

Test Report No.: CANEC25018701001 **Date:** Aug 15, 2025 Page 1 of 27

Client Name: QPL LIMITED

Client Address: NO. 9 MU LIN ROAD, CHANG AN TOWN, DONGGUAN, GUANGDONG, PEOPLE'S

REPUBLIC CHINA.

Sample Name: Silver (Ag) Plating

Client Ref. Information: Sample may cover PDIP, PLCC, QFN, FCQFN,PQFN,DFN, LPCC, QFP,

LQFP, TQFP, SIP, SOIC, SOP, SSOP, TSOP TSSOP, SOT, SOD, TO, ZIP,

FBP,LED,LFGA/ELP, HD-BU, HD-EB Leadframes and Heatsinks

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

SGS Job No.: SZP25-036370 Sample Receiving Date: Jul 31, 2025

Testing Period: Jul 31, 2025 ~ Aug 06, 2025

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

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

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

Test Requirement	Conclusion
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)	Pass
EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium and Hexavalent chromium	Pass
Tetrabromobisphenol A (TBBP-A)	See Results
Alkanes C14-C17, chloro (medium- chain chlorinated paraffins) (MCCPs)	See Results
European Regulation POPs (EU) 2019/1021 Annex I– Alkanes C ₁₀ -C ₁₃ , chloro (short chain-chlorinated paraffins) (SCCPs)	Pass
Halogen	See Results
Element(s)	See Results

Signed for and on behalf of

SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch

Allie Chen

Allie Chen

Approved Signatory





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Test Requirement	Conclusion
European Regulation POPs (EU) 2025/718 amending Regulation (EU) 2019/1021 Annex I - Perfluorooctanoic acid (PFOA) and its salts, PFOA-related compounds, Perfluorooctane sulfonic acid (PFOS) and its salts, PFOS-related compounds	Pass
Phthalates	See Results
Dimethyl fumarate (DMFu)	See Results
Flame Retardants	See Results
Organic-Tin compounds	See Results
PCBs	See Results
PCNs	See Results
PCTs	See Results
Polyvinyl chloride (PVC)	See Results

Test Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN25-0187010-0001.C001	Silver-white plated metal
SN2	A2	CAN25-0187010-0001.C002	Silver-white plating on metal

Remarks:

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

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU - Lead, Mercury, Cadmium, Hexavalent chromium, Polybrominated biphenyls (PBB), Polybrominated diphenyl ethers (PBDE), Bis(2-ethylhexyl) phthalate (DEHP), Butyl benzyl phthalate (BBP), Dibutyl phthalate (DBP) and Diisobutyl phthalate (DIBP)

Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013, IEC 62321-7-1:2015,

IEC 62321-6:2015 and IEC62321-8:2017, analysis was performed by ICP-OES/AAS, UV-

Vis and GC-MS.

Test Item(s)	Limit	Unit(s)	MDL	A1
Lead (Pb)	1000	mg/kg	2	14
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium (Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	-	μg/cm²	0.10	ND
Polybromobiphenyl (PBB)	1000	mg/kg	-	ND
Monobrominated biphenyl (MonoBB)	-	mg/kg	5	ND
Dibrominated biphenyl (DiBB)	-	mg/kg	5	ND



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Test Item(s)	Limit	Unit(s)	MDL	A1
Tribrominated biphenyl (TriBB)	-	mg/kg	5	ND
Tetrabrominated biphenyl (TetraBB)	-	mg/kg	5	ND
Pentabrominated biphenyl (PentaBB)	-	mg/kg	5	ND
Hexabrominated biphenyl (HexaBB)	-	mg/kg	5	ND
Heptabrominated biphenyl (HeptaBB)	-	mg/kg	5	ND
Octabrominated biphenyl (OctaBB)	-	mg/kg	5	ND
Nonabrominated biphenyl (NonaBB)	-	mg/kg	5	ND
Decabrominated biphenyl (DecaBB)	-	mg/kg	5	ND
Polybromodiphenyl ether(PBDE)	1000	mg/kg	-	ND
Monobrominated diphenyl ether (MonoBDE)	-	mg/kg	5	ND
Dibrominated diphenyl ether (DiBDE)	-	mg/kg	5	ND
Tribrominated diphenyl ether (TriBDE)	-	mg/kg	5	ND
Tetrabrominated diphenyl ether (TetraBDE)	-	mg/kg	5	ND
Pentabrominated diphenyl ether (PentaBDE)	-	mg/kg	5	ND
Hexabrominated diphenyl ether (HexaBDE)	-	mg/kg	5	ND
Heptabrominated diphenyl ether (HeptaBDE)	-	mg/kg	5	ND
Octabrominated diphenyl ether (OctaBDE)	-	mg/kg	5	ND
Nonabrominated diphenyl ether (NonaBDE)	-	mg/kg	5	ND
Decabrominated diphenyl ether (DecaBDE)	-	mg/kg	5	ND
Bis(2-ethylhexyl) phthalate (DEHP)	1000	mg/kg	50	ND
Butyl benzyl phthalate (BBP)	1000	mg/kg	50	ND
Dibutyl phthalate (DBP)	1000	mg/kg	50	ND
Diisobutyl phthalate (DIBP)	1000	mg/kg	50	ND

Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) ▼ = a. The sample is positive for Cr(VI) if the Cr(VI)concentration is greater than 0.13 μg/cm². The sample coating is considered to contain Cr(VI).
 - b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 μg/cm²). The coating is considered a non-Cr(VI) based coating.
 - c. The result between 0.10 μ g/cm² and 0.13 μ g/cm² is considered to be inconclusive-unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

EU RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU- Lead, Mercury, Cadmium and Hexavalent chromium



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Test Method: With reference to IEC 62321-4:2013+AMD1:2017, IEC 62321-5:2013 and IEC 62321-7-

1:2015, analysis was performed by ICP-OES/AAS and UV-Vis.

Test Item(s)	Limit	Unit(s)	MDL	A2
Lead (Pb)	1000	mg/kg	2	ND
Mercury (Hg)	1000	mg/kg	2	ND
Cadmium(Cd)	100	mg/kg	2	ND
Hexavalent Chromium (Cr(VI))▼	-	μg/cm²	0.10	ND

Notes:

- (1) The maximum permissible limit is quoted from RoHS Directive (EU) 2015/863.
- (2) IEC 62321 series is equivalent to EN 62321 series.
- (3) ▼ = a. The sample is positive for Cr(VI) if the Cr(VI)concentration is greater than 0.13 μg/cm². The sample coating is considered to contain Cr(VI).
 - b. The sample is negative for Cr(VI) if Cr(VI) is ND (concentration less than 0.10 $\mu g/cm^2$). The coating is considered a non-Cr(VI) based coating.
 - c. The result between 0.10 μ g/cm² and 0.13 μ g/cm² is considered to be inconclusive-unavoidable coating variations may influence the determination.

Information on storage conditions and production date of the tested sample is unavailable and thus Cr(VI) results represent status of the sample at the time of testing.

Tetrabromobisphenol A (TBBP-A)

Test Method: With reference to US EPA 3550C: 2007, analysis was performed by GC-MS or LC-MS or LC-MS/MS.

Test Item(s)CAS No.Unit(s)MDLA1Tetrabromobisphenol A(TBBP-A)79-94-7mg/kg5ND

Alkanes C14-C17, chloro (medium- chain chlorinated paraffins) (MCCPs)

Test Method: With reference to ISO 22818:2021, analysis was performed by GC-NCI-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Alkanes C ₁₄ -C ₁₇ , chloro (medium- chain chlorinated paraffins) (MCCPs)	85535-85-9 and others	mg/kg	50	ND

<u>European Regulation POPs (EU) 2019/1021 Annex I– Alkanes C₁₀-C₁₃, chloro (short chain-chlorinated paraffins) (SCCPs)</u>

Test Method: With reference to ISO 22818:2021, analysis was performed by GC-NCI-MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
Alkanes, C ₁₀ -C ₁₃ , chloro (short chain- chlorinated paraffins) (SCCPs)	85535-84-8 and others	1500	mg/kg	50	ND
Conclusion		-	-	-	Pass



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Halogen

Test Method: With reference to EN 14582:2016, analysis was performed by IC.

