

Test Report No.: CANEC24015810501 **Date:** Jul 29, 2024 Page 1 of 13

Client Name: Uniroyal Electronics Industry Co., Ltd.

Client Address: 88 Longteng Road, Economic & Technical Development Zone, Kunshan City, Jiangsu,

CHINA

Sample Name: Chip Resistors

Buyer: Uniroyal Electronics Global Co.,Ltd

Supplier: Uniroyal Electronics Industry Co., Ltd

Aeon Technology Corporation Co.,Ltd.

Royal Electronic Factory (Thailand) Co.,Ltd. Royal Technology (Thailand) Co.,Ltd. UNUS TECHNOLOGY CORPORATION

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

SGS Job No.: XMP24-003314 Sample Receiving Date: Jul 19, 2024

Testing Period: Jul 19, 2024 ~ Jul 26, 2024

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).

Conclusion: According to the specified scope and analytical techniques, concentration of

test Selected POPs do not exceed regulation limit in the submitted sample.

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 Result(s):

Test Part Description:

SN ID	Sample No.	SGS Sample ID	Description
SN1	A1	CAN24-0158105-0001.C001	"Chip Resistors"

Remarks:

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

European Regulation POPs (EU) 2019/1021 Annex I and its amendments

Test Method: SGS In-House method, analysis was performed by GC-MS, GC-NCI-MS, GC-ECD and HPLC-DAD/MS or LC-MS/MS.

Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
Tetrabromodiphenyl ether	40088-47-9 and others	-	mg/kg	5	ND
Pentabromodiphenyl ether	32534-81-9 and others	-	mg/kg	5	ND
Hexabromodiphenyl ether	36483-60-0 and others	-	mg/kg	5	ND
Heptabromodiphenyl ether	68928-80-3 and others	-	mg/kg	5	ND
Decabromodiphenyl ether; (decaBDE)	1163-19-5	-	mg/kg	5	ND
Sum of PBDEs*	-	500	mg/kg	-	ND
PFOS, its salts and related compounds					
Perfluorooctane sulfonic acid (PFOS), its salts^	1763-23-1	-	mg/kg	0.010	ND
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	1	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
N-Methylperfluoro-1- octanesulfonamidoacetic Acid (N- MeFOSAA), its salts^	2355-31-9	-	mg/kg	0.010	ND
N-Ethylperfluorooctane sulfonamidoacetic Acid (N-EtFOSAA), its salts^	2991-50-6	-	mg/kg	0.010	ND



