

Test Report

NBF24-0002688-03

Date: 2024-03-27

Sample Name: Bottle Filter Essential
Sample Batch No.: 20231219
Production Date: 20231219
Manufacturer:

Above information and sample(s) was/were submitted and certified by the client, SGS quoted the information with no responsibility as to the accuracy, adequacy and/or completeness.

Date of Sample Received: 2024-02-29
Testing Period: 2024-02-29 ~ 2024-03-27
Test Requested: Select test(s) as requested by the client.
Test Method(s): Please refer to next page(s).
Test Result(s): Please refer to next page(s).



SGS Approved Signatory

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NBF24-0002688-03

Verification:
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Ningbo Branch Agriculture and Food Laboratory

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Test Report

NBF24-0002688-03

Date: 2024-03-27

Sample Description:

Sample No.	SGS Sample ID	Description
1	NBF24-0002688-0001	Bottle Filter Essential, Quantity: 2 sets

Test Requested:

Selected test(s) as requested by applicant:

Removal rates of Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic acid (PFOA) at 0L, 50L, 100L, 150L and 200L of operating life.

Test Method:

Challenge Testing: Refer to NSF/ANSI 53-2022: Drinking Water Treatment Units - Health Effects

Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic acid (PFOA): Refer to USEPA 537.1-2020

Determination of ed perfluorinated alkyl acids in drinking water by solid phase extraction and liquid chromatography/tandem mass spectrometry

Test Result(s):

Table1 Spiked substance

NO	Test item(s)	Spiked substance(s)
1	#Perfluorooctane Sulfonate (PFOS)	Perfluorooctane Sulfonate (PFOS)
2	#Perfluorooctanoic acid (PFOA)	Perfluorooctanoic acid (PFOA)

*Table 2

Detection point(s)	Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s)%	Requirement(s)
				Influent spiked water	Effluent filtrated water		Maximum effluent concentration (µg/L) NSF/ANSI 53
0L	#Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic acid (PFOA)	µg/L	EPA 537.1	1.25	<0.01	>99.20	0.02
50L	#Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic acid (PFOA)	µg/L	EPA 537.1	1.25	<0.01	>99.20	0.02
100L	#Perfluorooctane Sulfonate (PFOS),	µg/L	EPA 537.1	1.25	<0.01	>99.20	0.02

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Detection point(s)	Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s)%	Requirement(s)
				Influent spiked water	Effluent filtrated water		Maximum effluent concentration (µg/L) NSF/ANSI 53
	Perfluorooctanoic acid (PFOA)						
150L	#Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic acid (PFOA)	µg/L	EPA 537.1	1.43	<0.01	>99.30	0.02
200L	#Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic acid (PFOA)	µg/L	EPA 537.1	1.43	<0.01	>99.30	0.02

Remark:

- *Removal rate (%) = (test result of Influent spiked water - test result of Effluent filtrated water)/ test result of Influent spiked water ×100%
- The flow rate was 0.8 L/min
- The systems shall be operated on a 30 s-on / 60 s-off basis
- # Test items were carried out by SGS-CSTC Standards Technical Services (Shanghai) Co.,Ltd.
- *Table2 test results were copy from NBF24-0002688-01 and NBF24-0002688-02

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Test Report

NBF24-0002688-03

Date: 2024-03-27

Sample photo:



NBF24-0002688-0001

SGS authenticate the photo on original report only

Attention:

Unless otherwise stated the results shown in this report refer only to the items tested.

Within the territory of the People's Republic of China, this test report shall only be used for scientific research, technical research and development, teaching, and internal quality control.

*** End***

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