Test Item(s)	Unit(s)	MDL	A1
Fluorine(F)	mg/kg	20	ND
Chlorine(CI)	mg/kg	50	ND
Bromine(Br)	mg/kg	50	ND
lodine(I)	mg/kg	50	ND

Element(s)

Test Method: With reference to US EPA 3050B:1996, analysis was performed by ICP-OES/AAS.

Test Item(s)	Unit(s)	MDL	A1
Arsenic(As)	mg/kg	10	ND
Beryllium(Be)	mg/kg	5	ND
Antimony(Sb)	mg/kg	10	ND
Tin(Sn)	mg/kg	5	208
Antimony Trioxide(Sb ₂ O ₃) ◆	mg/kg	12	ND

Notes:

(1) ◆Calculated concentration of Sb₂O₃ is based on the identified Sb.

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

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

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1	
PFOS, its salts						
Perfluorooctane sulfonic acid (PFOS), its salts^	1763-23-1	0.025	mg/kg	0.010	ND	
PFOS-related compounds						
N-ethylperfluoro-1-octanesulfonamide (N-EtFOSA)	4151-50-2	-	mg/kg	0.010	ND	
N-methylperfluoro-1-octanesulfonamide (N-MeFOSA)	31506-32-8	-	mg/kg	0.010	ND	
2-(N-ethylperfluoro-1-octanesulfonamido)-ethanol (N-EtFOSE)	1691-99-2	-	mg/kg	0.010	ND	
2-(N-methylperfluoro- 1- octanesulfonamido) -ethanol (N- MeFOSE)	24448-09-7	-	mg/kg	0.010	ND	
Perfluorooctane sulfonamide (PFOSA), its salts^	754-91-6	-	mg/kg	0.010	ND	
Perfluorooctane sulfonamidoacetic Acid (FOSAA), its salts^	2806-24-8	-	mg/kg	0.010	ND	



