



Test Report

Applicant : PT Indah Kiat Pulp And Paper Tbk

Date : Jul 11, 2024

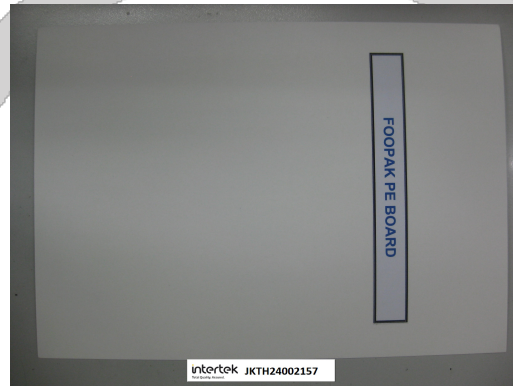
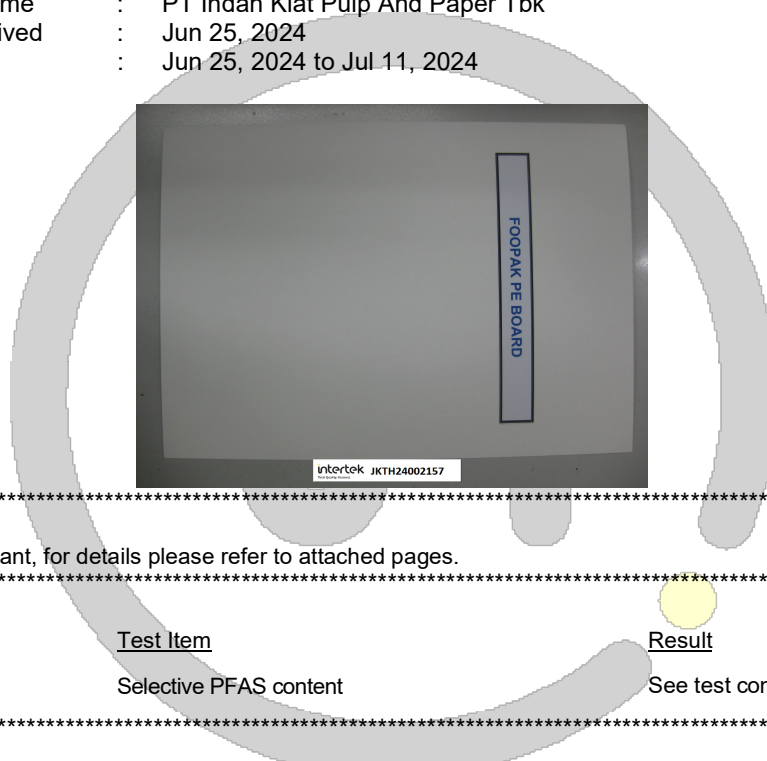
Jl Raya Serang Km 76 Kragilan
Serang Banten 42184

Attn : Fini Fitriani, Tohari Waluyo

Sample description:

One (1) group of submitted sample said to be :

Material Name	:	FOOPAK PE BOARD
Country of Original	:	Indonesia
Manufacturers Name	:	PT Indah Kiat Pulp And Paper Tbk
Date sample received	:	Jun 25, 2024
Testing period	:	Jun 25, 2024 to Jul 11, 2024



Test conducted:

As requested by the applicant, for details please refer to attached pages.

Conclusion:

<u>Tested sample</u>	<u>Test Item</u>	<u>Result</u>
Submitted sample	Selective PFAS content	See test conducted

Remark:

Test subcontracted to Intertek China

^{FN}
Prepared and checked by:
For Intertek Indonesia

Made Widyani
Operation Manager - Testing



Test Report

Report Number: JKTH24002157

Test Conducted:

PFAS Content

By solvent extraction and followed by Liquid Chromatographic / Tandem Mass Spectrometer (LC/MS/MS) analysis and/or Gas Chromatography Mass Spectrometry (GC-MS) analysis.

<u>Test Item</u>	Result (mg/kg) Tested Component
	(1)
PFAS Content Δ	ND

ND = Not detected (less than detection limit)

Δ = The reported value was calculated by summation of substances listed below:

