



# Test Report

Report No. A226011874010100501

Page 1 of 21

**Company Name** GUANGDONG KEXIN ELECTRONIC CO.,LTD.  
**shown on Report**

**Address** NO.6,LANE 3,FUXIN ROAD,SHANTANGWEI,PINGDI STREET,LONGGANG  
DISTRICT,SHENZHEN,GUANGDONG,CHINA

**The following sample(s) and sample information was/were submitted and identified by/on the behalf of the applicant**

Sample Name	SOT89
Part No.	SOT89
Sample Received Date	Feb. 11, 2026
Testing Period	Feb. 11, 2026 to Feb. 24, 2026

**Test Conducted:**

As requested by the applicant. For details refer to next page(s)



Approved by Hill Zheng  
Hill Zheng  
Technical Manager

Date Feb. 26, 2026

No. R177731616

Centre Testing International Group Co.,Ltd.  
CTI Building, Xing Dong Community, Xin'an Sub-district, Bao'an District, Shenzhen City, Guangdong Province, P.R. China

# Test Report

Report No. A226011874010100501

Page 2 of 21

**Executive Summary:****TEST REQUEST**

Regulation (EU) 2019/1021 on persistent organic pollutants (POPs) and its amendments

- Polybrominated Diphenyl Ethers (PBDEs)
- Perfluorooctane sulfonic acid (PFOS) and its salts & related substances
- Hexabromocyclododecane (HBCDD)
- Short Chain Chlorinated Paraffins (SCCPs)
- DDT (1,1,1-trichloro-2,2-bis (4-chlorophenyl)ethane)
- Chlordane
- Hexachlorocyclohexanes, including Lindane
- Dieldrin
- Endrin
- Heptachlor
- Endosulfan
- Chlordecone
- Aldrin
- Mirex
- Toxaphene
- Hexachlorobenzene
- Hexabromobiphenyl
- Pentachlorobenzene
- Polychlorinated Biphenyls(PCBs)
- Polychlorinated Naphthalenes (PCNs)
- Hexachlorobutadiene (HCBd)
- Pentachlorophenol and its salts and esters
- Perfluorooctanoic acid (PFOA) and its salts & related substances
- Dicofol
- Perfluorohexane-1-sulphonic acid (PFHxS) and its salts & related substances
- Methoxychlor
- 2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)

**CONCLUSION****See test result(s)****PASS**

# Test Report

Report No. A226011874010100501

Page 3 of 21

- Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)

**PASS**

\*\*\*\*\* For further details, please refer to the following page(s) \*\*\*\*\*

# Test Report

Report No. A226011874010100501

Page 4 of 21

**Regulation (EU) 2019/1021 on persistent organic pollutants (POPs) and its amendments**

**▼ Polybrominated Diphenyl Ethers (PBDEs)**

Test Method: IEC 62321-6:2015; Test Equipment: GC-MS

Tested Item(s)	Result (mg/kg)	MDL (mg/kg)
	005	
Tetrabromodiphenyl ether	N.D.	2
Pentabromodiphenyl ether	N.D.	2
Hexabromodiphenyl ether	N.D.	2
Heptabromodiphenyl ether	N.D.	2
Decabromodiphenyl ether	N.D.	2

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

**▼ Perfluorooctane sulfonic acid (PFOS) and its salts & related substances<sup>#</sup>**

Test Method: Refer to EN 17681-1:2025; Test Equipment: LC-MS-MS&GC-MS-MS

Tested Item(s)	CAS No.	Result (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
		005		
PFOS and its salts*	-	N.D.	0.010	--
<b>Perfluorooctane sulfonic acid (PFOS) and its salts</b>	-	N.D.	--	0.025
Perfluoro-1-octanesulfonyl fluoride (PFOSF)	307-35-7	N.D.	0.010	--
N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2	N.D.	0.050	--
N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8	N.D.	0.050	--
2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2	N.D.	0.050	--
2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7	N.D.	0.050	--
PFOSA and its salts*	-	N.D.	0.010	--
N-Me-FOSAA and its salts*	-	N.D.	0.050	--
N-Et-FOSAA and its salts*	-	N.D.	0.050	--
FOSAA and its salts*	-	N.D.	0.010	--
EtFOSEdiPAPs and its salts*	-	N.D.	0.050	--
2-(N-Ethyl-N-(perfluorooctylsulfonyl)amino)ethyl acrylate (EtFOSAC)	423-82-5	N.D.	0.200	--
<b>Perfluorooctane sulfonic acid (PFOS) related substances</b>	-	N.D.	--	1

# Test Report

Report No. A226011874010100501

Page 5 of 21

**Remark:**

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- \* = The substances listed in the List of PFOS and its salts & related substances
- According to Regulation (EU) 2019/1021 on persistent organic pollutants (POPs), Perfluorooctane sulfonic acid (PFOS) and its salts & related substances are defined as a class of chemicals. There is not an official list in the regulation. The conclusion is based on the tested chemicals.

