



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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Xiamen Branch Testing, Inspection Services and Food Laboratory

No.31 Xianghong Road, Xiang'an Torch Industrial Zone, Xiamen, Fujian Province, China. 361101
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Test Report

XMF24-0010560-03A1

Date: 2025-02-21

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 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)		*Reduction (%)
				Influent spiked water	Effluent filtrated water	
Start-up	Lead (Pb)	µg/L	EPA 200.8	163	15	90.8

Remark:

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



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Test Report

XMF24-0010560-03A1

Date: 2025-02-21

Sample Photo:



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Attention:

Chinese shall prevail in this report.

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.

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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: /

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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Test Report

XMF24-0010560-01

Date: 2025-01-03

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 (%)	Reduction Requirement (NSF/ANSI 42)
				Influent spiked water	Effluent filtrated water		
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)		*Reduction (%)	Maximum Product Water Concentration (NSF/ANSI 53)
				Influent spiked water	Effluent filtrated water		
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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Date: 2025-01-03

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.

Sample Photo:



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