	<u>Substances</u>	<u>CAS No.</u>	<u>Detection Limit (mg/kg)</u>
1	Perfluorobutanoic acid (PFBA)	375-22-4	0.01
2	Ammonium perfluorobutanoate*	10495-86-0	0.01
3	Sodium perfluorobutanoate*	2218-54-4	0.01
4	Potassium heptafluorobutanoate*	2966-54-3	0.01
5	Silver perfluorobutanoate*	3794-64-7	0.01
6	Lithium perfluorobutanoate*	4146-76-3	0.01
7	Perfluoropentanoic acid (PFPeA)	2706-90-3	0.01
8	Sodium perfluoropentanoate*	2706-89-0	0.01
9	Potassium perfluoropentanoate*	336-23-2	0.01
10	Lithium perfluoropentanoate*	198482-22-3	0.01
11	Ammonium perfluoropentanoate*	68259-11-0	0.01
12	Silver perfluoropentanoate*	2795-30-4	0.01
13	Perfluorohexanoic acid (PFHxA)	307-24-4	0.01
14	Ammonium perfluorohexanoate (PFHxA-NH ₄)*	21615-47-4	0.01
15	Sodium perfluorohexanoate*	2923-26-4	0.01
16	Potassium perfluorohexanoate*	3109-94-2	0.01
17	Silver perfluorohexanoate*	336-02-7	0.01
18	Lithium perfluorohexanoate*	90430-61-8	0.01
19	Perfluoroheptanoic acid (PFHpA)	375-85-9	0.01
20	Sodium perfluoroheptanoate*	20109-59-5	0.01
21	Potassium perfluoroheptanoate*	21049-36-5	0.01
22	Ammonium perfluoroheptanoate*	6130-43-4	0.01

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23	Cesium 2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptanoate*	171198-24-6	0.01
24	Silver;2,2,3,3,4,4,5,5,6,6,7,7,7-tridecafluoroheptanoate*	424-05-5	0.01
25	Lithium perfluoroheptanoate*	60871-90-1	0.01
26	Perfluorooctanoic acid (PFOA)	335-67-1	0.01
27	Perfluorooctanoyl fluoride (PFOA-F)*	335-66-0	0.01
28	Silver perfluorooctanoate (PFOA-Ag)*	335-93-3	0.01
29	Sodium perfluorooctanoate (PFOA-Na)*	335-95-5	0.01
30	Potassium perfluorooctanoate (PFOA-K)*	2395-00-8	0.01
31	Ammonium pentadecafluorooctanoate (APFO)*	3825-26-1	0.01
32	Pentadecafluorooctanoic acid--piperazine (2/1)*	423-52-9	0.01
33	Octanoic acid, 2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-pentadecafluoro-, chromium(3+)*	68141-02-6	0.01
34	N,N,N-Triethylethanaminium perfluorooctanoate*	98241-25-9	0.01
35	Perfluorooctanoyl Chloride*	335-64-8	0.01
36	Lithium perfluorooctanoate*	17125-58-5	0.01
37	Cobalt perfluorooctanoate*	35965-01-6	0.01
38	Cesium perfluorooctanoate*	17125-60-9	0.01
39	Perfluorooctanoate N,N,N-Trimethylmethanaminium*	32609-65-7	0.01
40	Tetrapropylammonium perfluorooctanoate*	277749-00-5	0.01
41	Perfluorononanoic acid (PFNA)	375-95-1	0.01
42	Perfluorononanoate ammonium salt (APFN)*	4149-60-4	0.01
43	Perfluorononanoate Na-Salt (PFNA-Na)*	21049-39-8	0.01
44	Potassium perfluorononanoate (PFNA-K)*	21049-38-7	0.01
45	Lithium heptadecafluorononanoate*	60871-92-3	0.01
46	Cyclohexanaminium perfluorononanoate*	328531-06-2	0.01
47	Silver perfluorononanoate*	7358-16-9	0.01
48	Piperidinium perfluorononanoate*	95682-66-9	0.01
49	Methanaminium perfluorononanoate*	77032-23-6	0.01
50	Perfluorodecanoic acid (PFDA)	335-76-2	0.01
51	Perfluorodecanoate ammonium salt (APFDA)*	3108-42-7	0.01
52	Perfluorodecanoate Na-salt (PFDA-Na)*	3830-45-3	0.01
53	Potassium perfluorodecanoate*	51604-85-4	0.01
54	Lithium perfluorodecanoate*	84743-32-8	0.01
55	Silver perfluorodecanoate*	5784-82-7	0.01
56	Perfluoroundecanoic acid (PFUdA)	2058-94-8	0.01

