

Testergebnisse EVOadsorb

MIKROORGANISMEN



Test Report

NBF20-005452-04

Date: 20 Aug 2020

Client Name: EVODROP AG
Client Address: Hardgutstrasse 16, 8048 zurich schweiz

Sample Name: Evodrop Filter (scale inhibitor)
Manufacturer: EVODROP AG
Sample Batch No.: /
Production Date: /

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.

SGS Reference No.: XMF20-003276/NBF20-005438/NBF20-005450/NBF20-005451
Date of Sample Received: 28 Jun 2020
Testing Period: 28 Jun 2020 – 27 Jul 2020
Test Requested: Selected test(s) as requested by client.
Test Method: Please refer to the next page(s)
Test Result(s): Please refer to the next page(s)

Unless otherwise stated the results shown in this test report refer only to the items tested, and for clients internal use only, not to the society has the proof function. This document cannot be used for publicity, without prior written approval of the SGS.



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Member of the SGS Group (SGS SA)

Testergebnisse EVOadsorb

MIKROORGANISMEN



Test Report

NBF20-005452-04

Date: 20 Aug 2020

Sample Description:

Specimen No.	SGS Sample ID	Description
1	NBF20-005452.001	Evodrop Filter (scale inhibitor)

Test Requested:

Selected test(s) as requested by applicant:

Removal rate of Escherichia coli at the start and when the treated water is 10000L and 20000L

Test Strain(s):

Escherichia coli CICC 10389

Test Method:

Removal rate of Escherichia coli: Refer to Customer supply method & Refer to MOH Sanitary Standard for Hygienic Safety and Function Evaluation on Treatment Devices of Drinking Water & ISO 6222:1999

Test Result(s):

Table 1: Result of the start point

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s)*%
			Influent spiked water	Effluent filtrated water	
Escherichia coli	CFU/ mL	ISO 6222:1999	1.5×10^6	<1	>99.99

Table2: Result of 10000L

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s)*%
			Influent spiked water	Effluent filtrated water	
Escherichia coli	CFU/ mL	ISO 6222:1999	1.4×10^6	32	99.99

Table 3: Result of 20000L

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s)*%
			Influent spiked water	Effluent filtrated water	
Escherichia coli	CFU/ mL	ISO 6222:1999	1.2×10^6	1.2×10^4	99.00

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Testergebnisse EVOadsorb

MIKROORGANISMEN



Test Report

NBF20-005452-04

Date: 20 Aug 2020

Remark:

1. *Removal rate (%) = (Influent spiked water test result - Effluent filtrated water test result) / Influent spiked water test result × 100%
2. Test pressure 0.18Mpa, test temperature 25°C, flow rate 11L/min.

Sample photo:



NBF20-005452.001

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Testergebnisse EVOadsorb

SCHWERMETALLE



Test Report

NBF20-005452-01

Date: 20 Aug 2020

Client Name: EVODROP AG
Client Address: Hardgutstrasse 16, 8048 zurich schweiz

Sample Name: Evodrop Filter (scale inhibitor)
Manufacturer: EVODROP AG
Sample Batch No.: /
Production Date: /

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.

SGS Reference No.: XMF20-003276/NBF20-005438/NBF20-005450/NBF20-005451
Date of Sample Received: 28 Jun 2020
Testing Period: 28 Jun 2020 ~ 16 Jul 2020
Test Requested: Selected test(s) as requested by client.
Test Method: Please refer to the next page(s)
Test Result(s): Please refer to the next page(s)

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Testergebnisse EVOadsorb

SCHWERMETALLE



Test Report

NBF20-005452-01

Date: 20 Aug 2020

Sample Description:

Specimen No.	SGS Sample ID	Description
1	NBF20-005452.001	Evodrop Filter (scale inhibitor)

Test Requested:

Selected test(s) as requested by applicant:

Removal rate of Lead (Pb), Mercury (Hg), Cadmium (Cd) at the start and when the treated water is 10000L and 20000L

Test Method:

Removal rate of Lead (Pb), Mercury (Hg), Cadmium (Cd): Refer to MOH Sanitary Standard for Hygienic Safety and Function Evaluation on Treatment Devices of Drinking Water & GB/T 5750.6 - 2006 Standard examination methods for drinking water – Metal Parameters Inductively coupled plasma mass spectrometry

Test Result(s):

Table 1: Result of the start point

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s)*%
			Influent spiked water	Effluent filtrated water	
Lead (Pb)	mg/L	GB/T 5750.6-2006	0.1621	0.0019	98.83
Mercury (Hg)	mg/L	GB/T 5750.6-2006	0.0066	< 0.0002	>96.96
Cadmium (Cd)	mg/L	GB/T 5750.6-2006	0.0364	< 0.0002	>99.45