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013010301	Date.	Jul 29, 202	т	rage 3 01
CAS No.	Limit	Unit(s)	MDL	A1
-	1000	mg/kg	-	ND
118-74-1	10	mg/kg	5	ND
608-93-5	Prohibite d	mg/kg	5	ND
1336-36-3 and others	50	mg/kg	5	ND
36355-01-8	Prohibite d	mg/kg	5	ND
134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4, 3194-55-6	100	mg/kg	20	ND
87-68-3	Prohibite d	mg/kg	5	ND
87-86-5 and others	5	mg/kg	0.5	ND
70776-03-3 and others	Prohibite d	mg/kg	5	ND
85535-84-8 and others	1500	mg/kg	50	ND
335-67-1	0.025	mg/kg	0.010	ND
39108-34-4	-	mg/kg	0.010	ND
376-27-2	-	mg/kg	0.200	ND
3108-24-5	-	mg/kg	0.200	ND
27905-45-9	-	mg/kg	0.100	ND
1996-88-9	-	mg/kg	0.100	ND
507-63-1	-	mg/kg	0.200	ND
27854-31-5	-	mg/kg	0.010	ND
678-39-7	-	mg/kg	0.100	ND
2043-53-0	_	mg/kg	0.100	ND
101947-16-4	-	mg/kg	0.100	ND
678-41-1	-	mg/kg	0.010	ND
34598-33-9	-	mg/kg	0.010	ND
21652-58-4	-	mg/kg	0.100	ND
	CAS No.	CAS No. Limit - 1000 118-74-1 10 608-93-5 Prohibite d 1336-36-3 and others 50 36355-01-8 Prohibite d 134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4, 3194-55-6 100 87-68-3 Prohibite d 87-68-3 Prohibite d 87-86-5 and others 5 70776-03-3 and others 1500 335-67-1 0.025 39108-34-4 - 376-27-2 - 3108-24-5 - 27905-45-9 - 1996-88-9 - 507-63-1 - 27854-31-5 - 678-39-7 - 2043-53-0 - 101947-16-4 - 678-41-1 - 34598-33-9 -	CAS No. Limit Unit(s) - 1000 mg/kg 118-74-1 10 mg/kg 608-93-5 Prohibite d mg/kg 1336-36-3 and others 50 mg/kg 36355-01-8 Prohibite d mg/kg 134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4, 3194-55-6 100 mg/kg 87-68-3 Prohibite d mg/kg 87-86-5 and others 5 mg/kg 70776-03-3 and others 1500 mg/kg 85535-84-8 and others 1500 mg/kg 335-67-1 0.025 mg/kg 39108-34-4 - mg/kg 376-27-2 - mg/kg 27905-45-9 - mg/kg 1996-88-9 - mg/kg 507-63-1 - mg/kg 27854-31-5 - mg/kg 678-39-7 - mg/kg 678-39-7 - mg/kg 678-41-1 - mg/kg 678-41-1 - <t< td=""><td>CAS No. Limit Unit(s) MDL - 1000 mg/kg - 118-74-1 10 mg/kg 5 608-93-5 Prohibite d mg/kg 5 1336-36-3 and others 50 mg/kg 5 36355-01-8 Prohibite d mg/kg 5 134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4, 3194-55-6 100 mg/kg 5 87-68-3 Prohibite d mg/kg 5 87-86-5 and others 5 mg/kg 0.5 70776-03-3 and others 1500 mg/kg 5 85535-84-8 and others 1500 mg/kg 50 335-67-1 0.025 mg/kg 0.010 39108-34-4 - mg/kg 0.200 3108-24-5 - mg/kg 0.200 27905-45-9 - mg/kg 0.100 1996-88-9 - mg/kg 0.100 27854-31-5 - mg/kg 0.100 678-39-7 -</td></t<>	CAS No. Limit Unit(s) MDL - 1000 mg/kg - 118-74-1 10 mg/kg 5 608-93-5 Prohibite d mg/kg 5 1336-36-3 and others 50 mg/kg 5 36355-01-8 Prohibite d mg/kg 5 134237-50-6, 134237-51-7, 134237-52-8, 25637-99-4, 3194-55-6 100 mg/kg 5 87-68-3 Prohibite d mg/kg 5 87-86-5 and others 5 mg/kg 0.5 70776-03-3 and others 1500 mg/kg 5 85535-84-8 and others 1500 mg/kg 50 335-67-1 0.025 mg/kg 0.010 39108-34-4 - mg/kg 0.200 3108-24-5 - mg/kg 0.200 27905-45-9 - mg/kg 0.100 1996-88-9 - mg/kg 0.100 27854-31-5 - mg/kg 0.100 678-39-7 -