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57	Perfluoroundecanoic acidsodium salt*	60871-96-7	0.01
58	Ammonium perfluoroundecanoate*	4234-23-5	0.01
59	Potassium perfluoroundecanoate*	30377-53-8	0.01
60	Calcium perfluoroundecanoate*	97163-17-2	0.01
61	Perfluorododecanoic acid (PFDoA)	307-55-1	0.01
62	Ammonium Perfluorododecanoate*	3793-74-6	0.01
63	Sodium perfluorododecanoate*	60872-01-7	0.01
64	Perfluorotridecanoic acid (PFTrDA)	72629-94-8	0.01
65	Ammonium perfluorotridecanoate*	4288-72-6	0.01
66	Perfluorotetradecanoic acid (PFTeDA)	376-06-7	0.01
67	Perfluorobutanesulfonic acid (L-PFBS)	375-73-5	0.01
68	Perfluorobutansulfonyl fluoride*	375-72-4	0.01
69	N,N,N-triethylethanaminium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulfonate(PFBS-N(C ₂ H ₅) ₃) ⁺	25628-08-4	0.01
70	Perfluorobutanesulfonate K-salt (PFBS-K)*	29420-49-3	0.01
71	1-Butanesulfonic acid,1,1,2,2,3,3,4,4,4-nonafluoro-,sodium salt (1:1)*	60453-92-1	0.01
72	Lithium perfluorobutanesulfonate*	131651-65-5	0.01
73	Nonafluorobutanesulfonic Acid Hydrate (PFBS-H ₂ O)*	59933-66-3	0.01
74	Triphenylsulfonium Perfluorobutane Sulfonate*	144317-44-2	0.01
75	Dimethyl(phenyl)sulfanium perfluorobutanesulfonate*	220133-51-7	0.01
76	Tetrabutyl-phosphonium nonafluoro-butane-1-sulfonate*	220689-12-3	0.01
77	Morpholinium perfluorobutanesulfonate*	503155-89-3	0.01
78	Magnesium perfluorobutanesulfonate*	507453-86-3	0.01
79	Tetramethylammonium perfluorobutane sulfonate*	25628-17-5	0.01
80	Ammonium 1,1,2,2,3,3,4,4,4-nonafluorobutane-1-sulphonate*	68259-10-9	0.01
81	Perfluorobutanesulfonic Anhydride*	36913-91-4	0.01
82	Perfluorobutanesulfonate*	45187-15-3	0.01
83	N,N,N-Tripropylpentan-1-aminium nonafluorobutane-1-sulfonate*	56773-55-8	0.01
84	Bis(2-hydroxyethyl)ammonium perfluorobutanesulfonate*	70225-18-2	0.01
85	Tetrabutylammonium perfluoro-1-butanesulfonate*	108427-52-7	0.01

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86	N,N-Dibutyl-N-methylbutan-1-aminium nonafluorobutane-1-sulfonate*	124472-66-8	0.01
87	1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate*	--	0.01
88	1,1,2,2,3,3,4,4,4-Nonafluorobutane-1-sulfonylchloride*	2991-84-6	0.01
89	bis(4- <i>t</i> -butylphenyl)iodonium perfluorobutanesulfonate*	194999-85-4	0.01
90	Triethylammonium perfluorobutane sulfonate*	182059-38-7	0.01
91	Diphenyliodonium nonafluorobutane-1-sulfonate*	194999-82-1	0.01
92	1-(4-butoxy-1-naphthyl)tetrahydrothiophenium nonafluorobutane-1-sulfonate*	209482-18-8	0.01
93	Tris(4- <i>tert</i> -butylphenyl)sulfonium perfluorobutanesulfonate*	241806-75-7	0.01
94	N-(2-Hydroxyethyl)-N,N-dimethyl-1-octanaminium perfluoro-1-butanesulfonate (1:1)*	334529-55-4	0.01
95	1-Hexadecylpyridinium perfluoro-1-butanesulfonate*	334529-62-3	0.01
96	1-Butylpyridinium perfluoro-1-butanesulfonate*	334529-64-5	0.01
97	N,N-Dimethyl-N-(propan-2-yl)propan-2-aminium nonafluorobutane-1-sulfonate*	374571-81-0	0.01
98	(4-Cyclohexylphenyl)(diphenyl)sulfanium nonafluorobutane-1-sulfonate*	425670-64-0	0.01
99	N-Methyl-N,N-dioctyl-1-octanaminium perfluoro-1-butanesulfonate*	495417-51-1	0.01
100	Zinc bis(nonafluoro-1-butanesulfonate)*	502457-69-4	0.01
101	Sulfonium, tris(4-methylphenyl)-, salt with perfluoro-1-butanesulfonic acid (1:1)*	722538-68-3	0.01
102	[4-(2- <i>tert</i> -Butoxy-2-oxoethoxy)phenyl](diphenyl)sulfanium nonafluorobutane-1-sulfonate*	857285-80-4	0.01
103	1-(1-Methyl-1H-indol-3-yl)thiolan-1-ium nonafluorobutane-1-sulfonate*	867373-18-0	0.01
104	1-Methyl-3-octyl-1H-imidazolium perfluorobutanesulfonate*	905972-83-0	0.01
105	3-Hexyl-1-methyl-1H-imidazolium perfluorobutanesulfonate*	1001557-05-6	0.01
106	1-Ethyl-3-methylpyridin-1-ium nonafluorobutane-1-sulfonate*	1015420-87-7	0.01
107	Perfluorohexanesulfonic acid (L-PFHxS)	355-46-4	0.01
108	Perfluorohexylsulfonate*	108427-53-8	0.01

