

Test report ID 15544

Customer	Ecofiltro Europe SL Germany
Assignment	Measurlabs provided pharmaceutical and PFAS analysis on filters as requested by the customer.
Sample(s)	Sampling was performed by the customer.

Sample name	Performed measurements
15544-1	Pharmaceutical removal of filter, PFAS removal of filter
15544-2	
15544-3	

Samples received 14/11/2024

Results The results presented on the next page(s) relate to the tested sample(s) only.

On Thursday 5 December 2024, issued by



MSc (Tech) Water Technology
Project Manager

Measurlabs

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Test results - Pharmaceutical removal of filter

Methods

The filter samples were activated/waterlogged each with 2L of analyte free drinking water for 48h. For each filter, one liter of clean water was spiked with pharmaceuticals and the filtered solution (after 24h) was measured using LC-MS/MS. For comparison, the spike solution was also analyzed. Testing was performed by an ISO/IEC 17025 accredited external service provider.

Results

Parameter	Unit	Result			
		Initial	15544-1	15544-2	15544-3
Amisulprid	µg/L	0.049	<0.010	<0.010	<0.010
Benzotriazole	µg/L	0.049	0.041	0.057	0.051
Beta_Estradiol	µg/L	0.049	<0.010	<0.010	<0.010
Candesartan	µg/L	0.050	<0.010	<0.010	<0.010
Carbamazepine	µg/L	0.051	<0.010	<0.010	<0.010
Citalopram	µg/L	0.049	<0.010	<0.010	<0.010
Clarithromycin	µg/L	0.048	<0.010	<0.010	<0.010
Diclofenac	µg/L	0.043	<0.010	<0.010	<0.010
Hydrochlorothiazide	µg/L	0.057	<0.010	<0.010	<0.010
Irbesartan	µg/L	0.049	<0.010	<0.010	<0.010
Metoprolol	µg/L	0.050	<0.010	<0.010	<0.010
Sum of 4-and 6-Methylbenzotriazol	µg/L	0.049	<0.010	<0.010	<0.010
Telmisartan	µg/L	0.049	<0.010	<0.010	<0.010
Venlafaxine	µg/L	0.048	<0.010	<0.010	<0.010

Test results - PFAS removal of filter

Methods

The filter samples were activated/waterlogged each with 2L of analyte free drinking water for 48h. For each filter, one liter of clean water was spiked with PFAS and the filtered solution (after 24h) was measured using SPE and LC-MS/MS. For comparison, the spike solution was also analyzed. Testing was performed by an ISO/IEC 17025 accredited external service provider.

Results

Parameter	Unit	Result			
		Initial	15544-1	15544-2	15544-3
PFBA	µg/L	0.0089	0.0040	0.0023	0.0035
PFBS	µg/L	0.0108	0.0007	0.0002	0.0002
PFDA	µg/L	0.0112	0.0003	<0.0001	<0.0001
PFDODA	µg/L	0.0093	<0.0001	<0.0001	<0.0001
PFDOS	µg/L	0.0089	<0.0001	<0.0001	<0.0001
PFDS	µg/L	0.0088	<0.0001	<0.0001	<0.0001
PFHpA	µg/L	0.0114	0.0005	0.0001	0.0001
PFHpS	µg/L	0.0107	0.0015	<0.0001	<0.0001
PFHxA	µg/L	0.0118	0.0189	0.0009	0.0002
PFHxS	µg/L	0.0105	0.0187	0.00019	<0.0001
PFNA	µg/L	0.0098	<0.0001	<0.0001	<0.0001
PFNS	µg/L	0.0095	<0.0001	<0.0001	<0.0001
PFOA	µg/L	0.0129	0.0269	0.0006	0.0014
PFOS	µg/L	0.0120	0.1576	0.0021	0.0009
PFPeA	µg/L	0.0107	<0.0001	<0.0001	<0.0001
PFPeS	µg/L	0.0100	0.0018	<0.0001	<0.0001
PFTTrDA	µg/L	0.0079	<0.0001	<0.0001	<0.0001
PFTTrS	µg/L	0.0101	<0.0001	<0.0001	<0.0001
PFUnDA	µg/L	0.0099	<0.0001	<0.0001	<0.0001
PFUnS	µg/L	0.0103	<0.0001	<0.0001	<0.0001

End of the test report