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Test Item(s)	CAS No.	Limit	Unit(s)	MDL	A1
3-Perfluoroheptyl propanoic acid (7:3	812-70-4	_	mg/kg	0.010	ND
FTCA)	012-70-4	_	mg/kg	0.010	ND
1H,1H,2H,2H-					
Perfluorodecyltrichlorosilane/	78560-44-8	_	mg/kg	0.100	ND
1H,1H,2H,2H-	/83048-65-1	-	ilig/kg	0.100	ND
Perfluorodecyltrimethoxysilane					
2H-Perfluoro-2-decenoic acid (8:2	70887-84-2		mg/kg	0.010	ND
FTUCA)	70007-04-2	•	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),	40143-79-1		ma/ka	0.010	ND
its salts^	40143-79-1	-	mg/kg	0.010	ND
1H,1H,2H,2H-perfluorodecyl acetate (8:2	27050 04 4			0.400	ND
FTOAc)	37858-04-1	-	mg/kg	0.100	ND
8:2 Fluorotelomer phosphate monoester	F7070 00 0			0.400	ND
(8:2 monoPAP), its salts^	57678-03-2	-	mg/kg	0.100	ND
Sum of PFOA-related compounds	-	1	mg/kg	-	ND
Perfluorohexanesulfonic acid (PFHxS),	055 40 4	0.005		0.040	ND
its salts^	355-46-4	0.025	mg/kg	0.010	ND
PFHxS-related compounds					
N-Methylperfluoro-1-hexanesulfonamide	00050 45 4	4	/	0.040	ND
(N-Me-PFHxSA)	68259-15-4	1	mg/kg	0.010	ND
Perfluorohexané sulfonamide (PFHxSA)	41997-13-1	1	mg/kg	0.010	ND
N-[3-(dimethylamino)propyl]			3 3		
tridecafluorohexanesulphonamide (N-	50598-28-2	1	mg/kg	0.010	ND
AP-FHxSA)		-			
2-[methyl[(tridecafluorohexyl)					
sulphonyl]amino]ethyl acrylate)) (N-	67584-57-0	1	mg/kg	0.200	ND
MeFHSEA)	0,00,0,0	•	9,9	0.200	.,,5
2-Propenoic acid, 2-methyl-, 2-					
[methyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-					
tridecafluorohexyl)sulfonyl]amino]ethyl	67584-61-6	1	mg/kg	0.200	ND
ester					
2-Propenoic acid, 2-methyl-, 2-					
[ethyl[(1,1,2,2,3,3,4,4,5,5,6,6,6-					
tridecafluorohexyl)sulfonyl]amino]ethyl	67906-70-1	1	mg/kg	0.200	ND
ester					
1-Hexanesulfonamide,					
1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-N-	68555-75-9	1	mg/kg	0.010	ND
(2-hydroxyethyl)-N-methyl-(MeFHxSE)		•		· -	-
Glycine, N-ethyl-N-					
[(1,1,2,2,3,3,4,4,5,5,6,6,6-					
tridecafluorohexyl)sulfonyl] (EtFHxSAA),	68957-32-4	1	mg/kg	0.010	ND
its salts^					
Sum of PFHxS-related compounds	-	1	mg/kg	-	ND
Conclusion	1	· ·	, ··· <i>ʊ</i>		Pass

Notes:

- (1) Substances in Annex I of European Regulation POPs (EU) 2019/1021 Annex I are prohibited in preparations and constituents of articles unless otherwise specified.

(2) Exemptions: Tetrabromodiphenyl ether, pentabromodiphenyl ether, hexabromodiphenyl ether, unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at https://www.sgs.com/en/Terms-and-Conditions. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's Services of the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's Any under the transaction documents. This document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document to annot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested.

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heptabromodiphenyl ether and decabromodiphenyl ether are ≤ 10 mg/kg for substances, and Sum of tetra-, penta-, hexa-, hepta- and decaBDE ≤500 mg/kg for mixtures or articles, this restriction is subject to subject to review and assessment by the European by 16 July 2021.