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Test tem(s)	<u> </u>					
octanesulfonamidoacetic Acid (N-MeFOSAA), its salts* N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA), its salts* N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA), its salts* Sum of PFOS-related compounds PFOA, its salts Perfluorooctanoic acid (PFOA), its salts* Perfluorooctanoic acid (N-PFOA) In mg/kg		CAS No.	Limit	Unit(s)	MDL	A1
MeFOSAA), its salts^ N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EIFOSAA), its salts^ PFOA, its salts PFOA, its salts PFOA, its salts N-Ethylperfluorooctanoic acid (PFOA), its salts^ N-Ethylperfluorooctanoic acid (PFOA), its salts^ PFOA-related compounds 11,11,21,21-Perfluorodecanesulfonic acid (8:2 FTI) 11,11,21,21-Perfluorodecanesulfonic acid (8:2 FTICA), its salts N-Ethyl perfluorooctanoate (Me-PFOA) 1308-24-5 1 mg/kg 10,010 10,00 1						
N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA), its salts* Sum of PFOS-related compounds - 1 mg/kg - ND PFOA, its salts Perfluorooctanoic acid (PFOA), its salts^ 335-67-1 0.025 mg/kg 0.010 ND PFOA-related compounds ND ND ND ND ND ND ND ND ND N		2355-31-9	-	mg/kg	0.010	ND
sulfonamidoacetic Acid (N-EtFOSAA), its salts^						
salts^ Perfluorocatonic acid (PFOA), its salts^ 1H, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS), its salts^ 1H, 1H, 2H, 2H-Perfluorocatonate (Me-PFOA) 376-27-2 1 mg/kg 0.200 ND Ethyl perfluorocatonate (EL-PFOA) 370-27-2 1 mg/kg 0.200 ND 1H, 1H, 2H, 2H-Perfluorodecyl 1H, 1H, 2H-Perfluorodecyl 1D, 2H-Perfluorodecyl 1D						
Sum of PFOS-related compounds		2991-50-6	-	mg/kg	0.010	ND
PFOA, its salts						
Perfluoroctanoic acid (PFOA), its salts^ 335-67-1 0.025 mg/kg 0.010 ND		-	1	mg/kg	-	ND
PFOA-related compounds						
HI, 1H, 2H, 2H-Perfluorodecanesulfonic acid (8:2 FTS), its salts^\ ND Methyl perfluorooctanoate (Me-PFOA) 376-27-2 1 mg/kg 0.200 ND	Perfluorooctanoic acid (PFOA), its salts^	335-67-1	0.025	mg/kg	0.010	ND
acid (8:2 FTS), its salts^ Methyl perfluorocatanoate (Me-PFOA) 376-27-2 1 mg/kg 0.200 ND Hthyl perfluorocatanoate (Et-PFOA) 3108-24-5 1 mg/kg 0.200 ND Hth,1H,2H,2H-Perfluorodecyl 1996-88-9 1 mg/kg 0.100 ND Hth,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTMA) 1 mg/kg 0.100 ND Perfluoro-1-iodocatane (PFOI) 507-63-1 1 mg/kg 0.200 ND Perfluoro-1-iodocatane (B:2 TFMA) 1 mg/kg 0.100 ND Hth,1H,2H,2H-Perfluoro-1-decanol (8:2 TFOA), its salts^ 1 mg/kg 0.100 ND Hth,1H,2H,2H-Perfluoro-1-decanol (8:2 TFOA), its salts^ 1 mg/kg 0.100 ND Perfluoro-1-iodocatane (B:2 TFOA), its salts on the salt						
acid (8:2 FT IS), its Salts* Methyl perfluorooctanoate (Me-PFOA) 376-27-2 1 mg/kg 0.200 ND Ethyl perfluorooctanoate (Et-PFOA) 3108-24-5 1 mg/kg 0.200 ND HH, IH, ZH, ZH-Perfluorodecyl methacrylate (8:2 FTMA) 1996-88-9 1 mg/kg 0.100 ND HH, 1H, ZH, ZH-Perfluorodecyl acrylate (8:2 FTA) 1 mg/kg 0.100 ND HH, 1H, ZH, ZH-Perfluorodecyl acrylate (8:2 FTA) 1 mg/kg 0.200 ND Ethyl perfluoro-1-iodooctane (PFOI) 507-63-1 1 mg/kg 0.200 ND Ethyl perfluoro-1-iodooctane (B:2 FTOA), its salts^ 1 1 mg/kg 0.100 ND Ethyl perfluorodecyl perfluoro-1-decanol (8:2 FTOA) 1 mg/kg 0.100 ND Ethyl perfluorodecyl perfluorodecane (B:2 FTOA), its salts 1 mg/kg 0.100 ND Ethyl perfluorodecyl perfluorodecanol (B:2 FTOA), its salts 1 mg/kg 0.100 ND Ethyl perfluorodecyl propanoic acid (7:3 FTSi(O2-H)), its salts 1 mg/kg 0.100 ND Ethyl perfluorodecyl propanoic acid (8:2 FTSi(O2-H)), its salts 1 mg/kg 0.100 ND Ethyl perfluorodecyl propanoic acid (B:2 FTSi(O2-H)), its salts 1 mg/kg 0.100 ND Ethyl perfluorodecyl propanoic acid (B:2 FTSi(O2-H)), its salts 1 mg/kg 0.100 ND Ethyl perfluorodecyl propanoic acid (B:2 FTSi(O2-H)), its salts 1 mg/kg 0.100 ND Ethyl perfluorodecyl propanoic acid (B:2 FTSi(O2-H)), its salts 1 mg/kg 0.100 ND Ethyl perfluorodecyl perfluorodecyl acetate (B:2 37888-04-1 in mg/kg 0.100 ND Ethyl perfluorodecyl acetate (B:2 37888-04-1 in mg/kg 0.100 ND Ethyl perfluorodecyl acetate (B:2 37888-04-1 in mg/kg 0.100 ND		20108 24 4	1	ma/ka	0.010	ND
Ethyl perfluorooctanoate (Et-PFOA) 3108-24-5 1 mg/kg 0.200 ND	acid (8:2 FTS), its salts^	39100-34-4	ı	mg/kg	0.010	טוו
1.1.1.1.2.1.2.1.1.2.1.1.2.1.1.2.1.1.2.1.	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	1	mg/kg	0.200	ND
methacrylate (8:2 FTMA) H1,H1,2H,2H-Perfluorodecyl acrylate (8:2 FTA) Perfluoro-1-iodoctane (PFOI) 27905-45-9 Perfluoro-1-iodoctane (PFOI) 507-63-1 1 mg/kg 0.100 ND Perfluoro-1-iodoctane (PFOI) 507-63-1 1 mg/kg 0.200 ND H2,2H-Perfluorodecane Acid (8:2 FTCA), its salts^ 1 mg/kg 0.100 ND H1,H1,2H,2H-Perfluoro-1-decanol (8:2 FTOH) 1-lodo-1H,1H,2H,2H-Perfluorodecane (8:2 FTI) 1-lodo-1H,1H,2H,2H-Perfluorodecane (8:2 FTI) 1-lodo-1H,1H,2H,2H-Perfluorodecane (8:2 FTI) 1-lodo-1H,1H,2H,2H-Perfluorodecane (8:2 FTI) 1-lodo-1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 101947-16-4 1 mg/kg 0.100 ND ND ND ND ND ND ND ND ND	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	1	mg/kg	0.200	ND
methacrylate (8:2 FTMA) H1,H1,2H,2H-Perfluorodecyl acrylate (8:2 FTA) Perfluoro-1-iodoctane (PFOI) 27905-45-9 Perfluoro-1-iodoctane (PFOI) 507-63-1 1 mg/kg 0.100 ND Perfluoro-1-iodoctane (PFOI) 507-63-1 1 mg/kg 0.200 ND H2,2H-Perfluorodecane Acid (8:2 FTCA), its salts^ 1 mg/kg 0.100 ND H1,H1,2H,2H-Perfluoro-1-decanol (8:2 FTOH) 1-lodo-1H,1H,2H,2H-Perfluorodecane (8:2 FTI) 1-lodo-1H,1H,2H,2H-Perfluorodecane (8:2 FTI) 1-lodo-1H,1H,2H,2H-Perfluorodecane (8:2 FTI) 1-lodo-1H,1H,2H,2H-Perfluorodecane (8:2 FTI) 1-lodo-1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 101947-16-4 1 mg/kg 0.100 ND ND ND ND ND ND ND ND ND		1006 99 0	4		0.100	ND
HI, HI, 2H, 2H-Perfluorodecyl acrylate (8:2 FTA)		1990-88-9	ı	mg/kg	0.100	טא
Refluoro-1-iodooctane (PFOI) 507-63-1 1 mg/kg 0.200 ND ND Perfluoro-1-iodooctane (PFOI) 507-63-1 1 mg/kg 0.200 ND ND PTOA), its salts^ 27854-31-5 1 mg/kg 0.010 ND ND ND ND ND ND ND ND		27005 45 0	4	100 or /1	0.400	ND
Perfluoro-1-iodooctane (PFOI) 507-63-1 1 mg/kg 0.200 ND		2/905-45-9	1	mg/kg	0.100	ND
2H,2H-Perfluorodecane Acid (8:2 27854-31-5 1 mg/kg 0.010 ND H,1H,2H,2H-Perfluoro-1-decanol (8:2 678-39-7 1 mg/kg 0.100 ND 1-lodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI) 2043-53-0 1 mg/kg 0.100 ND 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 101947-16-4 1 mg/kg 0.100 ND 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 101947-16-4 1 mg/kg 0.100 ND 1H,2H,2H-Perfluorodecyl) hydrogen 678-41-1 1 mg/kg 0.010 ND 1H,2H,2H-Perfluoroundecanoic Acid (8:3 FTCA), its salts 34598-33-9 1 mg/kg 0.010 ND 1H,1H,2H-Heptadecafluoro-1-decene (PFDE) 21652-58-4 1 mg/kg 0.010 ND 3-Perfluoroheptyl propanoic acid (7:3 812-70-4 1 mg/kg 0.010 ND 1H,1H,2H,2H-Perfluorodecyltrichlorosilane (8:2 78560-44-8 1 mg/kg 0.100 ND 1H,1H,2H,2H-Perfluoro-2-decenoic acid (8:2 70887-84-2 1 mg/kg 0.010 ND 28 Perfluorophosphinic acid (6:8 PFPi) 610800-34-5 1 mg/kg 0.010 ND 1H,1H,2H,2H-Perfluorodecyl acetate (8:2 37858-04-1 1 mg/kg 0.010 ND 1H,1H,2H,2H,2H-Perfluorodecyl acetate (8:2 37858-04-1		507-63-1	1	mg/kg	0.200	ND
FTCA), its salts^ 1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH) 1-lodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI) 1-lodo-1H,1H,2H,2H-Perfluorodecane (8:2 FTI) 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 FTI) bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP), its salts ^ 2H,2H,3H,3H-Perfluoroundecanoic Acid (8:3 FTCA), its salts^ 1H,1H,2H-Heptadecafluoro-1-decene (PFDE) 3-Perfluoroheptyl propanoic acid (7:3 812-70-4 1 mg/kg 0.010 ND			4			
HI,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)		2/854-31-5	1	mg/kg	0.010	ND
Total		070 00 7	4		0.400	ND
(8:2 FTI) 2043-33-0 1 mg/kg 0.100 ND 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 101947-16-4 1 mg/kg 0.100 ND FTSi(OC ₂ H ₅) ₃) bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-10-10-10-10-10-10-10-10-10-10-10-10-1		678-39-7	1	mg/kg	0.100	ND