Table2: Result of 10000L

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s)*%
			Influent spiked water	Effluent filtrated water	
Lead (Pb)	mg/L	GB/T 5750.6-2006	0.1550	0.0007	99.55
Mercury (Hg)	mg/L	GB/T 5750.6-2006	0.0052	< 0.0002	>96.15
Cadmium (Cd)	mg/L	GB/T 5750.6-2006	0.0355	< 0.0002	>99.43

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Testergebnisse EVOadsorb

SCHWERMETALLE



Test Report

NBF20-005452-01

Date: 20 Aug 2020

Table 3: Result of 20000L

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s)*%
			Influent spiked water	Effluent filtrated water	
Lead (Pb)	mg/L	GB/T 5750.6-2006	0.1538	0.0018	98.83
Mercury (Hg)	mg/L	GB/T 5750.6-2006	0.0062	< 0.0002	>96.77
Cadmium (Cd)	mg/L	GB/T 5750.6-2006	0.0340	< 0.0002	>99.41

Remark:

- 1.*Removal rate (%) = (Influent spiked water test result - Effluent filtrated water test result)/ Influent spiked water test result ×100%
2. Test pressure 0.18Mpa, flow rate 11L/min.

Sample photo:



NBF20-005452.001

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Testergebnisse EVOadsorb

MEDIKAMENTENRÜCKSTÄNDE



Test Report

NBF20-005452-03

Date: 20 Aug 2020

Client Name: EVODROP AG
Client Address: Hardgutstrasse 16, 8048 zurich schweiz
Sample Name: Evodrop Filter (scale inhibitor)
Manufacturer: EVODROP AG
Sample Batch No.: /
Production Date: /

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.

SGS Reference No.: XMF20-003276/NBF20-005438/NBF20-005450/NBF20-005451
Date of Sample Received: 28 Jun 2020
Testing Period: 28 Jun 2020 – 16 Jul 2020
Test Requested: Selected test(s) as requested by client.
Test Method: Please refer to the next page(s)
Test Result(s): Please refer to the next page(s)

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Testergebnisse EVOadsorb

MEDIKAMENTENRÜCKSTÄNDE



Test Report

NBF20-005452-03

Date: 20 Aug 2020

Sample Description:

Specimen No.	SGS Sample ID	Description
1	NBF20-005452.001	Evodrop Filter (scale inhibitor)

Test Requested:

Selected test(s) as requested by applicant:

Removal rate of Oxytetracycline, Roxithromycin at the start and when the treated water is 10000L and 20000L

Test Method:

Removal rate of Oxytetracycline, Roxithromycin: Refer to MOH Sanitary Standard for Hygienic Safety and Function Evaluation on Treatment Devices of Drinking Water & Refer to in house method HPLC/MS/MS

Test Result(s):

Table 1: Result of the start point

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s)*%
			Influent spiked water	Effluent filtrated water	
Oxytetracycline	µg/L	Refer to in house method	2.365	< 0.005	> 99.78
Roxithromycin	µg/L	Refer to in house method	2.581	< 0.005	> 99.80

Table2: Result of 10000L

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s)*%
			Influent spiked water	Effluent filtrated water	
Oxytetracycline	µg/L	Refer to in house method	3.000	< 0.005	>99.83
Roxithromycin	µg/L	Refer to in house method	3.000	< 0.005	>99.83

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Member of the SGS Group (SGS SA)

Testergebnisse EVOadsorb

MEDIKAMENTENRÜCKSTÄNDE



Test Report

NBF20-005452-03

Date: 20 Aug 2020

Table 3: Result of 20000L

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s)*%
			Influent spiked water	Effluent filtrated water	
Oxytetracycline	µg/L	Refer to in house method	3.801	0.047	98.76
Roxithromycin	µg/L	Refer to in house method	3.039	< 0.005	>99.83

Remark:

- 1.*Removal rate (%) = (Influent spiked water test result - Effluent filtrated water test result)/ Influent spiked water test result ×100%
2. Test pressure 0.18Mpa, flow rate 11L/min.

Sample photo:



NBF20-005452.001

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Member of the SGS Group (SGS SA)

Testergebnisse EVOadsorb

PESTIZIDE



Test Report

NBF20-006592-01

Date: 21 Aug 2020

Client Name: EVODROP AG
Client Address: Hardgutstrasse 16, 8048 zurich schweiz

Sample Name: Evodrop Filter (scale inhibitor)
Manufacturer: EVODROP AG
Sample Batch No.: /
Production Date: /

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.