- (3) Exemption: Tetrabromodiphenyl ether, pentabromodiphenyl ether, hexabromodiphenyl ether, heptabromodiphenyl ether and decabromodiphenyl ether in electrical and electronic equipment within the scope of Directive 2011/65/EU are exempted.
- (4) Exemption: Alkanes C10-13, chloro (short chain-chlorinated paraffins) (SCCPs) < 1.0% (w/w) in preparation, <0.15% (w/w) for articles.
- (5) Exemptions: Perfluorooctane sulfonic acid (PFOS) and its derivatives (acid, metal salt, halide, amide, and other derivatives including polymers) ≤ 10 mg/kg for preparations, < 0.1% (w/w) for articles and < 1μg/m² for textiles and coated materials.
- (6) Exemptions: HBCDD no more than 100 mg/kg as an unintentional trace contaminant in substances, mixtures, articles or flame-retarded parts of articles.
- (7) Sum of PBDEs* Means Sum of Tetrabromodiphenyl ether, Pentabromodiphenyl ether, Hexabromodiphenyl ether, Heptabromodiphenyl ether and Decabromodiphenyl ether.
- (8) ^=Substances of PFOS, PFOA and PFOA-related compounds refer to their salts/derivatives 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-N(C ₂ H 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-N($C_{10}H_{21}$) ₂ (CH_{3}) ₂)	251099-16-8				
TetrabutylAmmonium perfluorooctanesulfonate (PFOS-N(C ₄ H ₉) ₄)	111873-33-7				
Perfluorooctane Sulfonyl fluoride (PFOS-F)	307-35-7				
Magnesium bis(heptadecafluorooctanesulphonate) (PFOS-Mg)	91036-71-4				
Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctanesulfonate	71463-74-6				
Perfluorooctanesulfonate	45298-90-6				
Triethylammonium perfluorooctane sulfonate (PFOS-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 ₃ H ₇) ₃ (C ₅ H ₁₁))	56773-56-9				
N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate (PFOS-N(C ₄ H ₉) ₃ (CH ₃))	124472-68-0				
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				



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23-92-7
306-24-8
)9405-47-6
5260-69-4
5716-87-5
355-31-9
)9405-48-7
)281-93-5
991-50-6
991-51-7
9405-49-8
91-52-8
371-50-9
54-91-6
752-79-9
3752-78-8
6752-70-0
3752-72-2
3752-82-4
35-67-1
35-95-5
395-00-8
35-93-3
35-66-0
35-66-0 325-26-1
325-26-1
325-26-1 7125-58-5
325-26-1 7125-58-5 5965-01-6
325-26-1 7125-58-5
325-26-1 7125-58-5 5965-01-6 7125-60-9 3141-02-6
325-26-1 7125-58-5 5965-01-6 7125-60-9 3141-02-6
325-26-1 7125-58-5 5965-01-6 7125-60-9 3141-02-6 23-52-9 5285-51-6
325-26-1 7125-58-5 5965-01-6 7125-60-9 3141-02-6 23-52-9 5285-51-6 3496-48-9
325-26-1 7125-58-5 5965-01-6 7125-60-9 3141-02-6 23-52-9 5285-51-6 3496-48-9 3241-25-9
325-26-1 7125-58-5 5965-01-6 7125-60-9 3141-02-6 23-52-9 5285-51-6 3496-48-9 3241-25-9
325-26-1 7125-58-5 5965-01-6 7125-60-9 3141-02-6 23-52-9 5285-51-6 3496-48-9 3241-25-9 2609-65-7
325-26-1 7125-58-5 5965-01-6 7125-60-9 3141-02-6 23-52-9 5285-51-6 3496-48-9 3241-25-9



