



SUBJECT Chemical Test

TEST LOCATION TÜV SÜD China

TÜV SÜD Products Testing (Shanghai) Co.,
Ltd. B-3/4, No.1999 Du Hui Road, Minhang
District Shanghai 201108, P.R. China

CLIENT NAME <Confidential>

CLIENT ADDRESS <Confidential>

05-Jun-2023~12-Jun-2023

TEST PERIOD

The tested items **complied with** Priority Control List of New Pollutants

RESULT SUMMARY

(2023 version)

- PFOA, it's salt and related substance
- PFOS and its derivatives
- PFHxS, it's salt and related substance

PASS

PASS

PASS

Prepared By

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(Minnie Gu)
Report Drafter

Authorized By

Anna Chi

(Anna Chi)
Authorized
Signatory

Note: (1) General Terms & Conditions as mentioned overleaf. (2) The results relate only to the items tested.(3) The test report shall not be reproduced except in full without the written approval of the laboratory.(4) Without the agreement of the laboratory , the client is not authorized to use the test results for unapproved propaganda.

SAMPLE SOURCE/ RECEIPT DATE / TEST DATE

Logistics Express/ 05-Jun-2023/ 05-Jun-2023

THE FOLLOWING SAMPLE(S) WAS/WERE SUBMITTED

BY/ ON BEHALF OF THE CLIENTS AS

Sample Name: Pulp Sheet
Sample Specification: /
Batch No./Date: /
Manufacturer: /

SAMPLE NO.	DESCRIPTION	PHOTOGRAPH
721681370	Natural color pulp board	

TEST RESULT(S)

1. PFOA, it's salt and related substance

- Test method: In house method, solvent extraction and determination by LC/MS/MS, GC/MS and GC/MS/MS

No.	Test Item(s)	CAS No.	Result(s) [mg/kg]	Detection Limit [mg/kg]	Limit [mg/kg]
1	Perfluorooctanoyl fluoride (PFOA-F)	335-66-0	ND	0.01	Not detected
2	Perfluorooctanoic acid (PFOA)	335-67-1	ND	0.01	Not detected
3	Silver perfluorooctanoate (PFOA-Ag)	335-93-3	ND	0.01	Not detected
4	Potassium perfluorooctanoate (PFOA-K)	2395-00-8	ND	0.01	Not detected
5	Ammonium Pentadecafluorooctanoate (APFO)	3825-26-1	ND	0.01	Not detected
6	Sodium perfluorooctanoate (PFOA-Na)	335-95-5	ND	0.01	Not detected
7	TetrabutylphosphoniumH ₂ PFDA	882489-14-7	ND	0.01	Not detected
8	3,3,4,4,5,5,6,6,7,7,8,8,9,9,10,10,10-heptadecafluorodecanesulphonic acid (8:2FTS)	39108-34-4	ND	0.01	Not detected
9	Methyl perfluorooctanoate (Me-PFOA)	376-27-2	ND	0.01	Not detected
10	Ethyl perfluorooctanoate (Et-PFOA)	3108-24-5	ND	0.01	Not detected
11	2-(Perfluorooctyl)ethanol (8:2FTOH)	678-39-7	ND	0.5	Not detected

12	1H,1H,2H,2H-Heptadecafluorodecyl acrylate (8:2FTA)	27905-45-9	ND	0.5	Not detected
13	2-(Perfluorooctyl)ethyl methacrylate (8:2FTMA)	1996-88-9	ND	0.5	Not detected
14	Perfluorooctyl iodide (PFOI)	507-63-1	ND	0.5	Not detected

2. PFOS and its derivatives

- Test method: In house method, solvent extraction and determination by LC/MS/MS, GC/MS and GC/MS/MS

No.	Test Item(s)	CAS No.	Result(s) [mg/kg]	Detection Limit [mg/kg]	Limit [mg/kg]
1	N-Methylheptadecafluorooctane-sulphonamide (N-Me-FOSA)	31506-32-8	ND	0.01	Not detected
2	N-Ethylperfluorooctane-1-sulfonamide (N-Et-FOSA)	4151-50-2	ND	0.01	Not detected
3	N-Me-FOSE alcohol (N-Me-FOSE)	24448-09-7	ND	0.01	Not detected
4	N-ET-FOSE alcohol (N-ET-FOSE)	1691-99-2	ND	0.01	Not detected
5	Perfluorooctansulfonate (PFOS)	1763-23-1	ND	0.01	Not detected
6	perfluorooctylsulfonylfluoride/Fc-8(PFOSF/POSF)	307-35-7	ND	0.01	Not detected
7	Potassium heptadecafluoro-1-octanesulfonate (PFOS-K)	2795-39-3	ND	0.01	Not detected
8	Ammonium perfluorooctylsulfonate (PFOS-NH ₄)	29081-56-9	ND	0.01	Not detected
9	1-Decanaminium, N-decyl-N,N-dimethyl-, salt with 1,1,2,2,3,3,4,4,5,5,6,6,7,7,8,8,8-heptadecafluoro-1-octanesulfonic acid (PFOS-DDA)	251099-16-8	ND	0.01	Not detected
10	bis(2-hydroxyethyl)ammonium perfluorooctanesulfonate (PFOS-NH(OH) ₂)	70225-14-8	ND	0.01	Not detected
11	heptadecafluoro-1-octanesulfonic acid lithium salt (PFOS-Li)	29457-72-5	ND	0.01	Not detected
12	Heptadecafluorooctanesulfonic acid tetraethylammonium salt (PFOS-N(C ₂ H ₅) ₄)	56773-42-3	ND	0.01	Not detected



3. PFHxS, it's salt and related substance

- Test method: In house method, solvent extraction and determination by LC/MS/MS, GC/MS and GC/MS/MS

No.	Test Item(s)	CAS No.	Result(s) [mg/kg]	Detection Limit [mg/kg]	Limit [mg/kg]
1	Perfluorohexane Sulfonate (PFHxS)	355-46-4	ND	0.01	Not detected
2	sodium perfluorohexanesulfonate (PFHxS-Na)	82382-12- 5	ND	0.01	Not detected
3	Potassium Perfluorohexanesulfonate (PFHxS-K)	3871-99-6	ND	0.01	Not detected

- Note:
1. ND denotes Not detected and the result less than Detection Limit
 2. This report is for internal use only such as internal scientific research ,education, quality control, product R&D.

-END OF THE TEST REPORT-