**List of PFOS and its salts & related substances**

No.	Group Name	Substance Name(s)	CAS No.
<b>Perfluorooctane sulfonic acid (PFOS) and its salts</b>			
1	PFOS and its salts	Perfluorooctane Sulfonates (PFOS)	1763-23-1
2		Perfluorooctanesulfonic acid, potassium salt (PFOS-K)	2795-39-3
3		Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)	29457-72-5
4		Sodium perfluorooctane sulfonate (PFOS-Na)	4021-47-0
5		1-Octanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-, magnesium salt (2:1) (PFOS-Mg)	91036-71-4
6		Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH <sub>4</sub> )	29081-56-9
7		Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) <sub>2</sub> )	70225-14-8
8		Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> )	56773-42-3
9		Tetrabutylammonium perfluorooctanesulfonate (PFOS-NH(C <sub>16</sub> H <sub>36</sub> ))	111873-33-7
10		Didecyl dimethyl ammonium perfluorooctane sulfonate (PFOS-DDA)	251099-16-8
11		Piperidine 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctanesulfonate	71463-74-6
12		Tetramethylammonium perfluorooctane sulfonate (PFOS-C <sub>4</sub> H <sub>12</sub> N)	56773-44-5
13		Perfluorooctanesulfonic acid diethylamine salt (PFOS-C <sub>4</sub> H <sub>11</sub> N)	2205029-08-7
14		Triethylammonium perfluorooctane sulfonate (PFOS-C <sub>6</sub> H <sub>15</sub> N)	54439-46-2
15		N,N-Dibutyl-N-methylbutan-1-aminium heptafluorooctane-1-sulfonate (PFOS-C <sub>13</sub> H <sub>30</sub> N)	124472-68-0
16		N,N,N-Tripropylpentan-1-aminium heptafluorooctane-1-sulfonate (PFOS-C <sub>14</sub> H <sub>32</sub> N)	56773-56-9
17		Tetrabutylphosphonium perfluorooctane sulfonate (PFOS-C <sub>16</sub> H <sub>36</sub> P)	2185049-59-4
18		Heptyldimethyl {2-[(2-methylprop-2-enoyl)oxy]ethyl} azanium heptafluorooctane-1-sulfonate (PFOS-C <sub>15</sub> H <sub>30</sub> NO <sub>2</sub> )	1203998-97-3
19		Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1) (PFOS-C <sub>20</sub> H <sub>26</sub> I)	213740-80-8
20		Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate (PFOS-C <sub>21</sub> H <sub>21</sub> S)	258341-99-0
21		1-Hexadecylpyridinium perfluoro-1-octanesulfonate (PFOS-C <sub>21</sub> H <sub>38</sub> N)	334529-63-4
22		Perfluorooctane sulfonic anhydride (PFOSAN)	423-92-7
23		N,N,N-Triethyldecane-1-aminium heptafluorooctane-1-sulfonate (PFOS-C <sub>16</sub> H <sub>36</sub> N)	773895-92-4
24		Perfluorooctanesulfonate (PFOS (anion))	45298-90-6
25		Perfluoro-1-octanesulfonyl chloride (PFOS-Cl)	423-60-9
26		Bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluorooctane-1-sulfonate); ytterbium(2+) (PFOS-Yb <sup>2+</sup> )	-
27		Silver perfluorooctanesulfonate (PFOS-Ag)	-

# Test Report

Report No. A226011874010100501

Page 6 of 21

28		Tris(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate); indium(3+) (PFOS-In <sup>3+</sup> )	-
29		Cadmium(2+);bis(1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate) (PFOS-Cd <sup>2+</sup> )	-
<b>Perfluorooctane sulfonic acid (PFOS) related substances</b>			
30	--	Perfluoro-1-octanesulfonyl fluoride (PFOSF)	307-35-7
31	--	N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)	4151-50-2
32	--	N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)	31506-32-8
33	--	2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)	1691-99-2
34	--	2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)	24448-09-7
35	PFOSA and its salts	Perfluorooctanesulfonamide (PFOSA)	754-91-6
36		Perfluorooctanesulfonamide lithium salt (1:1) (PFOSA-Li)	76752-79-9
37		Perfluorooctanesulfonamide Sodium salt (1:1) (PFOSA-Na)	76752-78-8
38		Perfluorooctanesulfonamide Potassium salt (1:1) (PFOSA-K)	76752-70-0
39		Perfluorooctanesulfonamide Ammonium salt (1:1) (PFOSA-NH <sub>4</sub> )	76752-72-2
40		Heptadecafluorooctane-1-sulphonamide, compound with triethylamine (1:1) (PFOSA-C <sub>6</sub> H <sub>15</sub> N)	76752-82-4
41	N-Me-FOSAA and its salts	N-Methyl perfluorooctanesulfonamidoacetic acid (N-Me-FOSAA)	2355-31-9
42		Potassium N-((heptadecafluorooctyl)sulphonyl)-N-methylglycinate (N-Me-FOSAA-K)	70281-93-5
43		2-(N-Methylperfluorooctanesulfonamido)acetate (N-Me-FOSAA (anion))	909405-48-7
44	N-Et-FOSAA and its salts	N-ethyl-N-[(heptadecafluorooctyl)sulphonyl] glycine (N-Et-FOSAA)	2991-50-6
45		Glycine, N-ethyl-N-[(heptadecafluorooctyl)sulfonyl]-, potassium salt (N-Et-FOSAA-K)	2991-51-7
46		Sodium 2-(N-ethylperfluorooctanesulfonamido)acetate (N-Et-FOSAA-Na)	3871-50-9
47		Ammonium 2-(N-ethylperfluorooctanesulfonamido) acetate (N-Et-FOSAA-NH <sub>4</sub> )	2991-52-8
48		2-(N-Ethyl-perfluorooctanesulfonamido)acetate (N-Et-FOSAA (anion))	909405-49-8
49	FOSAA and its salts	Glycine, N-[(heptadecafluorooctyl)sulfonyl]- (FOSAA)	2806-24-8
50		N-[(Perfluorooctyl)sulfonyl]glycine potassium salt (1:1) (FOSAA-K)	75260-69-4
51		N-[(Perfluorooctyl)sulfonyl]glycine sodium salt (1:1) (FOSAA-Na)	115716-87-5
52		N-[(Perfluorooctyl)sulfonyl]glycinate (FOSAA (anion))	909405-47-6
53	EtFOSEdiPAPs and its salts	Bis[2-[N-ethyl(heptadecafluorooctanesulphonyl)amino]ethyl]hydrogen phosphate (EtFOSEdiPAPs)	2965-52-8
54		Ammonium bis(N-ethyl-2-perfluorooctylsulfonaminoethyl)phosphate (EtFOSEdiPAPs-NH <sub>4</sub> )	30381-98-7
55		Sodium bis[2-(N-ethylperfluorooctane-1-sulfonamido)ethyl] phosphate (EtFOSEdiPAPs-Na)	23282-60-2
56	--	2-(N-Ethyl-N-(perfluorooctylsulfonyl)amino)ethyl acrylate (EtFOSAC)	423-82-5

