

NELUMBO Filter Bottle

Independent Lab Report

Certified Removal of Contaminants



Test Report XMF24-0010560-03A1 Date: 2025-02-21

Client Name: NELUMBO (Owner: Haji Hariki)

Client Address: Scharnhorststraße 28B, 10115 Berlin, Germany

Sample Name: NELUMBO Filter Bottle

Sample Batch No.: /
Production Date: /
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: 2024-10-22

Testing Period: 2024-10-22 ~ 2024-11-05

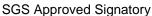
Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Results(s): Please refer to next page(s).









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Sample Description:

Test Report

XMF24-0010560-03A1

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Sample No.	SGS Sample ID	Description		
1 XMF24-0010560-0001		NELUMBO Filter Bottle		

Test requested:

Selected test(s) as requested by applicant: Test the Removal rate of Lead at the start-up of the service life.

Test method(s):

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

Lead: EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry.

Test Result(s):

Testing Point	Test item(s)	Unit(s)	Test Method(s)	Test result(s)		*B
				Influent spiked water	Effluent filtrated water	*Reduction (%)
Start-up	Lead (Pb)	μg/L	EPA 200.8	163	15	90.8

Remark:

- 1. *Reduction (%) = (The test result of Influent Spiked Water The test result of Effluent Filtrated Water) / The test result of Influent Spiked Water ×100%
- 2. The flow rate is 0.2 L/min.





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t 400 - 691 - 0488 t 400 - 691 - 0488

Date: 2025-02-21



Test Report XMF24-0010560-03A1 **Date**: 2025-02-21

Sample Photo:



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This Test Report supersedes the Test Report No. XMF24-0010560-03 issued by SGS-CSTC Standards Technical Services Co., Ltd.Xiamen Branch Original test report will be invalid from today. 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.

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Test Report XMF24-0010560-01 **Date**: 2025-01-03

Client Name: NELUMBO (Owner: Haji Hariki)

Client Address: Scharnhorststraße 28B, 10115 Berlin, Germany

Sample Name: NELUMBO Filter Bottle

Sample Batch No.: /
Production Date: /
Manufacturer: /

.....

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Date of Sample Received: 2024-10-22

Testing Period: 2024-10-22 ~ 2024-11-05

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Results(s): Please refer to next page(s).





SGS Approved Signatory



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Test Report

Sample Description:

Sample No.	SGS Sample ID	Description		
1 XMF24-0010560-0001		NELUMBO Filter Bottle		

Test requested:

Selected test(s) as requested by applicant: Test the Removal rate of Free Chlorine, Perfluorooctanoic acid (PFOA), Perfluorooctane sulfonic acid (PFOS) at the start-up of the service life.

Test method(s):

Dissociate Chlorine Residue Challenge Testing: Refer to NSF/ANSI 42-2022: Drinking Water Treatment Units. Aesthetic Effects.

Perfluorooctanoic acid (PFOA), Perfluorooctane sulfonic acid (PFOS) Residue Challenge Testing: Refer to NSF/ANSI 53-2022 Drinking Water Treatment Units-Health Effects.

Free Chlorine: GB/T 5750.11-2023 Standard examination methods for drinking water – Part 11: Disinfectants parameters.

Perfluorooctanoic acid (PFOA), Perfluorooctane sulfonate (PFOS): US EPA 537: Determination of Selected Perfluorinated Alkyl Acids in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS).

Test Result(s):

Table 1

Testing Point	Test item(s)	Unit(s)	Test Method(s)	Test result(s)			Reduction
				Influent spiked water	Effluent filtrated water	*Reduction (%)	Requirement (NSF/ANSI 42)
Start-up	Free chlorine	mg/L	GB/T 5750.11-2023 4.3	2.01	0.02	99.0	≥50%

Table 2

Testing Point	Test item(s)	Unit(s)	Test Method(s)	Test result(s)			Maximum Product Water
				Influent spiked water	Effluent filtrated water	*Reduction (%)	Concentration (NSF/ANSI 53)
Start-up	Perfluorooctanoic acid (PFOA)	μg/L	US EPA 537.1:2020	0.74	<0.01	>98.6	0.02
Start-up	Perfluorooctane sulfonic acid (PFOS)	μg/L	US EPA 537.1:2020	0.64	<0.01	>98.4	0.02



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Test Report

Remark:

- 1. *Reduction (%) = (The test result of Influent Spiked Water The test result of Effluent Filtrated Water) / The test result of Influent Spiked Water $\times 100\%$
- 2. The flow rate is 0.2 L/min.

Sample Photo:



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