SGS Reference No.: XMF20-003276
Date of Sample Received: 28 Jun 2020
Testing Period: 28 Jun 2020 ~ 06 Aug 2020
Test Requested: Selected test(s) as requested by client.
Test Method: Please refer to the next page(s)
Test Result(s): Please refer to the next page(s)

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Member of the SGS Group (SGS SA)

Testergebnisse EVOadsorb

PESTIZIDE



Test Report

NBF20-006592-01

Date: 21 Aug 2020

Sample Description:

Specimen No.	SGS Sample ID	Description
1	NBF20-006592.001	Evodrop Filter (scale inhibitor)

Test Requested:

Selected test(s) as requested by applicant:

Removal rate of Dimethoate, Bentazone, Carbofuran at the start and when the treated water is 10000L and 20000L

Test Method:

Removal rate of Dimethoate, Bentazone: Refer to MOH Sanitary Standard for Hygienic Safety and Function Evaluation on Treatment Devices of Drinking Water & GB/T 23214-2008 Determination of 450 pesticides and related chemicals residues in drinking water-LC-MS-MS method.

Removal rate of Carbofuran: Refer to MOH Sanitary Standard for Hygienic Safety and Function Evaluation on Treatment Devices of Drinking Water & GB/T 23214-2008 Determination of 450 pesticides and related chemicals residues in drinking water-LC-MS-MS method.

Test Result(s):

Table 1: Result of the start point

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s)*%
			Influent spiked water	Effluent filtrated water	
Dimethoate	mg/L	GB/T 23214-2008	0.454	0.001	99.78
Bentazone	mg/L	GB/T 23214-2008	2.006	0.013	99.35
Carbofuran	mg/L	GB/T 23214-2008	0.019	< 0.001	> 94.73

Table2: Result of 10000L

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s)*%
			Influent spiked water	Effluent filtrated water	
Dimethoate	mg/L	GB/T 23214-2008	0.504	0.003	99.40
Bentazone	mg/L	GB/T 23214-2008	2.214	0.019	99.14
Carbofuran	mg/L	GB/T 23214-2008	0.020	< 0.001	> 95.00

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PESTIZIDE



Test Report

NBF20-006592-01

Date: 21 Aug 2020

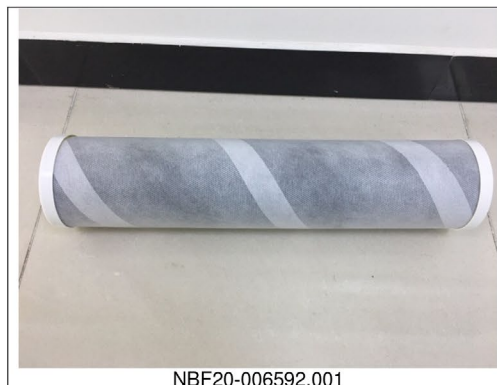
Table 3: Result of 20000L

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s)*%
			Influent spiked water	Effluent filtrated water	
Dimethoate	mg/L	GB/T 23214-2008	0.532	0.003	99.44
Bentazone	mg/L	GB/T 23214-2008	2.124	0.020	99.06
Carbofuran	mg/L	GB/T 23214-2008	0.023	< 0.001	> 95.65

Remark:

- 1.*Removal rate (%) = (Influent spiked water test result - Effluent filtrated water test result)/ Influent spiked water test result × 100%
2. Test pressure 0.18Mpa, flow rate 11L/min.
3. Test items were carried out by SGS-CSTC Standards Technical Services(Shanghai) Co.,Ltd.

Sample photo:



NBF20-006592.001

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Testergebnisse EVOadsorb

MIKROPLASTIK



Test Report

NBF20-006641-01

Date: 21 Aug 2020

Client Name: EVODROP AG
Client Address: Hardgutstrasse 16, 8048 zurich schweiz

Sample Name: Evodrop Filter (scale inhibitor)
Manufacturer: EVODROP AG
Sample Batch No.: /
Production Date: /

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.

SGS Reference No.: XMF20-003276
Date of Sample Received: 28 Jun 2020
Testing Period: 28 Jun 2020 ~ 19 Aug 2020
Test Requested: Selected test(s) as requested by client.
Test Method: Please refer to the next page(s)
Test Result(s): Please refer to the next page(s)

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Member of the SGS Group (SGS SA)

Testergebnisse EVOadsorb

MIKROPLASTIK



Test Report

NBF20-006641-01

Date: 21 Aug 2020

Sample Description:

Specimen No.	SGS Sample ID	Description
1	NBF20-006641.001	Evodrop Filter (scale inhibitor)

Test Requested:

Selected test(s) as requested by applicant:

Removal rate of particles($\geq 10\mu\text{m}$) at startup and when the treated water is 10000L and 20000L.