# Test Report

Report No. A226011874010100501

Page 7 of 21

## ▼ Hexabromocyclododecane (HBCDD) #

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>CAS No.</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
		005	(mg/kg)	(mg/kg)
Hexabromocyclododecane (HBCDD)	25637-99-4 3194-55-6 134237-50-6 134237-51-7 134237-52-8	N.D.	5	75

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- 'Hexabromocyclododecane (HBCDD)' means: Hexabromocyclododecane (HBCDD), 1,2,5,6,9,10-hexabromocyclododecane and its main diastereoisomers:  $\alpha$ -HBCDD,  $\beta$ -HBCDD,  $\gamma$ -HBCDD

## ▼ Short Chain Chlorinated Paraffins (SCCPs) #

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS(NCI)

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
	005	(mg/kg)	(mg/kg)
Short Chain Chlorinated Paraffins (SCCPs)	N.D.	100	1500

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

## ▼ DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane) #

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
	005	(mg/kg)	(mg/kg)
DDT (1,1,1-trichloro-2,2-bis(4-chlorophenyl)ethane)	N.D.	5	N.D.

# Test Report

Report No. A226011874010100501

Page 8 of 21

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

## ▼ Chlordane<sup>#</sup>

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	005		
Chlordane	N.D.	5	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

## ▼ Hexachlorocyclohexanes, including Lindane<sup>#</sup>

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	005		
Hexachlorocyclohexanes, including Lindane	N.D.	5	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

## ▼ Dieldrin<sup>#</sup>

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	005		
Dieldrin	N.D.	5	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

# Test Report

Report No. A226011874010100501

Page 9 of 21

**▼ Endrin<sup>#</sup>**

Test Method: Refer to US EPA 3550C:2007 &amp; US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
		(mg/kg)	(mg/kg)
Endrin	N.D.	5	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

**▼ Heptachlor<sup>#</sup>**

Test Method: Refer to US EPA 3550C:2007 &amp; US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
		(mg/kg)	(mg/kg)
Heptachlor	N.D.	5	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

**▼ Endosulfan<sup>#</sup>**

Test Method: Refer to US EPA 3550C:2007 &amp; US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
		(mg/kg)	(mg/kg)
Endosulfan	N.D.	5	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

**▼ Chlordecone<sup>#</sup>**

Test Method: Refer to US EPA 3550C:2007 &amp; US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
		(mg/kg)	(mg/kg)
Chlordecone	N.D.	5	N.D.

# Test Report

Report No. A226011874010100501

Page 10 of 21

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

▼ **Aldrin**<sup>#</sup>

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
	005	(mg/kg)	(mg/kg)
Aldrin	N.D.	5	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

▼ **Mirex**

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
	005	(mg/kg)	(mg/kg)
Mirex	N.D.	5	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

▼ **Toxaphene**<sup>#</sup>

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
	005	(mg/kg)	(mg/kg)
Toxaphene	N.D.	5	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

# Test Report

Report No. A226011874010100501

Page 11 of 21

## ▼ Hexachlorobenzene<sup>#</sup>

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
		(mg/kg)	(mg/kg)
Hexachlorobenzene	N.D.	5	10

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

## ▼ Hexabromobiphenyl

Test Method: IEC 62321-6:2015; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
		(mg/kg)	(mg/kg)
Hexabromobiphenyl	N.D.	5	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

## ▼ Pentachlorobenzene<sup>#</sup>

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
		(mg/kg)	(mg/kg)
Pentachlorobenzene	N.D.	5	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

## ▼ Polychlorinated Biphenyls(PCBs)<sup>#</sup>

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
		(mg/kg)	(mg/kg)
Polychlorinated Biphenyls (PCBs)	N.D.	0.2	N.D.