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109	Perfluorohexanesulfonate Na-salt (PFHxS-Na) *	82382-12-5	0.01
110	Potassium Perfluorohexylsulfonate PFHxS-K *	3871-99-6	0.01
111	Lithium Perfluorohexylsulfonate PFHxS-Li*	55120-77-9	0.01
112	Ammonium Perfluorohexylsulfonate PFHxS-NH4*	68259-08-5	0.01
113	Phosphonium,triphenyl(phenylmethyl)-,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	1000597-52-3	0.01
114	N,N,N-tributylbutan-1-aminium tridecafluorohexane-1-sulfonate*	108427-54-9	0.01
115	N,N,N-triethylethanaminium tridecafluorohexane-1-sulfonate*	108427-55-0	0.01
116	1-Hexanesulfonic acid,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. Withpyrrolidine (1:1)*	1187817-57-7	0.01
117	Ethanaminium, N-[4-[[4-(diethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-ethyl-,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	1310480-24-0	0.01
118	Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(ethylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	1310480-27-3	0.01
119	Methanaminium, N-[4-[[4-(dimethylamino)phenyl][4-(phenylamino)-1-naphthalenyl]methylene]-2,5-cyclohexadien-1-ylidene]-N-methyl-,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	1310480-28-4	0.01
120	Beta-Cyclodextrin, compd.with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonicacid ion(1-)(1:1)*	1329995-45-0	0.01
121	Gamma-Cyclodextrin, compd.with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonicacid ion(1-)(1:1)*	1329995-69-8	0.01
122	Sulfonium, triphenyl-,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	144116-10-9	0.01
123	Quinolinium, 1-(carboxymethyl)-4-[2-[4-[4-(2,2-diphenylethenyl)phenyl]-1,2,3,3a,4,8b hexahydrocyclopent[b]indol-7-yl]ethenyl]-,1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	1462414-59-0	0.01

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124	Iodonium, diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	153443-35-7	0.01
125	Methanaminium, N,N,N-trimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:1)*	189274-31-5	0.01
126	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. with 2-methyl-2-propanamine (1:1)*	202189-84-2	0.01
127	Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	213740-81-9	0.01
128	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, gallium salt(9Cl)*	341035-71-0	0.01
129	Sulfonium, bis(4-methylphenyl)phenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	341548-85-4	0.01
130	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, scandium(3+)salt (3:1)*	350836-93-0	0.01
131	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, neodymium(3+)salt (3:1)*	41184-65-0	0.01
132	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, yttrium(3+) salt(3:1)*	41242-12-0	0.01
133	Sulfonium, (thiodi-4,1-phenylene)bis[diphenyl]-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonic acid (1:2)*	421555-73-9	0.01
134	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*	421555-74-0	0.01
135	Perfluorohexane sulphonyl fluoride*	423-50-7	0.01
136	Sulfonium, tris[4-(1,1-dimethylethyl)phenyl]-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	425670-70-8	0.01
137	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, zinc salt*	70136-72-0	0.01
138	Tridecafluorohexanesulphonic acid, compound with 2,2'-iminodiethanol (1:1)*	70225-16-0	0.01
139	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, compd. With N,N-diethylethanamine (1:1)*	72033-41-1	0.01
140	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)*	866621-50-3	0.01
141	Sulfonium, (4-methylphenyl)diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	910606-39-2	0.01

