

## 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 : **SINAR RECYCLE BOARD**  
 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 | Toxics in Packaging Clearinghouse Model Legislation – US TPCH<br>- PFAS Content | Pass   |

### Remark:

Test subcontracted to Intertek Vietnam

FN  
 Prepared and checked by:  
 For Intertek Indonesia

Made Widnyani  
 Operation Manager - Testing  
 IUS – CR.RH – 001



## Test Report

Report Number: JKTH22002130

### 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 <sup>2</sup> ) | Limit (µg/m <sup>2</sup> ) |
|----------------|-----------------------------|----------------------------|
|                | (1)                         |                            |
| PFAS Content Δ | ND                          | ND                         |

### Remark:

µg/m<sup>2</sup> = Microgram per square meter

Detection limit = 10 µg/m<sup>2</sup> for No.7 to No.12 and No.57 to No.61; 1 µg/m<sup>2</sup> 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 <sub>4</sub> )  |
| 18  | Perfluorooctane sulfonate diethanolamine salt (PFOS-NH(OH) <sub>2</sub> )                                    |
| 19  | Perfluorooctanesulfonic acid, tetraethylammonium salt (PFOS-N(C <sub>2</sub> H <sub>5</sub> ) <sub>4</sub> ) |
| 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 <sub>4</sub> ) |
| 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 <sub>4</sub> )        |
| 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 <sub>4</sub> 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/grey 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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