# Test Report

Report No. A226011874010100501

Page 12 of 21

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

## ▼ Polychlorinated Naphthalenes (PCNs) #

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
	005	(mg/kg)	(mg/kg)
Polychlorinated Naphthalenes (PCNs)	N.D.	5	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

## ▼ Hexachlorobutadiene (HCBd) #

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
	005	(mg/kg)	(mg/kg)
Hexachlorobutadiene (HCBd)	N.D.	20	N.D.

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

## ▼ Pentachlorophenol and its salts and esters #

Test Method: Refer to ISO 17070:2015; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u>	<u>Limit</u>
	005	(mg/kg)	(mg/kg)
Pentachlorophenol and its salts and esters	N.D.	1	5

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- The test result of Pentachlorophenol and its salts and esters is calculated by Pentachlorophenol.

# Test Report

Report No. A226011874010100501

Page 13 of 21

**▼ Perfluorooctanoic acid (PFOA) and its salts & related substances<sup>#</sup>**

Test Method: Refer to EN 17681-1:2025; Test Equipment: LC-MS-MS&GC-MS-MS

Tested Item(s)	CAS No.	Result (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
		005		
PFOA and its salts*	-	N.D.	0.010	--
<b>Perfluorooctanoic acid (PFOA) and its salts</b>	-	N.D.	--	0.025
Methyl perfluorooctanoate (Me-PFOA)	376-27-2	N.D.	0.200	1
Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	N.D.	0.200	1
Perfluorooctyl iodide (PFOI)	507-63-1	N.D.	0.200	1
1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	N.D.	0.100	1
8:2 FTS and its salts*	-	N.D.	0.200	1
1,1,2,2-Tetrahydroperfluorodecyl acrylate (8:2 FTAC)	27905-45-9	N.D.	0.200	1
2-Propenoic acid,2-methyl-,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl ester (8:2 FTMA)	1996-88-9	N.D.	0.200	1
1H,1H,2H,2H-Perfluorodecyltriethoxysilane (PFSI)	101947-16-4	N.D.	0.200	1
Decane,1,1,1,2,2,3,3,3,4,4,5,5,6,6,7,7,8,8-heptadecafluoro-10-iodo- (8:2 FTI)	2043-53-0	N.D.	0.200	1
8:2diPAP and its salts*	-	N.D.	0.200	1
2H,2H-Perfluorodecanoate (H <sub>2</sub> PFDA)	27854-31-5	N.D.	0.010	1
Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (H <sub>2</sub> PFDA-P(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )	882489-14-7	N.D.	0.010	1
H <sub>4</sub> PFUnA and its salts*	-	N.D.	0.010	1
1-Decene,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro- (PFOE)	21652-58-4	N.D.	0.200	1
Perfluorooctylethyltrichlorosilane (FDTS)	78560-44-8	N.D.	0.200	1
Perfluorooctylethyltrimethoxysilane (FDTMOS)	83048-65-1	N.D.	0.200	1
10:2 diPAP and its salts*	-	N.D.	0.200	1
8:2 monoPAPS and its salts*	-	N.D.	0.200	1
2H-Perfluoro-2-decenoic acid (8:2 FTUCA)	70887-84-2	N.D.	0.010	1
Alcohols,C8-14,gamma-omega-perfluoro (C8-14-PFEtOH)	68391-08-2	N.D.	0.200	1
1H,1H,2H,2H-Perfluorodecyl acetate (8:2FTOAc)	37858-04-1	N.D.	0.200	1
8:8 PFPi and its salts*	-	N.D.	0.010	1
PFOPA and its salts*	-	N.D.	0.010	1
1H,1H,2H,2H-Perfluorododecyl acetate (10:2FTOAc)	37858-05-2	N.D.	0.200	1
7:2 sFluorotelomer alcohol (7:2sFTOH)	24015-83-6	N.D.	0.200	1
1H,1H-Perfluorooctylamine (7:1 FTNH <sub>2</sub> )	307-29-9	N.D.	0.200	1
6:8 PFPi and its salts*	-	N.D.	0.010	1
<b>Perfluorooctanoic acid (PFOA) related substances</b>	-	N.D.	--	1

Remark:

# Test Report

Report No. A226011874010100501

Page 14 of 21

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- \* = The substances listed in the List of PFOA and its salts & related substances
- According to Regulation (EU) 2019/1021 on persistent organic pollutants (POPs), Perfluorooctanoic acid (PFOA) and its salts & related substances are defined as a class of chemicals. There is not an official list in the regulation. The conclusion is based on the tested chemicals.