(8:2 FTI) 2043-33-0 1 mg/kg 0.100 ND 1H,1H,2H,2H-Perfluorodecyltriethoxysilane (8:2 101947-16-4 1 mg/kg 0.100 ND FTSi(OC ₂ H ₅) ₃) bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-10-10-10-10-10-10-10-10-10-10-10-10-1	1-lodo-1H,1H,2H,2H-perfluorodecane	0040 50 0	4		0.400	ND
1H,1H,2H,2H- Perfluorodecyltriethoxysilane (8:2 101947-16-4 1 mg/kg 0.100 ND FTSi(OC ₂ H ₅) ₃) bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10- heptadecafluorodecyl) hydrogen hy		2043-53-0	1	mg/kg	0.100	ИО
Perfluorodecyltriethoxysilane (8:2						
FTSi(OC ₂ H ₅) ₃) bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10) heptadecafluorodecyl) hydrogen 678-41-1 1 mg/kg 0.010 ND Phosphate (8:2 diPAP), its salts ^ 2H,2H,3H,3H-Perfluoroundecanoic Acid (8:3 FTCA), its salts^ 34598-33-9 1 mg/kg 0.010 ND 1H,1H,2H-Heptadecafluoro-1-decene (PFDE) 21652-58-4 1 mg/kg 0.100 ND 3-Perfluoroheptyl propanoic acid (7:3 FTCA) 812-70-4 1 mg/kg 0.010 ND 1H,1H,2H,2H-Perfluorodecyltrichlorosilane (8:2 FTSiCl ₃)/1H,1H,2H,2H-Perfluorodecyltrimethoxysilane (8:2 FTSi(OCH ₃) ₃) 78560-44-8 / 83048-65-1 1 mg/kg 0.100 ND 2H-Perfluoro-2-decenoic acid (8:2 FTUCA) 70887-84-2 1 mg/kg 0.010 ND 8:8 Perfluorophosphinic acid (6:8 PFPi), its salts^ 40143-79-1 1 mg/kg 0.010 ND 1H,1H,2H,2H-perfluorodecyl acetate (8:2 37858-04-1 1 mg/kg 0.100 ND	Perfluorodecyltriethoxysilane (8:2	101947-16-4	1	mg/kg	0.100	ND
heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP), its salts ^ 678-41-1 1 mg/kg 0.010 ND 2H,2H,3H,3H-Perfluoroundecanoic Acid (8:3 FTCA), its salts^ 34598-33-9 1 mg/kg 0.010 ND 1H,1H,2H-Heptadecafluoro-1-decene (PFDE) 21652-58-4 1 mg/kg 0.100 ND 3-Perfluoroheptyl propanoic acid (7:3 FTCA) 812-70-4 1 mg/kg 0.010 ND 1H,1H,2H,2H-Perfluorodecyltrichlorosilane (8:2 FTSiCl ₃)/ 1H,1H,2H,2H- 78560-44-8 /83048-65-1 1 mg/kg 0.100 ND 2H-Perfluoro-2-decenoic acid (8:2 FTSi(OCH ₃) ₃) 70887-84-2 1 mg/kg 0.010 ND 6:8 Perfluorophosphinic acid (6:8 PFPi) 610800-34-5 1 mg/kg 0.010 ND 8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ 40143-79-1 1 mg/kg 0.010 ND 1H,1H,2H,2H-perfluorodecyl acetate (8:2 37858-04-1 1 mg/kg 0.100 ND						
heptadecafluorodecyl) hydrogen phosphate (8:2 diPAP), its salts ^ 678-41-1 1 mg/kg 0.010 ND 2H,2H,3H,3H-Perfluoroundecanoic Acid (8:3 FTCA), its salts^ 34598-33-9 1 mg/kg 0.010 ND 1H,1H,2H-Heptadecafluoro-1-decene (PFDE) 21652-58-4 1 mg/kg 0.100 ND 3-Perfluoroheptyl propanoic acid (7:3 FTCA) 812-70-4 1 mg/kg 0.010 ND 1H,1H,2H,2H-Perfluorodecyltrichlorosilane (8:2 FTSiCl ₃)/ 1H,1H,2H,2H- 78560-44-8 /83048-65-1 1 mg/kg 0.100 ND 2H-Perfluoro-2-decenoic acid (8:2 FTSi(OCH ₃) ₃) 70887-84-2 1 mg/kg 0.010 ND 6:8 Perfluorophosphinic acid (6:8 PFPi) 610800-34-5 1 mg/kg 0.010 ND 8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ 40143-79-1 1 mg/kg 0.010 ND 1H,1H,2H,2H-perfluorodecyl acetate (8:2 37858-04-1 1 mg/kg 0.100 ND	bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-					
phosphate (8:2 diPAP), its salts ^ 34598-33-9 1 mg/kg 0.010 ND 2H,2H,3H,3H-Perfluoroundecanoic Acid (8:3 FTCA), its salts^ 34598-33-9 1 mg/kg 0.010 ND 1H,1H,2H-Heptadecafluoro-1-decene (PFDE) 21652-58-4 1 mg/kg 0.100 ND 3-Perfluoroheptyl propanoic acid (7:3 FTCA) 812-70-4 1 mg/kg 0.010 ND 1H,1H,2H,2H-Perfluorodecyltrichlorosilane (8:2 FTSiCl ₃)/ 1H,1H,2H,2H-Heptadecafluorohosphinic acid (8:2 FTSi(OCH ₃) ₃) 78560-44-8 /83048-65-1 1 mg/kg 0.100 ND 2H-Perfluoro-2-decenoic acid (8:2 FTGA) 70887-84-2 1 mg/kg 0.010 ND 6:8 Perfluorophosphinic acid (6:8 PFPi) 610800-34-5 1 mg/kg 0.010 ND 8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ 40143-79-1 1 mg/kg 0.010 ND 1H,1H,2H,2H-perfluorodecyl acetate (8:2 37858-04-1 1 mg/kg 0.100 ND		678-41-1	1	mg/kg	0.010	ND
2H,2H,3H,3H-Perfluoroundecanoic Acid (8:3 FTCA), its salts^ 34598-33-9 1 mg/kg 0.010 ND 1H,1H,2H-Heptadecafluoro-1-decene (PFDE) 21652-58-4 1 mg/kg 0.100 ND 3-Perfluoroheptyl propanoic acid (7:3 FTCA) 812-70-4 1 mg/kg 0.010 ND 1H,1H,2H,2H-Perfluorodecyltrichlorosilane (8:2 FTSiCl ₃)/1H,1H,2H,2H-Perfluoro-2-decenoic acid (8:2 FTSi(OCH ₃) ₃) 78560-44-8 /83048-65-1 1 mg/kg 0.100 ND 2H-Perfluoro-2-decenoic acid (8:2 FTUCA) 70887-84-2 1 mg/kg 0.010 ND 8:8 Perfluorophosphinic acid (6:8 PFPi) its salts^ 40143-79-1 1 mg/kg 0.010 ND 1H,1H,2H,2H-perfluorodecyl acetate (8:2 Salts^ 37858-04-1 1 mg/kg 0.100 ND						
1H,1H,2H-Heptadecafluoro-1-decene		24500 22 0	4	no a /l c a	0.040	ND
CPFDE 3-Perfluoroheptyl propanoic acid (7:3 812-70-4 1 mg/kg 0.100 ND	(8:3 FTCA), its salts^	34598-33-9	ı	mg/kg	0.010	ND
CPFDE 3-Perfluoroheptyl propanoic acid (7:3 812-70-4 1 mg/kg 0.100 ND	1H,1H,2H-Heptadecafluoro-1-decene	04650 50 4	4		0.400	ND
### FTCA) 1H,1H,2H,2H- Perfluorodecyltrichlorosilane (8:2 ###################################		21002-08-4	ı	mg/kg	0.100	ND
### FTCA) 1H,1H,2H,2H- Perfluorodecyltrichlorosilane (8:2 ###################################	3-Perfluoroheptyl propanoic acid (7:3	040.70.4	4	100 m /1 cm	0.040	ND
Perfluorodecyltrichlorosilane (8:2 FTSiCl ₃)/ 1H,1H,2H,2H- Perfluorodecyltrimethoxysilane (8:2 FTSi(OCH ₃) ₃) 1 mg/kg 0.100 ND 2H-Perfluoro-2-decenoic acid (8:2 FTUCA) 70887-84-2 1 mg/kg 0.010 ND 6:8 Perfluorophosphinic acid (6:8 PFPi) 610800-34-5 1 mg/kg 0.010 ND 8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ 40143-79-1 1 mg/kg 0.010 ND 1H,1H,2H,2H-perfluorodecyl acetate (8:2 37858-04-1 1 mg/kg 0.100 ND		812-70-4	ı	mg/kg	0.010	ND
FTSiCl ₃)/ 1H,1H,2H,2H- Perfluorodecyltrimethoxysilane (8:2 FTSi(OCH ₃) ₃) 78560-44-8 /83048-65-1 1 mg/kg 0.100 ND 2H-Perfluoro-2-decenoic acid (8:2 FTUCA) 70887-84-2 1 mg/kg 0.010 ND 6:8 Perfluorophosphinic acid (6:8 PFPi) 610800-34-5 1 mg/kg 0.010 ND 8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ 40143-79-1 1 mg/kg 0.010 ND 1H,1H,2H,2H-perfluorodecyl acetate (8:2 37858-04-1 1 mg/kg 0.100 ND	1H,1H,2H,2H-					
FTSiCl ₃)/ 1H,1H,2H,2H- Perfluorodecyltrimethoxysilane (8:2 FTSi(OCH ₃) ₃) 78560-44-8 /83048-65-1 1 mg/kg 0.100 ND 2H-Perfluoro-2-decenoic acid (8:2 FTUCA) 70887-84-2 1 mg/kg 0.010 ND 6:8 Perfluorophosphinic acid (6:8 PFPi) 610800-34-5 1 mg/kg 0.010 ND 8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ 40143-79-1 1 mg/kg 0.010 ND 1H,1H,2H,2H-perfluorodecyl acetate (8:2 37858-04-1 1 mg/kg 0.100 ND	Perfluorodecyltrichlorosilane (8:2					
Perfluorodecyltrimethoxysilane (8:2 FTSi(OCH ₃) ₃) 2H-Perfluoro-2-decenoic acid (8:2 FTUCA) 6:8 Perfluorophosphinic acid (6:8 PFPi) 8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ 1 mg/kg 0.010 ND ND 1H,1H,2H,2H-perfluorodecyl acetate (8:2 37858-04-1 1 mg/kg 0.010 ND		78560-44-8	4	no a /l c a	0.400	ND
$\begin{array}{c ccccccccccccccccccccccccccccccccccc$	1H,1H,2H,2H-	/83048-65-1	ı	mg/kg	0.100	ND
2H-Perfluoro-2-decenoic acid (8:2 FTUCA) 70887-84-2 1 mg/kg 0.010 ND 6:8 Perfluorophosphinic acid (6:8 PFPi) 610800-34-5 1 mg/kg 0.010 ND 8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ 40143-79-1 1 mg/kg 0.010 ND 1H,1H,2H,2H-perfluorodecyl acetate (8:2 37858-04-1 37858-04-1 1 mg/kg 0.100 ND	Perfluorodecyltrimethoxysilane (8:2					
FTUCA) 6:8 Perfluorophosphinic acid (6:8 PFPi) 8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ 1 mg/kg 0.010 ND						
6:8 Perfluorophosphinic acid (6:8 PFPi) 610800-34-5 1 mg/kg 0.010 ND 8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ 1 mg/kg 0.010 ND 1H,1H,2H,2H-perfluorodecyl acetate (8:2 37858-04-1 1 mg/kg 0.100 ND	2H-Perfluoro-2-decenoic acid (8:2	70997 94 2	4	ma/ka	0.010	ND
8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ 1	FTUCA)	10001-04-2	I	mg/kg	0.010	טא
8:8 Perfluorophosphinic acid (8:8 PFPi), its salts^ 1	6:8 Perfluorophosphinic acid (6:8 PFPi)	610800-34-5	1	mg/kg	0.010	ND
1H,1H,2H,2H-perfluorodecyl acetate (8:2	8:8 Perfluorophosphinic acid (8:8 PFPi),	40142 70 4	4		0.010	ND
\ \\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\\	its salts^	40143-79-1	I	mg/kg	0.010	טא
FTOAc) 37606-04-1 1 1119/kg 0.100 ND	1H,1H,2H,2H-perfluorodecyl acetate (8:2	27959 04 4	1	ma/ka	0.100	ND
	FTOAc)	37000-04-1	I	mg/kg	0.100	טא



