

Test Report

Applicant : PT Indah Kiat Pulp And Paper Tbk
 Jl Raya Serang Km 76 Kragilan
 Serang Banten 42184

Date : Jul 20, 2022

Attn : Fini Fitriani, Tohari Waluyo

Sample description:

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

Material Name : **FOOPAK NATURA CUP**
 Country of Original : Indonesia
 Manufacturers Name : PT Indah Kiat Pulp And Paper Tbk
 Date sample received : Jul 07, 2022
 Testing period : Jul 07, 2022 to Jul 20, 2022



Test conducted:

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

Conclusion:

Tested sample	Standard	Result
Submitted sample	Toxins in Packaging Clearinghouse Model Legislation – US TPCH - PFAS Content	Pass

Remark:

Test subcontracted to Intertek Vietnam

FN
 Prepared and checked by:
 For Intertek Indonesia

Made Widyani
 Operation Manager - Testing

IUS – CR.RH – 001

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Test Report

Report Number: JKTH22002131

Test Conducted:

Test Result Summary:

1. PFAS Content (Toxics in Packaging Clearinghouse – US TPCH)

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

Test Item	Result (µg/m ²)	Limit (µg/m ²)
	(1)	
PFAS Content Δ	ND	ND

Remark:

µg/m² = Microgram per square meter

Detection limit = 10 µg/m² for No.7 to No.12 and No.57 to No.61; 1 µg/m² for Others

ND = Not Detected

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

No.	Substances
1	Perfluorooctanoic acid (PFOA)
2	Sodium perfluorooctanoate (PFOA-Na)
3	Potassium perfluorooctanoate (PFOA-K)
4	Silver perfluorooctanoate (PFOA-Ag)
5	Perfluorooctanoyl fluoride (PFOA-F)
6	Ammonium pentadecafluorooctanoate (APFO)
7	2-Perfluorooctylethanol (8:2 FTOH)
8	1H,1H,2H,2H-Perfluorodecyl acrylate (8:2 FTA)
9	Methyl perfluorooctanoate (Me-PFOA)
10	1H,1H,2H,2H-Perfluorodecyl methacrylate (8:2 FTMA)
11	Ethyl perfluorooctanoate (Et-PFOA)
12	1H,1H,2H,2H-Perfluorodecanesulfonic acid (8:2 FTS)
13	Perfluoro-1-iodooctane (PFOI)
14	Perfluorooctanesulfonic acid (PFOS)
15	Perfluorooctanesulfonic acid, potassium salt (PFOS-K)
16	Perfluorooctanesulfonic acid, lithium salt (PFOS-Li)
17	Perfluorooctanesulfonic acid, ammonium salt (PFOS-NH ₄)
18	Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) ₂)
19	Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)
20	1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptafluoro-1-octanesulfonic acid (PFOS-DDA)
21	Perfluoro-1-octanesulfonyl fluoride (POSF)
22	Perfluorooctane sulfonamide (PFOSA)
23	N-Ethylperfluoro-1-octanesulfonamide (N-Et-FOSA)
24	N-Methylperfluoro-1-octanesulfonamide (N-Me-FOSA)
25	2-(N-Ethylperfluoro-1-octanesulfonamido)-ethanol (N-Et-FOSE)
26	2-(N-Methylperfluoro-1-octanesulfonamido)-ethanol (N-Me-FOSE)
27	Perfluoro-butanoic acid (PFBA)
28	Perfluoro-butane-sulfonicacid (PFBS)



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No.	Substances
29	Perfluoro-butane-sulfonic acid, K-salt (PFBS-K)
30	Perfluoro-pentanoic acid (PFPeA)
31	Perfluoro-hexanoic acid (PFHxA)
32	Perfluoro-hexane-sulfonic acid (PFHxS)
33	Perfluoro-hexane-sulfonic acid, Na-salt (PFHxS-Na)
34	Perfluoro-hexane-sulfonic acid, K-salt (PFHxS-K)
35	Perfluoro-heptanoic acid (PFHpA)
36	Perfluoro-heptane-sulfonate (PFHpS)
37	Perfluoro-heptane-sulfonate Na-salt (PFHpS-Na)
38	Perfluoro-decane-sulfonic acid (PFDS)
39	Perfluoro-decane-sulfonic acid, Na-salt (PFDS-Na)
40	Perfluoro-decane-sulfonic acid, K-salt (PFDS-K)
41	Perfluoro-decane-sulfonic acid, Ammonium-salt (PFDS-NH ₄)
42	Perfluoro-nonanoic acid (PFNA)
43	Perfluoro-nonanoic acid, Na-salt (PFNA-Na)
44	Ammonium perfluorononanoate (APFN)
45	Perfluoro-decanoic acid (PFDA)
46	Perfluoro-decanoic acid, Na-salt (PFDA-Na)
47	Perfluoro-decanoic acid, Ammonium-salt (PFDA-NH ₄)
48	Perfluoro-undecanoic acid (PFUnA)
49	Perfluoro-dodecanoic acid (PFDoA)
50	Perfluoro-tridecanoic acid (PFTrDA)
51	Perfluoro-tetradecanoic acid (PFTeDA)
52	Perfluoro-3-7-dimethyl octane-carboxylate (PF-3,7 DMOA)
53	7H-Dodecafluoro heptane carboxylate (HPFHpA)
54	2H,2H-Perfluoro decan carboxylate (H2PFDA)
55	2H,2H,3H,3H-Perfluoro-undecanoic acid (4HPFUnA)
56	1H,1H,2H,2H-Perfluoro-octane-sulphonic acid (H ₄ PFOS 6:2)
57	1H,1H,2H,2H-Perfluorooctyl acrylate (6:2 FTA)
58	1H,1H,2H,2H-Perfluorododecyl acrylate (10:2 FTA)
59	1H,1H,2H,2H-Perfluorohexanol (4:2 FTOH)
60	1H,1H,2H,2H-Perfluorooctanol (6:2 FTOH)
61	1H,1H,2H,2H-Perfluorododecanol (10:2 FTOH)

Tested component:

- (1) White paper cardboard

Remark: As requested by the applicant, test was conducted on components listed in this report.

END OF THE TEST REPORT

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