## List of PFOA and its salts & related substances

No.	Group Name	Substance Name(s)	CAS No.
<b>Perfluorooctanoic acid (PFOA) and its salts</b>			
1	PFOA and its salts	Perfluorooctanoic acid (PFOA)	335-67-1
2		Ammonium pentadecafluorooctanoate (APFO)	3825-26-1
3		Sodium perfluorooctanoate (PFOA-Na)	335-95-5
4		Potassium perfluorooctanoate (PFOA-K)	2395-00-8
5		Lithium perfluorooctanoate (PFOA-Li)	17125-58-5
6		Silver perfluorooctanoate (PFOA-Ag)	335-93-3
7		Perfluorooctanoyl fluoride (PFOA-F)	335-66-0
8		Cesium perfluorooctanoate (PFOA-Cs)	17125-60-9
9		Cobalt perfluorooctanoate (PFOA-Co)	35965-01-6
10		Chromium(III) perfluorooctanoate (PFOA-Cr)	68141-02-6
11		N,N,N-Triethylethanaminium perfluorooctanoate (PFOA-NH(C <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )	98241-25-9
12		Tetrapropylammonium perfluorooctanoate (PFOA-NH(C <sub>3</sub> H <sub>7</sub> ) <sub>4</sub> )	277749-00-5
13		Perfluorooctanoate N,N,N-Trimethylmethanaminium (PFOA-NH(C <sub>4</sub> H <sub>11</sub> ) <sub>3</sub> )	32609-65-7
14		Pentadecafluorooctanoic acid-piperazine (2/1) (PFOA-NH(C <sub>4</sub> H <sub>10</sub> N))	423-52-9
15		Potassium pentadecafluorooctanoate-water (1/1/2) (PFOA-K(H <sub>2</sub> O) <sub>2</sub> )	98065-31-7
16		Perfluorooctanoic acid compd. with ethanamine (1:1) (PFOA-C <sub>2</sub> H <sub>7</sub> N)	1376936-03-6
17		Pentadecafluorooctanoic acid-pyridine (1/1) (PFOA-C <sub>5</sub> H <sub>5</sub> N)	95658-47-2
18		Pentadecafluorooctanoic acid- 1-phenylpiperazine(1:1) (PFOA-C <sub>10</sub> H <sub>14</sub> N <sub>2</sub> )	1514-68-7
19		N,N,N-Trimethyloctan-1-aminium pentadecafluorooctanoate (PFOA-C <sub>11</sub> H <sub>26</sub> N)	927835-01-6
20		Perfluorooctanoic Anhydride (PFOAA)	33496-48-9
21		Pentadecafluorooctanoate (anion) (PFOA (anion))	45285-51-6
22		Pentadecafluorooctanoyl chloride (PFOA-Cl)	335-64-8
<b>Perfluorooctanoic acid (PFOA) related substances</b>			
23	--	Methyl perfluorooctanoate (Me-PFOA)	376-27-2
24	--	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5
25	--	Perfluorooctyl iodide (PFOI)	507-63-1
26	--	1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7
27	8:2 FTS and its salts	1H,1H,2H,2H-perfluorodecane sulfonic acid (8:2 FTS)	39108-34-4
28		1H,1H,2H,2H-Perfluorodecane sulfonic Acid Sodium (8:2 FTS-Na)	27619-96-1
29		Potassium 2-(perfluorooctyl)ethane-1-sulfonate (8:2 FTS-K)	438237-73-1
30		8:2 Fluorotelomer sulfonate ammonium salt (8:2 FTS-NH <sub>4</sub> )	149724-40-3
31		2-(Perfluorooctyl)ethane-1-sulfonate (8:2 FTS (anion))	481071-78-7
32		2-(Perfluorooctyl)ethanesulfonyl chloride (8:2 FTS-Cl)	27619-90-5
33	--	1,1,2,2-Tetrahydroperfluorodecyl acrylate (8:2 FTAC)	27905-45-9
34	--	2-Propenoic acid,2-methyl-,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptafluorodecyl ester (8:2 FTMA)	1996-88-9
35	--	1H,1H,2H,2H-Perfluorodecyltriethoxysilane (PFSI)	101947-16-4

