ENVIRONMENTAL IMPACT ASSESSMENT REPORT

VOLUME III APPENDICES

Appendix 11-3 PFAS Analysis Results

Eurofins Chemtest Ltd
Attn. Mr. J. King
Depot Road 11
GB-CB8 0AL NEWMARKET
GROOT BRITTANIE

Your reference	:	25-17339
Our reference	:	Project 1935760
Validation Ref.	:	1935760_certificaat_v1
Verificationcode	:	KGNT-DWAQ-TAAB-KTNA

Amsterdam, 12 June 2025

I hereby enclose the results of the laboratory tests that have been carried out on your request on the samples that you supplied to us.

I would like to point out to you that the results apply only to the samples supplied, such as these were presented for testing.

The research, with the exception of any outsourced research, was carried out by Eurofins Omegam. Information about the used analysis method(s) can be found in our customer portal My Lab under "Info and Docs".

Do also note that the enclosed report may not be copied or reproduced in any way except in its entirety. I trust that we have completed your order as agreed and to your full satisfaction. If you have any questions reading this report, then please don't hesitate to contact our Customer Service.

Yours sincerely,
On behalf of Eurofins Omegam,

BSc J. Tukker
Production manager

Eurofins Omegam B.V.
H.J.E. Wenckebachweg 120
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CERTIFICATE

Project code : **1935760**
Your Project Description : **25-17339**
Client : **Eurofins Chemtest Ltd**

Your Sample identification
8819443 = 1977920 BH312
8819464 = 1977921 BH302
8819465 = 1977922 BH309

Client sampling date	:	**20/05/2025**	**20/05/2025**	**20/05/2025**
Date of receipt	:	**28/05/2025**	**28/05/2025**	**28/05/2025**
Startdate	:	**28/05/2025**	**28/05/2025**	**28/05/2025**
Reference number	:	**8819443**	**8819464**	**8819465**
Your Matrix	:	**Water**	**Water**	**Water**

Organic compounds - per- and polyfluoroalkylsubstances (PFAS) HPLC-MS/MS

Perfluorinated carboxylic acids:				
PFBA	µg/l	**< 0,02**	**0,07**	**< 0,02**
PFPeA	µg/l	**< 0,02**	**0,29**	**< 0,02**
PFHxA	µg/l	**< 0,02**	**0,14**	**< 0,02**
PFHpA	µg/l	**< 0,02**	**0,04**	**< 0,02**
PFOA linear	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFOA branched	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFNA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFDA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFUnDA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFDoDA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFTrDA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFTeDA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFHxDA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFODA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
Perfluorinated sulfonic acids:				
PFBS	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFPeS	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFHxS	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFHpS	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFOS linear	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFOS branched	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFDS	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
Perfluorinated alkyl substances - precursors:				
4:2 FTS	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
6:2 FTS	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
8:2 FTS	µg/l	**< 0,1**	**< 0,1**	**< 0,1**
10:2 FTS	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
PFOSA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
Perfluorinated alkyl substances - remainder:				
HPFHpA	µg/l	**< 0,5**	**< 0,5**	**< 0,5**
4H-PFUnDA	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
8:2 FTUCA	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
9Cl-PF3ONS (F53-B)	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
ADONA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
EtFOSA	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
EtFOSAA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
MeFBSA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
MeFOSAA	µg/l	**< 0,1**	**< 0,1**	**< 0,1**
P37DMOA	µg/l	**< 0,5**	**< 0,5**	**< 0,5**
PFBSA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
MeFOSA	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
MeFBSAA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
8:2 DiPAP	µg/l	**< 0,1**	**< 0,1**	**< 0,1**
HFPO-DA (GenX)	µg/l	**< 0,02**	**< 0,02**	**< 0,02**

CERTIFICATE

Project code	:	**1935760**
Your Project Description	:	**25-17339**
Client	:	**Eurofins Chemtest Ltd**

