



Test Report

Applicant : PT Indah Kiat Pulp And Paper Tbk

Date : Jul 11, 2024

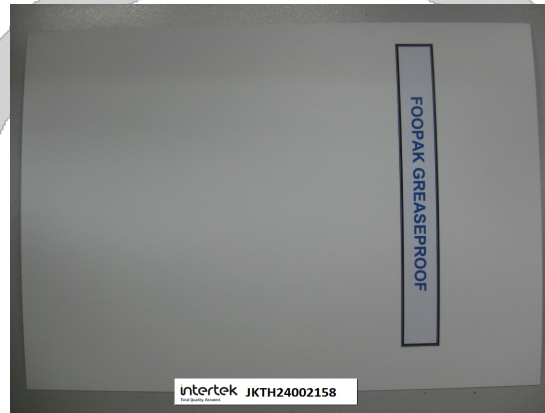
Jl Raya Serang Km 76 Kragilan
Serang Banten 42184

Attn : Fini Fitriani, Tohari Waluyo

Sample description:

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

Material Name : **FOOPAK GREASEPROOF**
 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

Prepared and checked by:
For Intertek Indonesia

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



Test Report

Report Number: JKTH24002158

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: JKTH24002158

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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Test Report

Report Number: JKTH24002158

Test Conducted:

| | <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 Report

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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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Test Report

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Test Conducted:

| | <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 Report

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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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Report Number: JKTH24002158

Test Conducted:

| | <u>Substances</u> | <u>CAS No.</u> | <u>Detection Limit (mg/kg)</u> |
|-----|--|----------------|--------------------------------|
| 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 GREASEPROOF

END OF THE TEST REPORT

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