# Test Report

Report No. A226011874010100501

Page 15 of 21

36	--	Decane, 1,1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8- heptadecafluoro-10-iodo- (8:2 FTI)	2043-53-0
37	8:2diPAP and its salts	8:2 Fluorotelomer phosphate diester (8:2diPAP)	678-41-1
38		Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-Na)	114519-85-6
39		Ammonium bis(1H,1H,2H,2H-perfluorodecyl)phosphate (8:2diPAP-NH <sub>4</sub> )	93776-20-6
40		Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate (8:2diPAP-C <sub>4</sub> H <sub>11</sub> NO <sub>2</sub> )	57677-97-1
41		8:2 Fluorotelomer phosphate diester ion (1-) (8:2diPAP (anion))	1411713-91-1
42	--	2H,2H-Perfluorodecanoate (H <sub>2</sub> PFDA)	27854-31-5
43	--	Tetrabutylphosphonium 2H,2H-Perfluorodecanoate (H <sub>2</sub> PFDA-P(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )	882489-14-7
44	H <sub>4</sub> PFUnA and its salts	2H,2H,3H,3H-Perfluoroundecanoic acid (H <sub>4</sub> PFUnA)	34598-33-9
45		Potassium 3-(perfluorooctyl)propanoate (H <sub>4</sub> PFUnA-K)	83310-58-1
46		Lithium 3-(perfluorooctyl)propanoate (H <sub>4</sub> PFUnA-Li)	67304-23-8
47	--	1-Decene,3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluoro- (PFOE)	21652-58-4
48	--	Perfluorooctylethyltrichlorosilane (FDTs)	78560-44-8
49	--	Perfluorooctylethyltrimethoxysilane (FDTMOS)	83048-65-1
50	10:2 diPAP and its salts	Bis[2-(perfluorodecyl)ethyl] Phosphate (10:2 diPAP)	1895-26-7
51		Bis((perfluorodecyl)ethyl) hydrogen phosphate 2,2'-iminodiethanol (10:2 diPAP-C <sub>4</sub> H <sub>11</sub> O <sub>2</sub> )	57677-98-2
52	8:2 monoPAPS and its salts	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecyl dihydrogen phosphate (8:2 monoPAPS)	57678-03-2
53		Sodium 1H,1H,2H,2H-perfluorodecyl phosphate (8:2 monoPAPS-Na)	92678-93-8
54		Disodium 1H,1H,2H,2H-perfluorodecylphosphate (8:2 monoPAPS-Na <sub>2</sub> )	438237-75-3
55		8:2 Fluorotelomer diammonium phosphate (8:2 monoPAPS-NH <sub>4</sub> NH <sub>4</sub> )	93857-44-4
56	--	2H-Perfluoro-2-decenoic acid (8:2 FTUCA)	70887-84-2
57	--	Alcohols, C8-14, gamma-omega-perfluoro (C8-14-PFEtOH)	68391-08-2
58	--	1H,1H,2H,2H-Perfluorodecyl acetate (8:2FTOAc)	37858-04-1
59	8:8 PFPi and its salts	Bis(heptadecafluorooctyl)phosphinic acid (8:8 PFPi)	40143-79-1
60		Sodium bis(perfluorooctyl)phosphinate (8:8 PFPi-Na)	500776-69-2
61		Bis(perfluorooctyl) phosphinic acid erbium(3+) salt (8:8 PFPi-Er)	500776-70-5
62		Bis(perfluorooctyl) phosphinic acid ytterbium(3+) salt (8:8 PFPi-Yb)	500776-71-6
63	PFOPA and its salts	(Perfluorooctyl)phosphonic acid (PFOPA)	40143-78-0
64		(Heptadecafluorooctyl)phosphonic acid-4-methylaniline (PFOPA-C <sub>8</sub> H <sub>9</sub> NO)	1263361-03-0
65	--	1H,1H,2H,2H-Perfluorododecyl acetate (10:2FTOAc)	37858-05-2
66	--	7:2 sFluorotelomer alcohol (7:2sFTOH)	24015-83-6
67	--	1H,1H-Perfluorooctylamine (7:1 FTNH <sub>2</sub> )	307-29-9
68	6:8 PFPi and its salts	Perfluorohexylperfluorooctyl phosphinic acid (6:8 PFPi)	610800-34-5
69		Sodium perfluorohexylperfluorooctylphosphinate (6:8 PFPi-Na)	2361298-14-6

## ▼ Dicofo<sup>#</sup>

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

Tested Item(s)	Result (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
Dicofo	N.D.	5	N.D.

# Test Report

Report No. A226011874010100501

Page 16 of 21

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

## ▼ **Perfluorohexane-1-sulphonic acid (PFHxS) and its salts & related substances<sup>#</sup>**

Test Method: Refer to EN 17681-1:2025; Test Equipment: LC-MS-MS&GC-MS-MS

Tested Item(s)	CAS No.	Result (mg/kg)	MDL (mg/kg)	Limit (mg/kg)
		005		
PFHxS and its salts*	-	N.D.	0.010	--
<b>Perfluorohexanesulfonic acid (PFHxS) and its salts</b>	-	N.D.	--	0.025
1-Hexane-sulfonamide,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro- (FHxSA)	41997-13-1	N.D.	0.010	--
N-methylperfluorohexanesulfonamide (MeFHxSA)	68259-15-4	N.D.	0.200	--
N-AP-FHxSA and its salts*	-	N.D.	0.010	--
(N-Methylperfluorohexanesulfonamido)ethyl acrylate (N-MeFHxSA-EA)	67584-57-0	N.D.	0.200	--
EtFHxSAA and its salts*	-	N.D.	0.010	--
N-ethyltridecafluoro-N-(2-hydroxyethyl)hexanesulphonamide (Et-FHxSE)	34455-03-3	N.D.	0.100	--
2-(Methyl((tridecafluoroethyl)sulphonyl)amino) ethyl methacrylate (N-MeFHxSA-EE)	67584-61-6	N.D.	0.100	--
2-(Ethyl((tridecafluoroethyl)sulphonyl)amino) ethyl methacrylate (N-EtFHxSA-EE)	67906-70-1	N.D.	0.100	--
Tridecafluoro-N-(2-hydroxyethyl)-N-methyl-1-hexanesulfonamide (MeFHxSE)	68555-75-9	N.D.	0.100	--
<b>Perfluorohexanesulfonic acid (PFHxS) related substances</b>	-	N.D.	--	1

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million
- \* = The substances listed in the List of PFHxS and its salts & related substances
- According to Regulation (EU) 2019/1021 on persistent organic pollutants (POPs), Perfluorohexane-1-sulphonic acid (PFHxS) and its salts & related substances are defined as a class of chemicals. There is not an official list in the regulation. The conclusion is based on the tested chemicals.