Your Sample identification
8819443 = 1977920 BH312
8819464 = 1977921 BH302
8819465 = 1977922 BH309

Client sampling date	:	**20/05/2025**	**20/05/2025**	**20/05/2025**
Date of receipt	:	**28/05/2025**	**28/05/2025**	**28/05/2025**
Startdate	:	**28/05/2025**	**28/05/2025**	**28/05/2025**
Reference number	:	**8819443**	**8819464**	**8819465**
Your Matrix	:	**Water**	**Water**	**Water**

som PFOA	µg/l	**0,03**	**0,03**	**0,03**
sum PFOS	µg/l	**0,03**	**0,03**	**0,03**

CERTIFICATE

Project code : **1935760**
Your Project Description : **25-17339**
Client : **Eurofins Chemtest Ltd**

Your Sample identification
8819467 = 1977923 TRIP BLANK
8819469 = 1977924 FIELD BLANK
8819470 = 1977925 EQUIPMENT BLANK

Client sampling date	:	**20/05/2025**	**20/05/2025**	**20/05/2025**
Date of receipt	:	**28/05/2025**	**28/05/2025**	**28/05/2025**
Startdate	:	**28/05/2025**	**28/05/2025**	**28/05/2025**
Reference number	:	**8819467**	**8819469**	**8819470**
Your Matrix	:	**Water**	**Water**	**Water**

Organic compounds - per- and polyfluoroalkylsubstances (PFAS) HPLC-MS/MS

Perfluorinated carboxylic acids:				
PFBA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFPeA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFHxA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFHpA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFOA linear	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFOA branched	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFNA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFDA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFUnDA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFDoDA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFTrDA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFTeDA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFHxDA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFODA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
Perfluorinated sulfonic acids:				
PFBS	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFPeS	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFHxS	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFHpS	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFOS linear	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFOS branched	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
PFDS	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
Perfluorinated alkyl substances - precursors:				
4:2 FTS	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
6:2 FTS	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
8:2 FTS	µg/l	**< 0,1**	**< 0,1**	**< 0,1**
10:2 FTS	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
PFOSA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
Perfluorinated alkyl substances - remainder:				
HPFHpA	µg/l	**< 0,5**	**< 0,5**	**< 0,5**
4H-PFUnDA	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
8:2 FTUCA	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
9Cl-PF3ONS (F53-B)	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
ADONA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
EtFOSA	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
EtFOSAA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
MeFBSA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
MeFOSAA	µg/l	**< 0,1**	**< 0,1**	**< 0,1**
P37DMOA	µg/l	**< 0,5**	**< 0,5**	**< 0,5**
PFBSA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
MeFOSA	µg/l	**< 0,05**	**< 0,05**	**< 0,05**
MeFBSAA	µg/l	**< 0,02**	**< 0,02**	**< 0,02**
8:2 DiPAP	µg/l	**< 0,1**	**< 0,1**	**< 0,1**
HFPO-DA (GenX)	µg/l	**< 0,02**	**< 0,02**	**< 0,02**

CERTIFICATE

Project code	:	**1935760**
Your Project Description	:	**25-17339**
Client	:	**Eurofins Chemtest Ltd**

Your Sample identification
8819467 = 1977923 TRIP BLANK
8819469 = 1977924 FIELD BLANK
8819470 = 1977925 EQUIPMENT BLANK

Client sampling date	:	**20/05/2025**	**20/05/2025**	**20/05/2025**
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Startdate	:	**28/05/2025**	**28/05/2025**	**28/05/2025**
Reference number	:	**8819467**	**8819469**	**8819470**
Your Matrix	:	**Water**	**Water**	**Water**

som PFOA	µg/l	**0,03**	**0,03**	**0,03**
sum PFOS	µg/l	**0,03**	**0,03**	**0,03**

CERTIFICATE

Project code	:	**1935760**
Your Project Description	:	**25-17339**
Client	:	**Eurofins Chemtest Ltd**

Notes related to analyses

General comments

The following information has been provided by the client if applicable:
Project description, Sample identificaton, Client sampling date, Client Matrix, Sample depth, Pot number (Barcode), Field data, Field observations and sampling data. The client sampling date can affect the validity of the results.

