of Report **

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