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Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
8:2 Fluorotelomer phosphate monoester (8:2 monoPAP), its salts^	57678-03-2	1	mg/kg	0.100	ND
Sum of PFOA-related compounds	-	1	mg/kg	-	ND
Conclusion					Pass

Notes:

(1) According to Regulation (EU) 2025/718 amending Regulation (EU) 2019/1021 Annex I, the concentrations of PFOS or any of its salts equal to or below 0,025 mg/kg (0,0000025 % by weight) and all PFOS-related compounds equal to or below 1 mg/kg (0,0001 % by weight) where they are present in substances, mixtures or in articles. Date of applicability: From 3 December 2025.

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

Substance Name	CAS No.
PFOS, its salts & derivatives	•
Perfluorooctane sulfonic acid (PFOS)	1763-23-1
Potassium Perfluorooctanesulfonate (PFOS-K)	2795-39-3
Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
Sodium perfluorooctanesulfonate (PFOS-Na)	4021-47-0
Ammonium perfluorooctanesulfonate (PFOS-NH ₄)	29081-56-9
Perfluorooctane sulfonate diethanolamine salt (PFOS-NH ₂ (C ₂ H ₄ OH) ₂)	70225-14-8
Perfluorooctanesulfonic acid,tetraethylammonium salt (PFOS-	56773-42-3
$N(C_2H_5)_4)$	
N-decyl-N,N-dimethyldecan-1-aminium	251099-16-8
1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate	
$(PFOS-N(C_{10}H_{21})_2(CH_3)_2)$	
TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N(C ₄ H ₉) ₄)	111873-33-7
Perfluorooctane Sulfonyl fluoride (PFOS-F)	307-35-7
Magnesium bis(heptadecafluorooctanesulphonate) (PFOS-Mg)	91036-71-4
Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-	71463-74-6
heptadecafluorooctanesulfonate	
Perfluorooctanesulfonate	45298-90-6
Triethylammonium perfluorooctane sulfonate (PFOS-N(C ₂ H ₅) ₃)	54439-46-2
Tetramethylammonium perfluorooctane sulfonate (PFOS-N(CH ₃) ₄)	56773-44-5
N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C_3H_7) ₃ (C_5H_{11}))	56773-56-9
N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C_4H_9) ₃ (CH_3))	124472-68-0
lodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1)	213740-80-8
Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate	258341-99-0
1-Hexadecylpyridinium perfluoro-1-octanesulfonate	334529-63-4
N,N,N-Triethyldecan-1-aminium heptadecafluorooctane-1-sulfonate	773895-92-4
Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-P (C ₄ H ₉) ₄))	2185049-59-4
Perfluorooctanesulfonic acid diethylamine salt (PFOS-C ₄ H ₁₁ N)	2205029-08-7
heptyldimethyl{2-[(2-methylprop-2-enoyl)oxy]ethyl}azanium	1203998-97-3
nopty announce [(2 monty prop 2 oney) oxylothy just a multi-	1 .200000 0. 0



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	1.9 10, 2020
heptadecafluorooctane-1-sulfonate (PFOS-C ₁₅ H ₃₀ NO ₂)	
Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7
Perfluoro-1-octanesulfonyl chloride (PFOS-CI)	423-60-9
FOSAA, its salts	•
Perfluorooctane sulfonamidoacetic Acid (FOSAA)	2806-24-8
N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA(anion))	909405-47-6
N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4
N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5
N-MeFOSAA, its salts	•
N-Methylperfluoro-1-octanesulfonamidoacetic Acid (N-MeFOSAA)	2355-31-9
2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA(anion))	909405-48-7
Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)	70281-93-5
N-EtFOSAA, its salts	•
N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA)	2991-50-6
Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-	2991-51-7
Et-FOSAA-K)	
2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA(anion))	909405-49-8
Ammonium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-	2991-52-8
FOSAA-NH ₄)	
Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-	3871-50-9
Na)	
PFOSA, its salts	
Perfluorooctane Sulfonamide (PFOSA)	754-91-6
Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9
Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8
Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0
Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH ₄)	76752-72-2
Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C ₆ H ₁₅ N)	76752-82-4
PFOA, its salts & derivatives	•
Perfluorooctanoic acid (PFOA)	335-67-1
Sodium perfluorooctanoate (PFOA-Na)	335-95-5
Potassium perfluorooctanoate (PFOA-K)	2395-00-8
Silver perfluorooctanote (PFOA-Ag)	335-93-3
Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
Lithium perfluorooctanoate (PFOA-Li)	17125-58-5
Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6
Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9
Ocsidin periodocianoate (1 1 OA-03)	i .
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