### List of PFHxS and its salts & related substances

No.	Group Name	Substance Name(s)	CAS No.
<b>Perfluorohexanesulfonic acid (PFHxS) and its salts</b>			
1	PFHxS and its	Perfluorohexanesulfonic acid (PFHxS)	355-46-4

# Test Report

Report No. A226011874010100501

Page 17 of 21

2	salts	1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6- tridecafluoro-, sodium salt (PFHxS-Na)	82382-12-5
3		Potassium perfluorohexane-1-sulphonate (PFHxS-K)	3871-99-6
4		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
5		1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt (PFHxS-Zn)	70136-72-0
6		1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt (9Cl) (PFHxS-Ga)	341035-71-0
7		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
8		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
9		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
10		Cesium Perfluorohexanesulfonate (PFHxS-Cs)	92011-17-1
11		1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, ammonium salt (1:1) (PFHxS-NH <sub>4</sub> )	68259-08-5
12		1-Hexanesulfonyl fluoride, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro- (PFHxSF)	423-50-7
13		1,1,2,2,3,3,4,4,5,5,6,6,6-Tridecafluorohexane-1-sulphonyl chloride (PFHxS-Cl)	55591-23-6
14		Perfluorohexylsulfonate (PFHxS (anion))	108427-53-8
15		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 <sub>3</sub> (C <sub>6</sub> H <sub>5</sub> ) <sub>4</sub> (C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> )	421555-73-9
16		Iodonium, bis[4-(1,1-dimethylpropyl)phenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic (PFHxS-I(C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> (C <sub>3</sub> H <sub>11</sub> ) <sub>2</sub> )	421555-74-0
17		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 <sub>6</sub> H <sub>4</sub> ) <sub>3</sub> (C <sub>4</sub> H <sub>9</sub> ) <sub>3</sub> )	425670-70-8
18		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 <sub>2</sub> H <sub>5</sub> ) <sub>3</sub> )	72033-41-1
19		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) (9Cl) (PFHxS-I(C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> (C <sub>4</sub> H <sub>9</sub> ) <sub>2</sub> )	866621-50-3
20		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 <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> C <sub>7</sub> H <sub>7</sub> )	910606-39-2
21		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) (PFHxS-S(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> C <sub>10</sub> H <sub>9</sub> O <sub>2</sub> )	911027-68-4
22		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[3.3.1.1 <sup>3,7</sup> ]dec-2-yl 2-methyl-2-propenoate,3-hydroxytricyclo[3.3.1.1 <sup>3,7</sup> ]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate	911027-69-5
23		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 <sub>28</sub> H <sub>31</sub> O <sub>4</sub> )	928049-42-7
24		Phosphonium, triphenyl(phenylmethyl)-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-P(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> C <sub>7</sub> H <sub>7</sub> )	1000597-52-3
25		1-Butanaminium, N,N,N-tributyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (PFHxS-N(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )	108427-54-9
26		Ethanaminium,N,N,N-triethyl-,salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1) (PFHxS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> )	108427-55-0
27		1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with pyrrolidine (1:1) (PFHxS-NC <sub>4</sub> H <sub>9</sub> )	1187817-57-7

# Test Report

Report No. A226011874010100501

Page 18 of 21

28		Sulfonium, triphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-S(C <sub>6</sub> H <sub>5</sub> ) <sub>3</sub> )	144116-10-9
29		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 <sub>44</sub> H <sub>37</sub> N <sub>2</sub> O <sub>2</sub> )	1462414-59-0
30		Iodonium, diphenyl-,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-I(C <sub>6</sub> H <sub>5</sub> ) <sub>2</sub> )	153443-35-7
31		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-N(CH <sub>3</sub> ) <sub>4</sub> )	189274-31-5
32		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 <sub>2</sub> (CH <sub>3</sub> ) <sub>3</sub> )	202189-84-2
33		Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1) (PFHxS-I(C <sub>6</sub> H <sub>4</sub> ) <sub>2</sub> (C <sub>4</sub> H <sub>9</sub> ) <sub>2</sub> )	213740-81-9
34		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 <sub>7</sub> H <sub>7</sub> ) <sub>2</sub> C <sub>6</sub> H <sub>5</sub> )	341548-85-4
35		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) (PFHxS-(NC <sub>10</sub> H <sub>14</sub> ) <sub>3</sub> C <sub>5</sub> H <sub>4</sub> )	1310480-24-0
36		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 <sub>8</sub> H <sub>10</sub> ) <sub>2</sub> C <sub>13</sub> H <sub>12</sub> )	1310480-27-3
37		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 <sub>8</sub> H <sub>10</sub> ) <sub>2</sub> C <sub>17</sub> H <sub>12</sub> )	1310480-28-4
38		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 <sub>42</sub> H <sub>70</sub> O <sub>35</sub> )	1329995-45-0
39		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 <sub>48</sub> H <sub>80</sub> O <sub>40</sub> )	1329995-69-8
40		Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1) (PFHxS-NH(C <sub>2</sub> H <sub>5</sub> O) <sub>2</sub> )	70225-16-0
41		Tetrabutylphosphonium perfluorohexane sulfonate (PFHxS-P(C <sub>4</sub> H <sub>9</sub> ) <sub>4</sub> )	2310194-12-6
<b>Perfluorohexanesulfonic acid (PFHxS) related substances</b>			
42	--	1-Hexane-sulfonamide,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro- (FHxSA)	41997-13-1
43	--	N-methylperfluorohexanesulfonamide (MeFHxSA)	68259-15-4
44	N-AP-FHxSA and its salts	N-(3-(Dimethylamino)propyl) perfluorohexane sulfonamide (N-AP-FHxSA)	50598-28-2
45		N-(3-(Dimethylamino)propyl)perfluorohexanesulfonamide hydrochloride (N-AP-FHxSA-HCl)	68957-61-9
46		N-[3-(Dimethylamino)propyl]-perfluoro-1-hexanesulfonamide acetate (N-AP-FHxSA-Ace)	73772-33-5
47	--	(N-Methylperfluorohexanesulfonamido)ethyl acrylate (N-MeFHxSA-EA)	67584-57-0
48	EtFHxSAA and its salts	N-Ethyl-N-((tridecafluorohexyl)sulfonyl)glycine (EtFHxSAA)	68957-32-4
49		Potassium N-ethyl-N-(perfluorohexylsulphonyl)glycinate (EtFHxSAA-K)	67584-53-6
50		Sodium N-ethyl-N-(tridecafluorohexyl)sulphonyl)glycinate (EtFHxSAA-Na)	68555-70-4
51	--	N-ethyltridecafluoro-N-(2-hydroxyethyl)hexanesulphonamide (Et-FHxSE)	34455-03-3
52	--	2-(Methyl((tridecafluorohexyl)sulphonyl)amino)ethyl methacrylate (N-MeFHxSA-EE)	67584-61-6
53	--	2-(Ethyl((tridecafluorohexyl)sulphonyl)amino)ethyl methacrylate (N-EtFHxSA-EE)	67906-70-1
54	--	Tridecafluoro-N-(2-hydroxyethyl)-N-methyl-1-hexanesulfonamide (MeFHxSE)	68555-75-9

