

## **NELUMBO Filter Bottle**

Independent Lab Report Certified Removal of Contaminants



#### 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.

2024-10-22
2024-10-22 ~ 2024-11-05
Select test(s) as requested by the client.
Please refer to next page(s).
Please refer to next page(s).







Verification: check.sgsonline.com.cn

SGS-CSTC Standards Technical Services Co., Ltd.Xiamen Branch Page 1 of 3



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/en/Terms-and-Conditions">https://www.sgs.com/en/Terms-and-Conditions</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. e contact us at telephone: (86-755) 8307 1443, Attention: To check the authenticity of testing /inspection report & certificate, ple or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'An Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 中国•福建•厦门•火炬(翔安)产业区翔虹路31号 邮编: 361101 t 400 - 691 - 0488 www.sgsgroup.com.cn t 400 - 691 - 0488

sgs.china@sgs.com Member of the SGS Group (SGS SA)



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):

	Test item(s)	Unit(s)	Test Method(s)	Test result(s)		
Testing Point				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  $\times 100\%$ 

2. The flow rate is 0.2 L/min.



Pechnical Service

### SGS-CSTC Standards Technical Services Co., Ltd.Xiamen Branch Page 2 of 3



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/en/Terms-and-Conditions">https://www.sgs.com/en/Terms-and-Conditions</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company, Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@sgs.com

No.31 Xianghong Road, Xiang'An Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 中国•福建•厦门•火炬(翔安)产业区翔虹路31号 邮编: 361101



XMF24-0010560-03A1

Date: 2025-02-21

Sample Photo:



SGS authenticate the photo on original report only

### 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. 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\*\*\*



### SGS-CSTC Standards Technical Services Co., Ltd.Xiamen Branch Page 3 of 3



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/en/Terms-and-Conditions">https://www.sgs.com/en/Terms-and-Conditions</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@esgs.com

No.31 Xianghong Road, Xiang'An Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 中国•福建•厦门•火炬(翔安)产业区翔虹路31号 邮编: 361101



Test Method(s):

Test Results(s):

#### **Test Report** XMF24-0010560-01 Date: 2025-01-03 Client Name: NELUMBO (Owner: Haji Hariki) Client Address: Scharnhorststraße 28B, 10115 Berlin, Germany **NELUMBO** Filter Bottle Sample Name: Sample Batch No.: 1 Production Date: 1 Manufacturer: 1 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.

Please refer to next page(s).

Please refer to next page(s).





Verification: check.sgsonline.com.cn

SGS-CSTC Standards Technical Services Co., Ltd.Xiamen Branch Page 1 of 3



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/en/Terms-and-Conditions">https://www.sgs.com/en/Terms-and-Conditions</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. e contact us at telephone: (86-755) 8307 1443. Attention: To check the authenticity of testing /inspection report & certificate, plea or email: <u>CN.Doccheck@sgs.com</u>

No.31 Xianghong Road, Xiang'An Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 中国•福建•厦门•火炬(翔安)产业区翔虹路31号 邮编: 361101 t 400 - 691 - 0488 t 400 - 691 - 0488

www.sgsgroup.com.cn sgs.china@sgs.com



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 Te	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

# 会有限之 注 验检测专用: lion & Testing Si

### SGS-CSTC Standards Technical Services Co., Ltd.Xiamen Branch Page 2 of 3



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.sgs.com/en/Terms-and-Conditions">https://www.sgs.com/en/Terms-and-Conditions</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced exceept in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@gsac.com

No.31 Xianghong Road, Xiang'An Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 中国•福建•厦门•火炬(翔安)产业区翔虹路31号 邮编: 361101



XMF24-0010560-01

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:



SGS authenticate the photo on original report only

### Attention:

Chinese shall prevail in this report.

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.



### SGS-CSTC Standards Technical Services Co., Ltd.Xiamen Branch Page 3 of 3



Unless otherwise agreed in writing, this document is issued by the Company subject to its General Conditions of Service printed overleaf, available on request or accessible at <a href="https://www.ggs.com/en/Terms-and-Conditions">https://www.ggs.com/en/Terms-and-Conditions</a>. Attention is drawn to the limitation of liability, indemnification and jurisdiction issues defined therein. Any holder of this document is advised that information contained hereon reflects the Company's findings at the time of its intervention only and within the limits of Client's instructions, if any. The Company's sole responsibility is to its Client and this document does not exonerate parties to a transaction from exercising all their rights and obligations under the transaction documents. This document cannot be reproduced except in full, without prior written approval of the Company. Any unauthorized alteration, forgery or falsification of the content or appearance of this document is unlawful and offenders may be prosecuted to the fullest extent of the law. Unless otherwise stated the results shown in this test report refer only to the sample(s) tested. Attention: To check the authenticity of testing /inspection report & certificate, please contact us at telephone: (86-755) 8307 1443, or email: CN.Doccheck@ags.com

No.31 Xianghong Road, Xiang'An Torch Industrial Zone, Xiamen, Fujian Province, China. 361101 中国•福建•厦门•火炬(翔安)产业区翔虹路31号 邮编: 361101