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Test Report No.: CANEC25018701001 **Date:** Aug 15, 2025 Page 9 of 27

	Aug 10, 2020
Pentadecafluorooctanoate (anion)	45285-51-6
Perfluorooctanoic Anhydride	33496-48-9
N,N,N-Triethylethanaminium perfluorooctanoate	98241-25-9
Perfluorooctanoate N,N,N-Trimethylmethanaminium	32609-65-7
Tetrapropylammonium perfluorooctanoate	277749-00-5
Potassium pentadecafluorooctanoatewater (1/1/2) (PFOA-K(H ₂ O) ₂)	98065-31-7
Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C ₂ H ₇ N)	1376936-03-6
Pentadecafluorooctanoic acidpyridine (1/1) (PFOA-C ₅ H ₅ N)	95658-47-2
pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA- $C_{10}H_{14}N_2$)	1514-68-7
N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-C ₁₁ H ₂₆ N)	927835-01-6
Pentadecafluorooctanoyl chloride (PFOA-CI)	335-64-8
8:2 FTS, its salts	·
1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4
Potassium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-K)	438237-73-1
Ammonium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-NH ₄)	149724-40-3
Sodium 1H,1H,2H,2H-Perfluorodencane sulfonate (8:2 FTS-Na)	27619-96-1
2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS(anion))	481071-78-7
2-(Perfluorooctyl)ethanesulfonyl chloride (8:2 FTS-CI)	27619-90-5
8:2 FTCA, its salts	•
2H,2H-Perfluorodecane Acid (8:2 FTCA)	27854-31-5
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-	882489-14-7
$P(C_4H_9)_4)$	
8:2diPAP, its salts	
Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen phosphate (8:2diPAP)	678-41-1
Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na)	114519-85-6
Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate	57677-97-1
Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH ₄)	93776-20-6
8:2 Fluorotelomer phosphate diester ion (1-)	1411713-91-1
8:3 FTCA, its salts	1
2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)	34598-33-9
Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)	83310-58-1
2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)	67304-23-8
8:8 PFPi, its salts	-
8:8 Perfluorophosphinic acid (8:8 PFPi)	40143-79-1
Bis(heptadecafluorooctyl)phosphinic Acid Sodium Salt (8:8 PFPi-Na)	500776-69-2
Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPi-Er)	500776-70-5
Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPi-Yb)	500776-71-6
8:2 monoPAP, its salts	
8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)	57678-03-2
, , , , , , , , , , , , , , , , ,	



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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

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

Phthalates

Test Method: With reference to IEC 62321-8:2017, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Diisononyl Phthalate (DINP)	28553-12-0 /68515-48-0	mg/kg	50	ND
Di-n-Octyl Phthalate(DNOP)	117-84-0	mg/kg	50	ND
Diisodecyl Phthalate (DIDP)	26761-40-0 /68515-49-1	mg/kg	50	ND
Bis(2-methoxyethyl)phthalate(DMEP)	117-82-8	mg/kg	50	ND
Di-n-Hexyl Phthalate(DnHP)	84-75-3	mg/kg	50	ND
Dipentyl Phthalate (DPENP/DnPP)	131-18-0	mg/kg	50	ND
1,2-Benzenedicarboxylic Acid,di-C6-8-branched alkyl esters,C7-rich(DIHP)	71888-89-6	mg/kg	50	ND
1,2-Benzenedicarboxylic Acid,Di-C7-11- Branched and Linear Alkyl Esters(DHNUP)	68515-42-4	mg/kg	50	ND

Dimethyl fumarate (DMFu)

Test Method: Solvent extraction, analysis was performed by GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Dimethyl Fumarate (DMFu)	624-49-7	mg/kg	0.1	ND

Flame Retardants

Test Method: With reference to US EPA 3550C:2007, analysis was performed by GC-MS/HPLC-DAD-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Hexabromocyclododecane (HBCDD)	134237-50-6			
	/134237-51-7			
	/134237-52-8	mg/kg	5	ND
	/25637-99-4			
	/3194-55-6			



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Organic-Tin compounds

Test Method: SGS In-house method(GZTC CHEM-TOP-031, with reference to ISO 17353:2004),

analysis was performed by GC-MS.

Test Item(s)	Unit(s)	MDL	A1
Dibutyl tin(DBT)	mg/kg	0.02	ND
Tributyl tin(TBT)	mg/kg	0.02	ND
Dioctyl tin(DOT)	mg/kg	0.02	ND
Triphenyl tin(TPhT)	mg/kg	0.02	ND
Tri-n-propyltin(TPT)	mg/kg	0.02	ND
Bis(tributyltin) oxide (TBTO) ◆	mg/kg	0.02	ND

Notes:

(1) ♦ = TBTO is back calculated based on the worst-case scenario of TBT.

PCBs

Test Method: SGS In-house method(GZTC CHEM-TOP-032-01, with reference to EPA 8082A:2007), analysis was performed by GC-ECD/GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
PCBs	1336-36-3	mg/kg	-	ND
2,2',5-Trichlorobiphenyl(PCB18)	37680-65-2	mg/kg	0.2	ND
2,4,4'-Trichlorobiphenyl(PCB28)	7012-37-5	mg/kg	0.2	ND
2,2',5,5'-Tetrachlorobiphenyl(PCB52)	35693-99-3	mg/kg	0.2	ND
2,2',4,5,5'-Pentachlorobiphenyl(PCB101)	37680-73-2	mg/kg	0.2	ND
2,3',4,4',5-Pentachlorobiphenyl(PCB118)	31508-00-6	mg/kg	0.2	ND
2,2',3,4,4',5'- Hexachlorobiphenyl(PCB138)	35065-28-2	mg/kg	0.2	ND
2,2',4,4',5,5'- Hexachlorobiphenyl(PCB153)	35065-27-1	mg/kg	0.2	ND
2,2',3,4,4',5,5'- Heptachlorobiphenyl(PCB180)	35065-29-3	mg/kg	0.2	ND
Sum of 6 PCBs(PCB28、PCB52、 PCB101、PCB138、PCB153、 PCB180)	-	mg/kg	-	ND
Sum of PCBs	-	mg/kg	-	ND

PCNs

Test Method: SGS In-house method(GZTC CHEM-TOP-032-01, with reference to EPA 8082A:2007), analysis was performed by GC-ECD/GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
1-Chlorinated Naphthalene	90-13-1	mg/kg	5	ND
2-Chlorinated Naphthalene	91-58-7	mg/kg	5	ND
1,4-Dichlorinated Naphthalene	1825-31-6	mg/kg	5	ND



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Test Item(s)	CAS No.	Unit(s)	MDL	A1
1,5-Dichlorinated Naphthalene	1825-30-5	mg/kg	5	ND
1,2-Dichlorinated Naphthalene	2050-69-3	mg/kg	5	ND
1,8-Dichlorinated Naphthalene	2050-74-0	mg/kg	5	ND
1,2,3-Trichlorinated Naphthalene	50402-52-3	mg/kg	5	ND
1,2,3,4-Tetrachlorinated Naphthalene	20020-02-4	mg/kg	5	ND
1,2,3,4,6-Pentachlorinated Naphthalene	67922-26-3	mg/kg	5	ND
Octa-Chlorinaed Naphthalene	2234-13-1	mg/kg	5	ND
Sum of PCNs	-	mg/kg	-	ND

PCTs

Test Method: SGS In-house method(GZTC CHEM-TOP-032-01, with reference to EPA 8082A:2007), analysis was performed by GC-ECD/GC-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Aroclor 5432	63496-31-1	mg/kg	2	ND
Aroclor 5442	12642-23-8	mg/kg	2	ND
Aroclor 5460	11126-42-4	mg/kg	2	ND
Sum of PCTs	-	mg/kg	-	ND

Polyvinyl chloride (PVC)

Test Method: SGS In-house method(SGS-CCL-TOP-066-01), analysis was performed by FTIR/HATR.