# Test Report

Report No. A226011874010100501

Page 19 of 21

▼ **Methoxychlor**<sup>#</sup>

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	005		
Methoxychlor	N.D.	0.01	0.01

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

▼ **2-(2H-Benzotriazol-2-yl)-4,6-ditertpentylphenol (UV-328)**<sup>#</sup>

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	005		
2-(2H-Benzotriazol-2-yl)- 4,6-ditertpentylphenol (UV328)	N.D.	0.3	100

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

▼ **Dechlorane plus (including any of its individual anti- and syn-isomers or any combination thereof)**<sup>#</sup>

Test Method: Refer to US EPA 3550C:2007 & US EPA 8270E:2018; Test Equipment: GC-MS(NCI)

<u>Tested Item(s)</u>	<u>Result (mg/kg)</u>	<u>MDL</u> (mg/kg)	<u>Limit</u> (mg/kg)
	005		
Dechlorane plus (including any of its individual anti-and syn-isomers or any combination thereof)	N.D.	1	1000

Remark:

- MDL = Method Detection Limit
- N.D. = Not Detected (<MDL)
- mg/kg = ppm = parts per million

# Test Report

Report No. A226011874010100501

Page 20 of 21

## Sample/Part Description

No.	CTI Sample ID	Description
1	005	Black body(Tested as a whole)

### Note:

- The test result(s) is(are) presented in reference to the result(s) that reported in A2260118740101005.
- The sample(s) was tested as a whole, because it's impossible to disassemble or separate it by current equipment and technology. The result(s) shown on this report may be different from the content of any homogeneous material.
- “#” indicates the item(s)/method(s) is (are) not in CNAS accreditation scope.

# Test Report

Report No. A226011874010100501

Page 21 of 21

## Photo(s) of the sample(s)



### Statement:

1. This report is considered invalid without approved signature, special seal and the seal on the perforation;
2. The Company Name shown on Report and Address, the sample(s) and sample information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified;
3. The result(s) shown in this report refer(s) only to the sample(s) tested;
4. 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 / CNAS-GL015:2022;
5. Without written approval of CTI, this report can't be reproduced except in full;
6. In case of any discrepancy between the English version and Chinese version of the reports (if generated), the Chinese version shall prevail.

\*\*\* End of Report \*\*\*

## Appendix

### Client Reference Information

SOT23/23-3/23-5/23-6/223/89-5/143/143R/153/163/223/323/343/343R/353/363/523/563/723/923/353/363/883,  
SOP4/8/14/16/18/20/24,  
TSSOP8/14/16/18/20/24,DFN/PDFN/QFN,SOD106/123/123F/123FL/123FH/323/323F/323FL/523/723/882/92  
3.D015/27/34/35/41/123AB/201AD,TO92/126/220/220AB/220MF/220F/247/251/252/263/277,LL34/41/43/51,  
SMA/SMAF/SMB/SMBF/SMC,  
0402/0603/0805/1206,R1/3/6,DIP,1N/1Z,SC59/75,ABF/ABS/LBF/DBS/DBJ/DFS/KBL/GBL/GBJ/GBP/MBS/  
MSB/MLP/MDS/MBF/TWB/MB/TSB/WOB/WOG/KBP/KBU/KBPC/TS4B/RB-5

### Statement:

1. The Appendix Information was/were provided by the applicant who should be responsible for the authenticity which CTI hasn't verified.
2. The Appendix Information is/are the supplement(s) for the Report A226011874010100501.

