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TEST REPORT – RE41897

PFAS ANALYSE

Anogas B.V.
Attn. Irene Hovens
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Netherlands



December 23, 2022

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December 23, 2022

Dear Ms. Hovens,

Hereby we present to you the results of the laboratory study, which was carried out in accordance with your request (SO41897).

The general conditions of delivery for Intertek Polychemlab B.V., located in Geleen, the Netherlands, are applicable. These conditions are an integral part of all research carried out and the services and consultations provided; where appropriate, can be expanded upon by specific client agreement.

Samples of unknown origin can only be checked for plausibility to a limited extent. Results of the examination of these samples only relate to the samples as received by Intertek.

Intertek is not responsible for the data supplied by the client which may affect the validity of the analysis results.

Information on potential measurement uncertainty can be provided where requested.

Any opinions and/or interpretations in this report fall outside the scope of the ISO/IEC 17025 accreditation.

We trust that this information will meet your approval.

Yours sincerely,



Job Ridderbecks
Application Specialist – Analytical Services



Aaron Senen
Application Specialist – Analytical Testing

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1 SAMPLES

1.1 Description of sample(s)

The sample was packed in a glass bottle and coded by the customer as displayed in table 1. The sample was also coded by Intertek with a unique Intertek LIMS number.

Table 1 Sample description

NO.	INTERTEK SAMPLE DESCRIPTION	CUSTOMER SAMPLE IDENTIFICATION	DATE RECEIVED	INTERTEK LIMS NUMBER
1	BM048 Hydrogel (lotnr:BM048-2211/0001)	23352994	29-11-2022	23352994

2 METHODS APPLIED

2.1 PFAS Analysis

The samples were extracted with a suitable solvent at 50 °C. The extract was analysed and quantified by LC-MS/MS analysis using external standards of the requested components. An internal 13C PFOA, 13C PFBA, 13C PFHxA, 13C 6:2FTS, 13C PFDA and 13C PFOS standard was added before extraction to account for any loss of solvent.

The services described in this report are not covered by full validation for this specific sample matrix. Under no circumstances Intertek will be liable for any loss or damages, whether direct or indirect or any third party claim, in relation to the applied method. If required, additional validation can be offered.

Samples were submitted in glass bottles; it must be noted that PFAS compounds can interact with the glass sides resulting artificially lower results.



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3 RESULTS

The summary of the result is displayed in table 2.

Table 2 Result of the PFAS content

BM048 HYDROGEL (LOTNR:BM048-2211/0001)			
COMPONENT	CAS NO.	UNIT	ANALYSIS NO. 1
10:2 fluorotelomer sulfonic acid	120226-60-0	µg/kg	<1
4:2 fluorotelomer sulfonic acid	757124-72-4	µg/kg	<1
6:2 fluorotelomer sulfonic acid	27619-97-2	µg/kg	<1
8:2 fluorotelomer sulfonic acid	39108-34-4	µg/kg	<1
sodium bis(1H,1H,2H,2H-perfluorodecyl)phosphate	678-41-1	µg/kg	<1
perfluoro-2-propoxypropanoic acid (sum of FRD-902 and FRD-903)	13252-13-6	µg/kg	<10
N-ethylperfluorooctane sulfonamidoacetic acid	2991-50-6	µg/kg	<1
N-methylperfluorooctane sulfonamidoacetic acid	2355-31-9	µg/kg	<1
N-methylperfluoro-1-octanesulfonamide	31506-32-8	µg/kg	<1
perfluoro-n-butanoic acid	375-22-4	µg/kg	<1
perfluoro-1-butane sulfonic acid	375-73-5	µg/kg	<1
perfluoro-n-decanoic acid	335-76-2	µg/kg	<1
perfluoro-1-decane sulfonic acid	335-77-3	µg/kg	<1
perfluoro-n-dodecanoic acid	307-55-1	µg/kg	<1
perfluoro-n-heptanoic acid	375-85-9	µg/kg	<1
perfluoro-1-heptane sulfonic acid	375-92-8	µg/kg	<1
perfluoro-n-hexanoic acid	307-24-4	µg/kg	<1
perfluoro-n-hexadecanoic acid	67905-19-5	µg/kg	<1
perfluoro-1-hexane sulfonic acid	355-46-4	µg/kg	<1
perfluoro-n-nonanoic acid	375-95-1	µg/kg	<1
perfluoro-n-octanoic acid (sum linear and branched)	335-67-1	µg/kg	<1
perfluoro-n-octadecanoic acid	16517-11-6	µg/kg	<1
perfluoro-1-octanesulfonamide	754-91-6	µg/kg	<1
perfluoro-1-octane sulfonic acid (sum linear and branched)	1763-23-1	µg/kg	<1
perfluoro-n-pentanoic acid	2706-90-3	µg/kg	<1
perfluoro-1-pentane sulfonic acid	2706-91-4	µg/kg	<1
perfluoro-n-tetradecanoic acid	376-06-7	µg/kg	<1
perfluoro-n-tridecanoic acid	72629-94-8	µg/kg	<1
perfluoro-n-undecanoic acid	2058-94-8	µg/kg	<1

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