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•					
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				
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				
8:2 FTCA, its salts					
2H,2H-Perfluorodecane Acid (8:2 FTCA)	27854-31-5				
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (8:2 FTCA-P(C ₄ H ₉) ₄)	882489-14-7				
8:2diPAP, its salts					
Bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl) hydrogen	678-41-1				
phosphate (8:2diPAP)					
Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na)	114519-85-6				
Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate	57677-97-1				
Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt (8:2 diPAP-NH ₄)	93776-20-6				
8:2 Fluorotelomer phosphate diester ion (1-)	1411713-91-1				
8:3 FTCA, its salts					
2H,2H,3H,3H-Perfluoroundecanoic acid (8:3 FTCA)	34598-33-9				
Potassium 2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-K)	83310-58-1				
2H,2H,3H,3H-Perfluoroundecanoate (8:3 FTCA-Li)	67304-23-8				
8:8 PFPi, its salts					
8:8 Perfluorophosphinic acid (8:8 PFPi)	40143-79-1				
Bis(heptadecafluorooctyl)phosphinic Acid Sodium Salt (8:8 PFPi-Na)	500776-69-2				
Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPi-Er)	500776-70-5				
Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPi-Yb)	500776-71-6				
8:2 monoPAP, its salts					
8:2 Fluorotelomer phosphate monoester (8:2 monoPAP)	57678-03-2				
Sodium 1H,1H,2H,2H-perfluorodecyl phosphate (8:2 monoPAP-Na)	92678-93-8				

(9) PFHxS, its salts and PFHxS related compounds:

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

Substance	Scope	Specific exemption on intermediate use or other specification	Effective Date
PFHxS and its salts	Substances, mixtures or articles	≤ 0.025 mg/kg	August 28, 2023
PFHxS-related compounds	Substances, mixtures or articles	≤ 1 mg/kg (individual or sum of all)	August 28, 2023
PFHxS, its salts and PFHxS-related compounds	Concentrated firefighting foam	≤ 0.1 mg/kg (to be reviewed within three years after entry into force of this amending regulation with a view to lower the limit)	August 28, 2023

(b) The tested perfluorohexane sulfonic acid (PFHxS), its salts and PFHxS-related compounds in this



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report comes from the "Listed under the POPs Regulation" of ECHA, please find more information via below weblink: <u>List of substances proposed as POPs - ECHA (europa.eu)</u>

(c) ^=Substances of PFHxS refer its salts/derivative listed in below table.

PFHxS, its salts & derivatives	
Perfluorohexanesulfonic acid (PFHxS)	355-46-4
Perfluorohexanesulfonate Na-salt (PFHxS-Na)	82382-12-5
Perfluorohexanesulfonate K-salt (PFHxS-K)	3871-99-6
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, lithium salt (1:1) (PFHxS-Li)	55120-77-9
Ammonium perfluorohexane-1-sulphonate (PFHxS-NH ₄)	68259-08-5
Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-BTPP)	1000597-52-3
N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate(PFHxS-N(C ₄ H ₉) ₄)	108427-54-9
N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate(PFHxS-N(C ₂ H ₅) ₄)	108427-55-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With pyrrolidine (1:1) (PFHxS-NC ₄ H ₉)	1187817-57-7
Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (Calculated in terms of PFHxS) (PFHxS-(NC ₁₀ H ₁₄) ₃ C ₅ H ₄)	1310480-24-0
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-(NC ₈ H ₁₀) ₂ C ₁₃ H ₁₂)	1310480-27-3
Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-(NC ₈ H ₁₀) ₂ C ₁₇ H ₁₂)	1310480-28-4
Beta-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1) (PFHxS-C ₄₂ H ₇₀ O ₃₅)	1329995-45-0
Gamma-Cyclodextrin, compd. with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid ion(1-)(1:1)(PFHxS-C ₄₈ H ₈₀ O ₄₀)	1329995-69-8
Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (TPS-PFHxS)	144116-10-9
Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b-hexahydrocyclopent[b]indol-7-yl]ethenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-C ₄₄ H ₃₇ N ₂ O ₂)	1462414-59-0
lodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-I(C_6H_5) ₂)	153443-35-7
Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (PFHxS-TMA)	189274-31-5
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd.with 2-methyl-2-propanamine (1:1)(PFHxS-NH ₂ (CH ₃) ₃)	202189-84-2
lodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-I(C_6H_4) ₂ (C_4H_9) ₂)	213740-81-9
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9CI)(PFHxS-Ga)	341035-71-0