Quantification of branched PFOS/POA is based on DIN 38414-14.

Summation of concentrations for group parameters
Summation is calculated according to AS3000 protocol, paragraph 2.5.2 and appendix 3.

CERTIFICATE

Project code	:	**1935760**
Your Project Description	:	**25-17339**
Client	:	**Eurofins Chemtest Ltd**

Appendix Index PFAS

PFAS component	Full name PFAS component
10:2 FTS	10:2 FTS (10:2 Fluorotelomer sulfonic acid)
4:2 FTS	4:2 FTS (4:2 Fluorotelomer sulfonic acid)
4H-PFUnDA	4H-PFUnDA (2H,2H,3H,3H-Perfluoroundecanoic acid)
6:2 FTS	6:2 FTS (6:2 Fluorotelomer sulfonic acid)
8:2 DiPAP	8:2 DiPAP (8:2 Fluorotelomer phosphate diester)
8:2 FTS	8:2 FTS (8:2 Fluorotelomer sulfonic acid)
8:2 FTUCA	8:2 FTUCA (8:2 Fluorotelomer unsaturated carboxylic acid)
9Cl-PF3ONS (F53-B)	9Cl-PF3ONS (F53-B) (9-chlorohexadecafluoro-3-oxanonane-1-sulfonic acid)
ADONA	ADONA (ammonium 4,8-dioxa-3H-perfluorononanoate)
EtFOSA	EtFOSA (N-ethyl perfluorooctanesulfonamide)
EtFOSAA	EtFOSAA (perfluorooctanesulfonylamide(N-ethyl)acetate)
HPFHpA	HPFHpA (7H-perfluoroheptanoic acid)
MeFBSA	MeFBSA (N-methylperfluorobutanesulfonylamide)
MeFBSAA	MeFBSAA (perfluorobutanesulfonylamide(N-methyl)acetate)
MeFOSA	MeFOSA (N-methyl perfluorooctanesulfonamide)
MeFOSAA	MeFOSAA (N-methyl perfluorooctanesulfonamidoacetic acid)
P37DMOA	P37DMOA (perfluoro-3,7-dimethyloctanoic acid)
PFBA	PFBA (perfluorobutanoic acid)
PFBS	PFBS (perfluorobutanesulfonic acid)
PFBSA	PFBSA (perfluorobutanesulfonamide)
PFDA	PFDA (perfluorodecanoic acid)
PFDoDA	PFDoDA (perfluorododecanoic acid)
PFDS	PFDS (perfluorodecanesulfonic acid)
PFHpA	PFHpA (perfluoroheptanoic acid)
PFHpS	PFHpS (perfluoroheptanesulfonic acid)
PFHxA	PFHxA (perfluorohexanoic acid)
PFHxDA	PFHxDA (perfluorohexadecanoic acid)
PFHxS	PFHxS (perfluorohexanesulfonic acid)
PFNA	PFNA (perfluorononanoic acid)
PFOA branched	PFOA branched (perfluorooctanoic acid)
PFOA linear	PFOA lineair (perfluorooctanoic acid)
PFODA	PFODA (perfluorooctadecanoic acid)
PFOS branched	PFOS branched (perfluorooctanesulfonic acid)
PFOS linear	PFOS lineair (perfluorooctanesulfonic acid)
PFOSA	PFOSA (perfluorooctanesulfonamide)
PFPeA	PFPeA (perfluoropentanoic acid)
PFPeS	PFPeS (perfluoropentanesulfonic acid)
PFTeDA	PFTeDA (perfluorotetradecanoic acid)
PFTrDA	PFTrDA (perfluorotridecanoic acid)
PFUnDA	PFUnDA (perfluoroundecanoic acid)