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142	Sulfonium, [4-[(2-methyl-1-oxo-2-propen-1-yl)oxy]phenyl]diphenyl-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	911027-68-4	0.01
143	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-hexanesulfonicacid (1:1), polymer with 2-ethyltricyclo[3.3.1.1 ^{3,7}]dec-2-yl 2-methyl-2-propenoate, 3-hydroxytricyclo[3.3.1.1 ^{3,7}]dec-1-yl 2-methyl-2-propenoate and tetrahydro-2-oxo-3-furanyl 2-methyl-2-propenoate*	911027-69-5	0.01
144	1-Hexanesulfonic acid, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-, cesium salt(1:1) (PFHxS-Cs)*	92011-17-1	0.01
145	Dibenzo[k,n][1,4,7,10,13]tetraoxathiacyclopentadecinium, 19-[4-(1,1-dimethylethyl)phenyl]-6,7,9,10,12,13-hexahydro-, 1,1,2,2,3,3,4,4,5,5,6,6,6-tridecafluoro-1-hexanesulfonate (1:1)*	928049-42-7	0.01
146	Tetrabutylphosphonium perfluorohexane sulfonate*	2310194-12-6	0.01
147	Perfluoroheptanesulfonic acid (L-PFHpS)	375-92-8	0.01
148	Perfluoroheptanesulfonyl Fluoride*	335-71-7	0.01
149	Potassium Perfluoroheptanesulfonate (PFHpS-K)*	60270-55-5	0.01
150	Perfluoroheptanesulfonate Na-salt (PFHpS-Na)*	21934-50-9	0.01
151	Ammonium perfluoroheptanesulfonate*	68259-07-4	0.01
152	Lithium perfluoroheptanesulfonate*	117806-54-9	0.01
153	Bis(2-hydroxyethyl)ammonium perfluoroheptanesulfonate*	70225-15-9	0.01
154	Triethylammonium perfluoroheptane sulfonate*	72033-40-0	0.01
155	Perfluoroheptanesulfonate*	146689-46-5	0.01
156	Tetraethylammonium perfluoroheptane sulfonate*	439863-97-5	0.01
157	Perfluorooctanesulfonic acid (L-PFOS)	1763-23-1	0.01
158	Perfluorooctane Sulfonyl fluoride (POSF)*	307-35-7	0.01
159	Heptadecafluoro-1-Octanesulfonyl Chloride*	423-60-9	0.01
160	Potassium Perfluorooctanesulfonate (PFOS-K)*	2795-39-3	0.01
161	Sodium Perfluorooctanesulfonate (PFOS-Na)*	4021-47-0	0.01
162	Perfluorooctanesulfonic acid, ammonium salt(PFOS-NH)*	29081-56-9	0.01
164	Magnesium bis(heptadecafluorooctanesulphonate) (PFOS-Mg)*	91036-71-4	0.01
165	Perfluorooctanesulfonate*	45298-90-6	0.01
166	Triethylammonium perfluorooctane sulfonate*	54439-46-2	0.01
167	Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)*	56773-42-3	0.01

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Test Report

Report Number: JKTH24002157

Test Conducted:

	<u>Substances</u>	<u>CAS No.</u>	<u>Detection Limit (mg/kg)</u>
168	Perfluorooctane sulfonate diethanolamine salt (PFOS NH(CH ₂ CH ₂ OH) ₂)*	70225-14-8	0.01
169	Tetramethylammonium perfluorooctane sulfonate*	56773-44-5	0.01
170	N,N,N-Tripropylpentan-1-aminium heptadecafluorooctane-1-sulfonate*	56773-56-9	0.01
171	N-decyl-N,N-dimethyldecane-1-aminium 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluorooctane-1-sulfonate (PFOS-DDA)*	251099-16-8	0.01
172	N,N-Dibutyl-N-methylbutan-1-aminium heptadecafluorooctane-1-sulfonate*	124472-68-0	0.01
173	Iodonium, bis[4-(1,1-dimethylethyl)phenyl]-, salt with perfluoro-1-octanesulfonic acid (1:1)*	213740-80-8	0.01
174	Diphenyl(2,4,6-trimethylphenyl)sulfonium perfluoro-1-octanesulfonate*	258341-99-0	0.01
175	1-Hexadecylpyridinium perfluoro-1-octanesulfonate*	334529-63-4	0.01
176	N,N,N-Triethyldecane-1-aminium heptadecafluorooctane-1-sulfonate*	773895-92-4	0.01
177	Tetrabutylphosphonium perfluorooctane sulfonate*	2185049-59-4	0.01
178	Piperidinium perfluorooctanesulfonate*	71463-74-6	0.01
179	Tetrabutylammonium perfluorooctanesulfonate*	111873-33-7	0.01
180	Perfluorodecanesulfonic acid (L-PFDS)	335-77-3	0.01
181	Perfluorodecanesulphonyl Fluoride*	307-51-7	0.01
182	Perfluorodecanesulfonate Na-salt (PFDS-Na) *	2806-15-7	0.01
183	Perfluorodecanesulfonate K-salt (PFDS-K) *	2806-16-8	0.01
184	Perfluorodecane sulfonate salt of NH ₄ (PFDS-NH ₄)*	67906-42-7	0.01
185	Perfluorodecanesulfonate*	126105-34-8	0.01
186	Perfluorooctanesulfonamide (PFOSA)	754-91-6	0.01
187	Perfluorooctanesulfonamide lithium salt (1:1)*	76752-79-9	0.01
188	N-Methyl-Perfluorooctanesulfonamide (N-Me-FOSA)	31506-32-8	0.01
189	N-Ethyl-Perfluorooctanesulfonamide (N-Et-FOSA)	4151-50-2	0.01
190	N-Methyl-Perfluorooctanesulfonamidoethanol(N-Me-FOSE alcohol)	24448-09-7	0.01
191	N-Ethyl-Perfluorooctanesulfonamidoethanol (N-Et-FOSE alcohol)	1691-99-2	0.01
192	1H,1H,2H,2H-Perfluorooctanesulfonic acid (6:2 FTS)	27619-97-2	0.01
193	6:2 Fluorotelomer sulfonate sodium salt*	27619-94-9	0.01
194	6:2 Fluorotelomer sulfonate potassium salt*	59587-38-1	0.01