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No.: CANEC24013010301 Date. 30129,	2024 Fag
Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro 1-hexanesulfonate (1:1)(PFHxS-S(C_7H_7) ₂ C_6H_5)	- 341548-85-4
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+) salt (3:1)(PFHxS-Sc)	350836-93-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+) salt (3:1)(PFHxS-Nd)	41184-65-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) sal (3:1)(PFHxS-Y)	t 41242-12-0
Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)(PFHxS- $S_3(C_6H_5)_4(C_6H_4)_2$)	421555-73-9
lodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic(PFHxS-I (C ₆ H ₄) ₂ (C ₅ H ₁₁)	421555-74-0
Perflurohexane sulphonyl fluoride(PFHxS-F)	423-50-7
Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)(PFHxS-S(C ₆ H ₄) ₃ (C ₄ H ₉) ₃)	425670-70-8
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn)	70136-72-0
Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)(PFHxS-NH(C ₂ H ₅ O) ₂)	70225-16-0
1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with N,N-diethylethanamine (1:1)(PFHxS-N(C_2H_5) ₃)	72033-41-1
lodonium, 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) (9Cl) (PFHxS-I(C ₆ H ₄) ₂ (C ₄ H ₉) ₂)	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)(PFHxS-S(C_6H_5) ₂ C_7H_7)	910606-39-2
Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,67tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C_6H_5) ₂ 8 ₁₀ H ₉ O ₂)	911027-68-4
1-Hexanesulfonic acid, 9,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt (1:1) (PFHxS-Cs) (PFHxS-Cs)	92011-17-1
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) (PFHxS-SC ₂₈ H ₃₁ O ₄)	928049-42-7
Perfluorohexylsulfonyl chloride (PFHxS-CI)	55591-23-6
Sulfonium, [4-[(2-methyl-1-oxo-2-propenyl)oxy]phenyl]diphenyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-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 (PFHxS-Sulfonium, propenoate polymer)	911027-69-5
Perfluorohexane sulfonate (anion)	108427-53-8
Tetrabutylphosphonium perfluorohexane sulfonate (PFHxS-P (C ₄ H ₉) 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



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(10)The chemical analysis of substances is performed by means of currently available analytical techniques against substances laid down in Test Requested.

Flame Retardants

Test Method: SGS in house method, analysis was performed by GC-MS/HPLC-DAD-MS.

Test Item(s)	CAS No.	Unit(s)	MDL	A1
Decabromodiphenylethane (DBDPE/DEBD)	84852-53-9	mg/kg	25	ND
Bis(hexachlorocyclopentadieno)cyclooct ane (Dechlorane Plus)	13560-89-9 /135821-03-3 /135821-74-8	mg/kg	5	ND
Hexachlorobenzene(HCB)	118-74-1	mg/kg	5	ND

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.



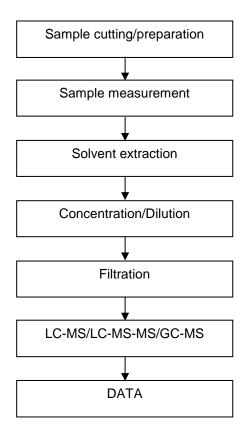
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Test Report ATTACHMENTS

PFASs/ PFOS/PFOA Testing Flow Chart





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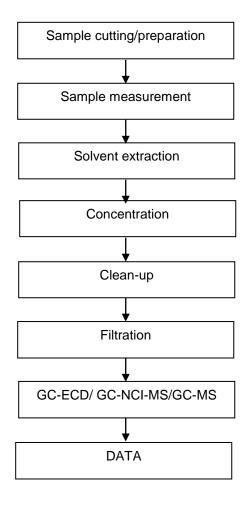
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Test Report ATTACHMENTS

Chlorinated Paraffin Testing Flow Chart





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Sample Photo:



SGS authenticate the photo on original report only

*** End of Report ***



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