Test Item(s)	A1	
Polyvinyl chloride (PVC)	Negative	

Notes:

(1) Negative=Undetectable, Positive=Detectable

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



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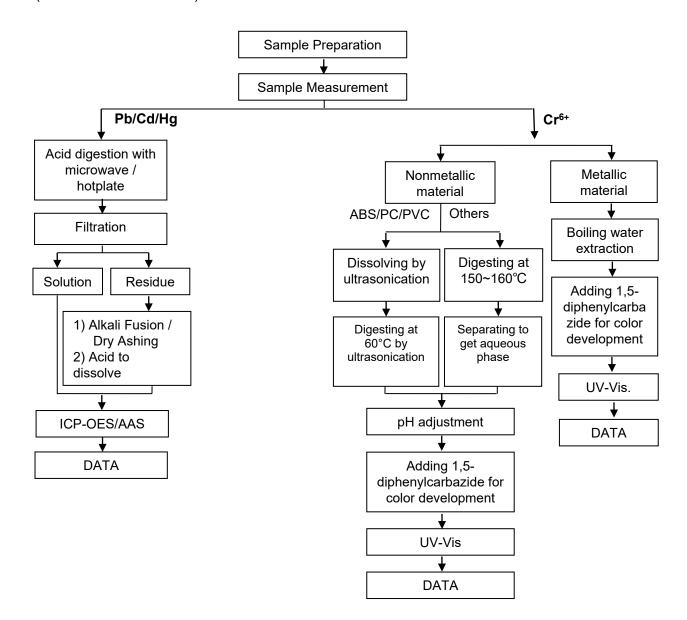


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Attachment:

Pb/Cd/Hg/Cr6+ Testing Flow Chart

- 1) Name of the person who made testing: Edith Zhang//Yam Chen
- 2) Name of the person in charge of testing: Bella Wang
- 3) These samples were dissolved totally by pre-conditioning method according to below flow chart. (Cr⁶⁺ test method excluded).





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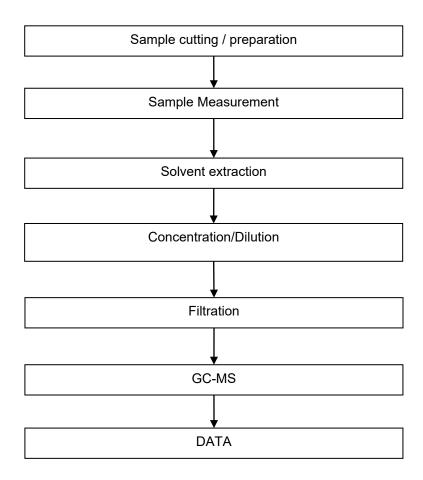


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Attachment:

PBBs / PBDEs / Phthalates Testing Flow Chart

- 1) Name of the person who made testing: Judy Chen
- 2) Name of the person in charge of testing: Qiong Liu





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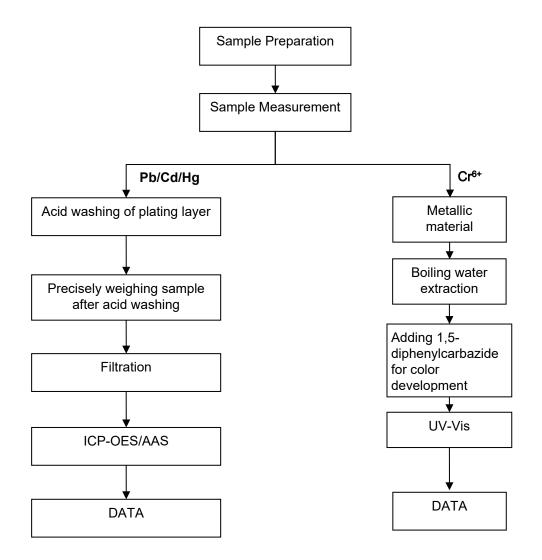


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Attachment:

Plating Pb/Cd/Hg/Cr6+Testing Flow Chart

- 1) Name of the person who made testing: Edith Zhang//Yam Chen
- 2) Name of the person in charge of testing: Bella Wang





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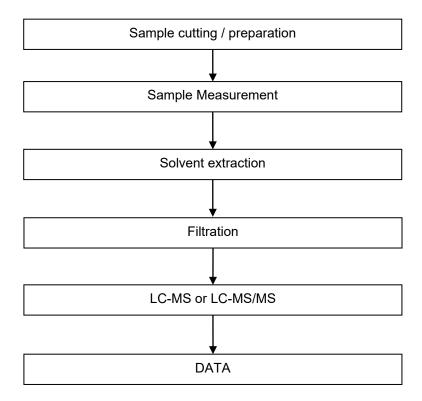


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Attachment:

TBBP-A Testing Flow Chart

- 1) Name of the person who made testing: Olivia Li
- 2) Name of the person in charge of testing: Qiong Liu





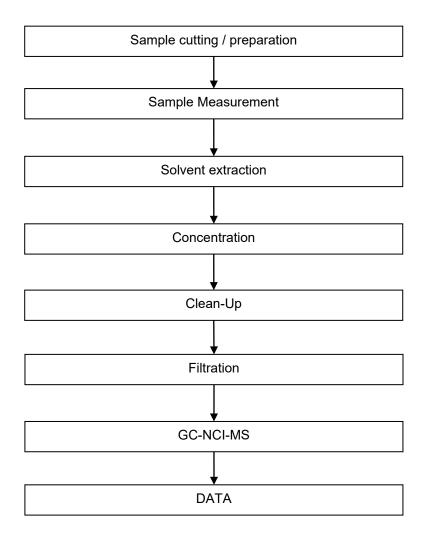


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Attachment:

SCCP/MCCP/LCCP Testing Flow Chart

- 1) Name of the person who made testing: Sunny Hu
- 2) Name of the person in charge of testing: Qiong Liu





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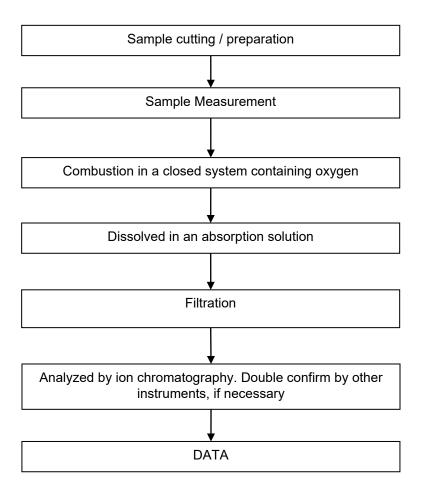


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Attachment:

Halogen Testing Flow Chart

- 1) Name of the person who made testing: Allen Shi
- 2) Name of the person in charge of testing: Bella Wang