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	<u>Substances</u>	<u>CAS No.</u>	<u>Detection Limit (mg/kg)</u>
195	2H,2H,3H,3H-Perfluoroundecanoic acid (4HPFUnA)	34598-33-9	0.01
196	Potassium 2H,2H,3H,3H-Perfluoroundecanoate*	83310-58-1	0.01
197	Perfluoro-3-7-dimethyl octane carboxylate (PF-3,7-DMOA)	172155-07-6	0.01
198	7H-Dodecafluoro heptane carboxylate (HPFHpA)	1546-95-8	0.01
199	Ammonium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate*	376-34-1	0.01
200	Sodium 2,2,3,3,4,4,5,5,6,6,7,7-dodecafluoroheptanoate*	2264-25-7	0.01
201	2H,2H-Perfluoro decane carboxylate (H2PFDA)	27854-31-5	0.01
202	Tetrabutylphosphonium 2H,2H-Perfluorodecanoate*	882489-14-7	0.01
203	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)	39108-34-4	0.01
204	8:2 Fluorotelomer sulfonate sodium salt*	27619-96-1	0.01
205	1H,1H,2H,2H-Perfluorododecanesulfonic acid (10:2 FTS)	120226-60-0	0.01
206	1H,1H,2H,2H-Perfluorohexanesulfonic Acid (4:2FTS)	757124-72-4	0.01
207	4:2 Fluorotelomer sulfonate sodium salt*	27619-93-8	0.01
208	N-(Perfluoro-1-octanesulfonyl) Glycine	2806-24-8	0.01
209	N-Methylperfluoro-1-octanesulfonamidoacetic Acid	2355-31-9	0.01
210	N-Ethyl-N-(perfluoro-1-octanesulfonyl) Glycine	2991-50-6	0.01
211	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionic acid	13252-13-6	0.01
212	Ammonium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propanoate (HFPO-DA-NH)*	62037-80-3	0.01
213	Potassium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propanoate (HFPO-DA-K)*	67118-55-2	0.01
214	2,3,3,3-tetrafluoro-2-(heptafluoropropoxy) propionyl fluoride (HFPO-DA-F)*	2062-98-8	0.01
215	Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (+)-*	75579-39-4	0.01
216	Propanoic acid, 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)-, (-)-*	75579-40-7	0.01
217	Sodium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate*	67963-75-1	0.01
218	Perfluoro(2-propoxypropanoate)*	122499-17-6	0.01
219	2,3,3,3-Tetrafluoro-2-(heptafluoropropoxy)propanoic acid--N-propylpropan-1-amine (1/1)*	165951-17-7	0.01

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Test Conducted:

	<u>Substances</u>	<u>CAS No.</u>	<u>Detection Limit (mg/kg)</u>
220	Triethylammonium perfluoro-2-propoxypropanoate*	165951-18-8	0.01
221	4-[(6-Methoxy-3-pyridazinyl)sulfamoyl]anilinium 2,3,3,3-tetrafluoro-2-(heptafluoropropoxy)propanoate*	298703-31-8	0.01
222	bis(3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10 heptafluorodecyl) phosphate (8:2diPAP)	678-41-1	0.01
223	Sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate*	114519-85-6	0.01
224	Bis(2-hydroxyethyl)ammonium bis((perfluorooctyl)ethyl) hydrogen phosphate*	57677-97-1	0.01
225	Bis[2-(perfluorooctyl)ethyl] phosphate ammonium salt*	93776-20-6	0.01
226	8:2 Fluorotelomer phosphate diester ion (1-)*	1411713-91-1	0.01
227	Perfluorooctadecanoic Acid (PFODA)	16517-11-6	0.01
228	Perfluorohexadecanoic Acid (PFHxDA)	67905-19-5	0.01
229	Perfluoroheptane-1-sulfinic acid	769067-51-8	0.01
230	Perfluoroheptanesulfinate Na-salt*	68555-66-8	0.01
231	Perfluorononanesulfonic acid (PFNS)	68259-12-1	0.01
232	Sodium perfluoro-1-nonanesulfonate*	98789-57-2	0.01
233	Ammonium nonadecafluorononanesulphonate*	17202-41-4	0.01
234	Perfluorononanesulfonate potassium*	29359-39-5	0.01
235	Nonadecafluorononanesulfonyl Fluoride*	68259-06-3	0.01
236	Perfluorononanesulfonate*	474511-07-4	0.01
237	Perfluorododecanesulfonic acid (PFDoDS)	79780-39-5	0.01
238	Potassium perfluorododecanesulfonate*	85187-17-3	0.01
239	Perfluorododecanesulfonate*	343629-43-6	0.01
240	Sodium perfluoro-1-dodecanesulfonate*	1260224-54-1	0.01
241	3-Perfluoropentyl propanoic acid (5:3 FTCA)	914637-49-3	0.01
242	Mono[2-(perfluorohexyl)ethyl] phosphate	57678-01-0	0.01
243	Ammonium 2-(perfluorohexyl)ethyl hydrogen phosphate*	2353-52-8	0.01
244	2-(Perfluorohexyl)ethanol dihydrogen phosphate bis(2-hydroxyethyl)amine*	57678-02-1	0.01
245	3,3,4,4,5,5,6,6,7,7,8,8,8-Tridecafluorooctanol phosphate ammonium salt*	92401-44-0	0.01
246	Sodium 1H,1H,2H,2H-perfluorooctylphosphate*	144965-22-0	0.01
247	Monopotassium monoperfluorohexyl ethylphosphate*	150033-28-6	0.01
248	Diammonium 6:2 fluorotelomer phosphate monoester*	1000852-37-8	0.01
249	Bis[2-(perfluorohexyl)ethyl]phosphate	57677-95-9	0.01

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	<u>Substances</u>	<u>CAS No.</u>	<u>Detection Limit (mg/kg)</u>
250	Ammonium bis[2-(perfluorohexyl)ethyl] phosphate*	1764-95-0	0.01
251	Sodium bis[2-(perfluorohexyl)ethyl] phosphate*	407582-79-0	0.01
252	Bis(3,3,4,4,5,5,6,6,7,7,8,8,8-tridecafluorooctyl) phosphate ion(1-)*	667465-18-1	0.01
253	Perfluorooctylphosphonic acid	40143-78-0	0.01
254	(Heptadecafluorooctyl)phosphonic acid--4-methylaniline (1/1)*	1263361-03-0	0.01
255	4,8-Dioxa-3H-perfluorononanoic acid (DONA)	919005-14-4	0.01
256	Sodium 4,8-dioxa-3H-perfluorononanoate*	2250081-67-3	0.01
257	Ammonium 4,8-dioxa-3H-perfluorononanoate*	958445-44-8	0.01
258	9-Chlorohexadecafluoro-3-oxanonane-1-sulfonic acid (9Cl-PF3ONS)	756426-58-1	0.01
259	Potassium 9-chlorohexadecafluoro-3-oxanonane-1-sulfonate*	73606-19-6	0.01
260	Ammonium perfluoro-2-[(6-chlorohexyl)oxy]ethane-1-sulfonate*	1383434-28-3	0.01
261	11-Chloroeicosafluoro-3-oxaundecane-1-sulfonic acid (11Cl-PF3OUdS)	763051-92-9	0.01
262	Potassium 11-chloroeicosafluoro-3-oxaundecane-1-sulfonate*	83329-89-9	0.01
263	N-Methyl-Perfluorohexanesulfamide (N-Me-FHxSA)	68259-15-4	0.01
264	Perfluorohexane sulfonamide (PFHxSA)	41997-13-1	0.01
265	Perfluoropentadecanoic acid (PFPeDA)	141074-63-7	0.01
266	Perfluoropentanesulfonic acid (PFPeS)	2706-91-4	0.01
267	Sodium perfluoropentanesulfonate*	630402-22-1	0.01
268	Potassium perfluoropentanesulfonate*	3872-25-1	0.01
269	Bis(2-hydroxyethyl)ammonium perfluoropentanesulfonate*	70225-17-1	0.01
270	Ammonium perfluoropentanesulfonate*	68259-09-6	0.01
271	Triethylammonium perfluoropentane sulfonate*	72033-42-2	0.01
272	Perfluoropentanesulfonate*	175905-36-9	0.01
273	Lithium perfluoropentane sulfonate*	1046864-81-6	0.01
274	Perfluoroundecane sulfonic acid(PFUnDS)	749786-16-1	0.01
275	Perfluorotridecane sulfonic acid(PFTrDS)	791563-89-8	0.01
276	Sodium Perfluorotridecanesulfonate*	174675-49-1	0.01
277	2-Perfluorohexyl ethanoic acid(6:2 FTCA)	53826-12-3	0.01
278	Perfluoro-3-methoxypropanoic acid(PFMPA)	377-73-1	0.01
279	Perfluoro-4-methoxybutanoic acid(PFMBA)	863090-89-5	0.01
280	Nonafluoro-3,6-dioxaheptanoic acid(NFDHA)	151772-58-6	0.01