Test Method:

Removal rate of particles($\geq 10\mu\text{m}$): Refer to MOH Sanitary Standard for Hygienic Safety and Function Evaluation on Treatment Devices of Drinking Water & USP 42-NF 37 <788>

Test Result(s):

Table 1: Result of the start point

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate (s)*%
			Influent spiked water	Effluent filtrated water	
Particles($\geq 10\mu\text{m}$)#	particles/mL	USP 42-NF 37 <788>	561.27	5.73	98.98

Table2: Result of 10000L

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate (s)*%
			Influent spiked water	Effluent filtrated water	
Particles($\geq 10\mu\text{m}$)#	particles/mL	USP 42-NF 37 <788>	6040.47	642.13	89.37

Table 3: Result of 20000L

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate (s)*%
			Influent spiked water	Effluent filtrated water	
Particles($\geq 10\mu\text{m}$)#	particles/mL	USP 42-NF 37 <788>	1141.67	7.53	99.34

Remark:

1.*Removal rate (%) = (Influent spiked water test result - Effluent filtrated water test result)/ Influent spiked water test result $\times 100\%$

2. Test pressure 0.18Mpa, flow rate 11L/min.

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Testergebnisse EVOadsorb

MIKROPLASTIK



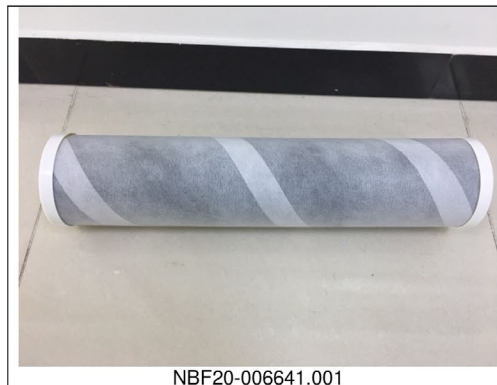
Test Report

NBF20-006641-01

Date: 21 Aug 2020

3.# Test items were carried out by SGS-CSTC Standards Technical Services(Shanghai) Co.,Ltd.

Sample photo:



NBF20-006641.001

SGS authenticate the photo on original report only
*** End ***

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Member of the SGS Group (SGS SA)

Testergebnisse EVOadsorb

CHLORINE



Test Report

Report No: ASH19-011388-12

Date: Apr 23 2019

Client Name: EVODROP AG
Client Address: Hardgutstrasse 16, 8048 zurich schweiz
Sample Name: Evodrop Filter (scale inhibitor)
Manufacturer: EVODROP AG
Sample Batch No.: /
Production Date: /

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.

SGS reference No.: XMAFN190300163
Date of sample received: Mar 11 2019
Testing period: Mar 11 2019 - Apr 01 2019
Test Requested: Selected test(s) as requested by applicant
Test Method: Please refer to the next page(s)
Test Result(s): Please refer to the next page(s)

Unless otherwise stated the results shown in this test report refer only to the items tested, and for clients internal use only, not to the society has the proof function. This document cannot be used for publicity, without prior written approval of the SGS.

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Member of the SGS Group (SGS SA)

Testergebnisse EVOadsorb

CHLORINE



Test Report

Report No: ASH19-011388-12

Date: Apr 23 2019

Sample Description:

Specimen No.	SGS Sample ID	Description
1	NBF20-006641.001	Evodrop Filter (scale inhibitor)

TEST REQUESTED:

Selected test(s) as requested by applicant: Dissociate chlorine residue removal rate at startup, 2500L, 5000L of operating life

TEST METHOD(S):

Dissociate chlorine residue removal rate: Refer to Ministry of Health of the People's Republic of China Sanitary Standard for Hygienic Safety and Function Evaluation on Treatment Devices of Drinking Water – General Devices & GB/T 5750.11 - Standard examination methods for drinking water—Disinfectants parameters

TEST RESULT(S):

1. At startup

Test item(s)	Unit(s)	Test method(s)	Limit of Quantitation	Test result(s)		Removal rate(s) * (%)
				Influent spiked water	Effluent filtrated water	
Dissociate chlorine residue	mg/L	GB/T 5750.11-2006	0.01	2.07	0.02	99.0

2. At 2500L

Test item(s)	Unit(s)	Test method(s)	Limit of Quantitation	Test result(s)		Removal rate(s) * (%)
				Influent spiked water	Effluent filtrated water	
Dissociate chlorine residue	mg/L	GB/T 5750.11-2006	0.01	1.96	0.02	99.0

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Testergebnisse EVOadsorb

CHLORINE

SGS

Test Report

Report No: ASH19-011388-12

Date: Apr 23 2019

3.At 5000L

Test item(s)	Unit(s)	Test method(s)	Limit of Quantitation	Test result(s)		Removal rate(s) * (%)
				Influent spiked water	Effluent filtrated water	
Dissociate chlorine residue	mg/L	GB/T 5750.11-2006	0.01	2.00	0.04	98.0

Remark:

- 1.*Removal rate (%) = (Influent spiked water test result - Effluent filtrated water test result)/ Influent spiked water test result ×100%
2. Test pressure 0.18Mpa, flow rate 11L/min.

Sample Picture:



*** End ***

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