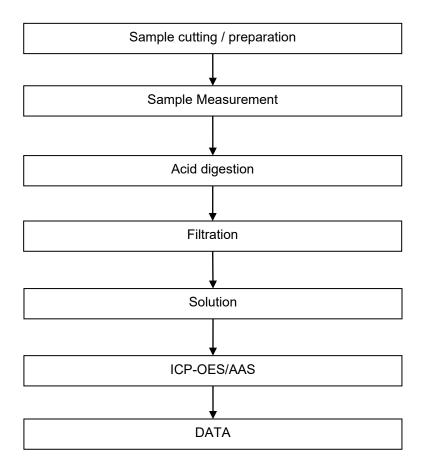


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Attachment:

Elementary Testing Flow Chart

- 1) Name of the person who made testing: Edith Zhang
- 2) Name of the person in charge of testing: Bella Wang





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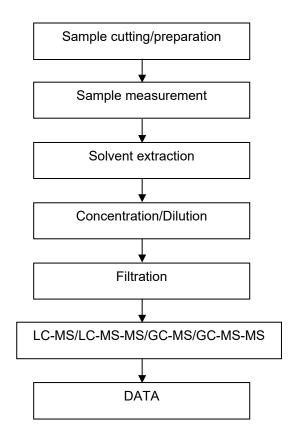
Test Report No.: CANEC25018701001 **Date:** Aug 15, 2025 Page 20 of 27

ATTACHMENTS

PFASs/ PFOS/PFOA Testing Flow Chart

1) Name of the person who made testing: Austin Fang

2) Name of the person in charge of testing: Qiong Liu





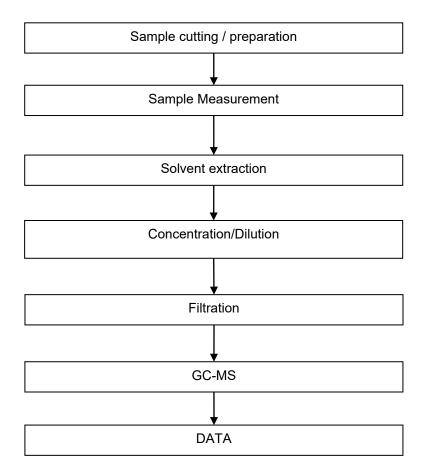


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Attachment:

Phthalates Testing Flow Chart

- 1) Name of the person who made testing: Judy Chen
- 2) Name of the person in charge of testing: Qiong Liu





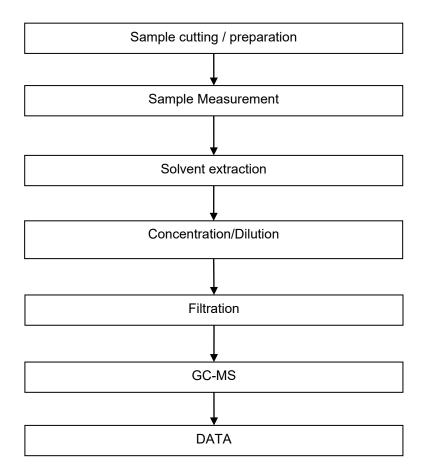


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Attachment:

Dimethyl Fumarate Testing Flow Chart

- 1) Name of the person who made testing: Sunny Hu
- 2) Name of the person in charge of testing: Qiong Liu





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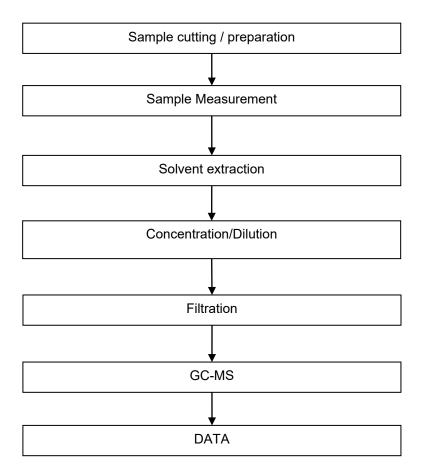


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Attachment:

HBCDD Testing Flow Chart

- 1) Name of the person who made testing: Judy Chen
- 2) Name of the person in charge of testing: Qiong Liu





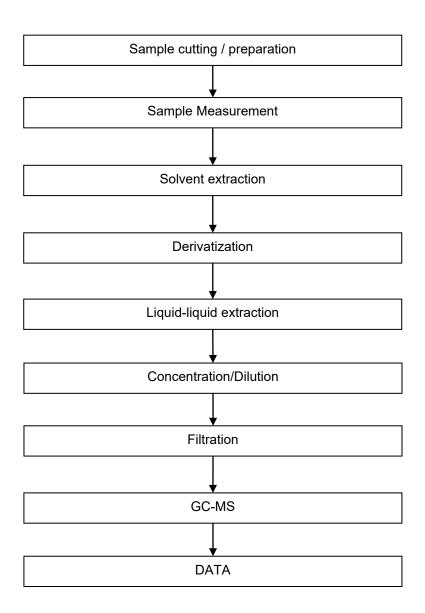


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Attachment:

Organotin Testing Flow Chart

- 1) Name of the person who made testing: Sunny Hu
- 2) Name of the person in charge of testing: Qiong Liu





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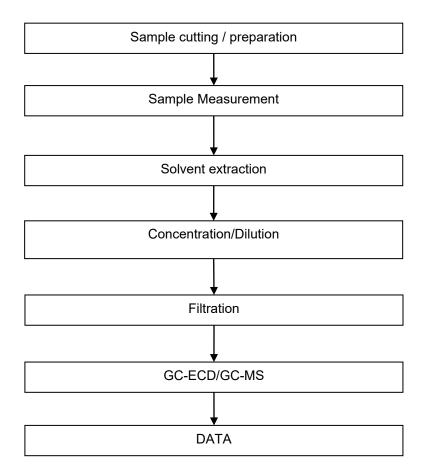


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Attachment:

PCBs, PCTs, PCNs Testing Flow Chart

- 1) Name of the person who made testing: Sunny Hu
- 2) Name of the person in charge of testing: Qiong Liu





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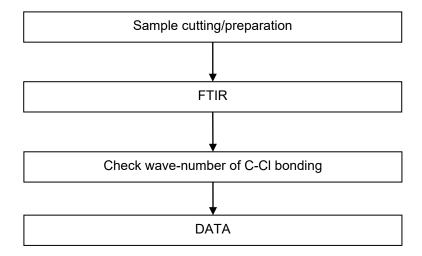


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Attachment:

PVC Testing Flow Chart

- 1) Name of the person who made testing: Sunny Hu
- 2) Name of the person in charge of testing: Qiong Liu

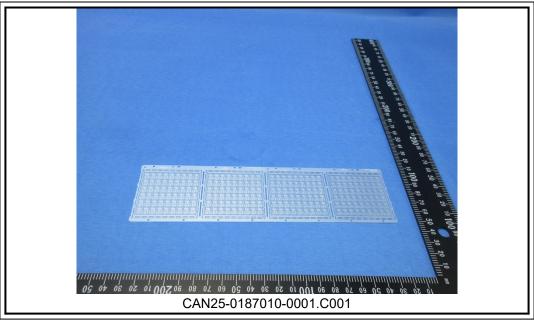


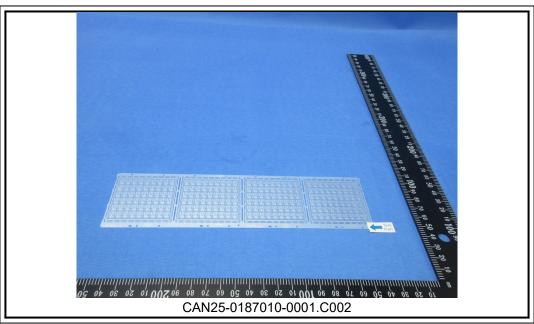




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