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Test Conducted:

	<u>Substances</u>	<u>CAS No.</u>	<u>Detection Limit (mg/kg)</u>
281	Perfluoro(2-ethoxyethane)sulfonic acid(PFEESA)	113507-82-7	0.01
282	3-Perfluoroheptyl propanoic acid(7:3 FTCA)	812-70-4	0.01
283	1H,1H,2H,2H-Perfluorooctylacrylate (6:2 FTA)	17527-29-6	0.1
284	1H,1H,2H,2H-Perfluorodecylacrylate (8:2 FTA)	27905-45-9	0.1
285	1H,1H,2H,2H-Perfluorododecylacrylate (10:2 FTA)	17741-60-5	0.1
286	1H,1H,2H,2H-Perfluoro-1-hexanol (4:2 FTOH)	2043-47-2	0.1
287	1H,1H,2H,2H-Perfluoro-1-octanol (6:2 FTOH)	647-42-7	0.1
288	1H,1H,2H,2H-Perfluoro-1-decanol (8:2 FTOH)	678-39-7	0.1
289	1H,1H,2H,2H-Perfluoro-1-dodecanol (10:2 FTOH)	865-86-1	0.1
290	1H,1H,2H,2H-Perfluorooctyl methacrylate (6:2 FTMA)	2144-53-8	0.1
291	1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)	1996-88-9	0.1
292	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	0.1
293	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	0.1
294	1-Iodoperfluorooctane (PFOI)	507-63-1	0.1
295	1-Iodo-1H,1H,2H,2H-perfluorodecane (8:2 FTI)	2043-53-0	0.1
296	1H,1H,2H,2H-Perfluorodecyltriethoxysilane (PFSI)	101947-16-4	0.1
297	1,1,2,2,3,3,4,4,4-nonafluoro-N-(2-hydroxyethyl)-N-methylbutane-1-sulphonamide	34454-97-2	0.1
298	1H,1H,2H,2H-Perfluorohexyl methacrylate (4:2 FTMA)	1799-84-4	0.1
299	1H,1H,2H,2H-Perfluorododecyl methacrylate (10:2FTMA)	2144-54-9	0.1
300	1H,1H,2H,2H-Perfluorododecyl iodide (10:2 FTI)	2043-54-1	0.1
301	1H,1H,2H,2H-Perfluorotetradecanol (12:2 FTOH)	39239-77-5	0.1
302	1H,1H,2H,2H-Perfluorotetradecyl iodide (12:2 FTI)	30046-31-2	0.1
303	10:2 Fluortelomerphosphatemonoester (10:2 monoPAP)	57678-05-4	0.1
304	10:2 Fluortelomer diammonium dihydrogen phosphate*	93857-45-5	0.1
305	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,11,11,12,12,12-Henicosafuorododecyl dihydrogen phosphate cyclohexylamine*	--	0.1
306	10:2 Fluortelomerphosphatediester (10:2 diPAP)	1895-26-7	0.1
307	Perfluorodecyl iodide (PFDI)	423-62-1	0.1
308	Perfluorododecyl iodide (PFDoDI)	307-60-8	0.1
309	1H,1H-Pentadecafluorooctylacrylate (7:1 FTA)	307-98-2	0.1

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310	1H,1H-Perfluoro-1-octanol (7:1 FTOH)	307-30-2	0.1
311	1H,1H-Perfluorooctylamine	307-29-9	0.1
312	1H,1H,2H-Perfluoro-1-decene (8:2 FTO)	21652-58-4	0.1
313	Mono[2-(perfluorooctyl)ethyl]phosphate (8:2 MonoPAP)	57678-03-2	0.1
314	8:2 Fluorotelomer diammonium phosphate*	93857-44-4	0.1
315	Sodium 1H,1H,2H,2H-perfluorodecylphosphate*	130771-95-8	0.1
316	Disodium 1H,1H,2H,2H-perfluorodecylphosphate*	438237-75-3	0.1
317	Pentafluoropropionic acid (PFPrA)	422-64-0	0.1
318	Sodium perfluoropropanoate*	378-77-8	0.1
319	Potassium perfluoropropanoate*	378-76-7	0.1
320	3-Perfluoropropyl propanoic acid(3:3 FTCA)	356-02-5	0.1

* = The test result is based on the corresponding PFAS anions.

Tested component(s):

(1) FOOPAK PE BOARD

END OF THE TEST REPORT

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