



Test Report

NBF21-014826-01

Date: 11 Jan 2022

Client Name: EVODROP AG
Client Address: Hardgutstrasse 16, Zurich 8048 Switzerland

Sample Name: EVOdrink
Manufacturer: Evodrop AG
Sample Batch No.: EVO-10Dr
Production Date: 20210715

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.: NBF21-014823/14824/14825
Date of Sample Received: 20 Dec 2021
Testing Period: 20 Dec 2021 - 11 Jan 2022
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 improper publicity, without prior written approval of the SGS.

SGS Authorized Signature

scan to see the report



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Sample Description:

Specimen No.	SGS Sample ID	Description
1	NBF21-014826.001	EVOdrink

Test Requested:

Selected test(s) as requested by applicant:

Removal rates of Lead (Pb), Mercury (Hg), Cadmium (Cd), Chloroform, Dissociate chlorine residue, Escherichia coli, Staphylococcus aureus, Enterococcus faecalis at startup, 5000L and 10000L.

Test Strain(s):

Escherichia coli CICC 10389

Staphylococcus aureus ATCC 6538

Enterococcus faecalis FSCC 146002

Test Method:

Challenge Testing: Refer to Ministry of Health of the People's Republic of China Standards for Drinking Water Quality Sanitary Standard for Hygienic Safety and Function Evaluation on Treatment Devices of Drinking Water-General Devices

Escherichia coli, Staphylococcus aureus, Enterococcus faecalis: GB/T 5750.12-2006 Standard examination methods for drinking water-Microbiological parameters

Lead (Pb), Mercury (Hg), Cadmium (Cd): GB/T 5750.6-2006 Standard examination methods for drinking water – Metal Parameters Metal Parameters Inductively coupled plasma mass spectrometry ICP/MS

Chloroform: GB/T 5750.8-2006 Standard examination methods for drinking water – Organic parameters

Dissociate chlorine residue: GB/T 5750.11-Standard examination methods for drinking water — Disinfectants parameters

Test Result(s):

Test Result(s) of startup

Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s)%
			Influent spiked water	Effluent filtrated water	
Escherichia coli	CFU/mL	GB/T 5750.12-2006	1.5×10^6	8	99.99
Staphylococcus aureus	CFU/mL	GB/T 5750.12-2006	2.2×10^6	44	99.99
Enterococcus faecalis	CFU/mL	GB/T 5750.12-2006	1.5×10^6	1.1×10^4	99.27

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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	0.2120	<0.0005	>99.76
Mercury (Hg)	mg/L	GB/T 5750.6-2006	0.0062	<0.0002	>96.77
Cadmium (Cd)	mg/L	GB/T 5750.6-2006	0.0353	<0.0002	>99.43
Chloroform	mg/L	GB/T 5750.8-2006	0.2352	<0.0002	>99.91
Dissociate chlorine residue	mg/L	GB/T 5750.11-2006	2.03	<0.01	>99.50

Test Result(s) of 5000L

Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s)%
			Influent spiked water	Effluent filtrated water	
Escherichia coli	CFU/mL	GB/T 5750.12-2006	1.2×10 ⁶	4.4×10 ⁴	96.33
Staphylococcus aureus	CFU/mL	GB/T 5750.12-2006	4.0×10 ⁶	3.2×10 ⁴	99.20
Enterococcus faecalis	CFU/mL	GB/T 5750.12-2006	1.0×10 ⁶	7.2×10 ⁴	92.80
Lead (Pb)	mg/L	GB/T 5750.6-2006	0.1407	<0.0005	>99.64
Mercury (Hg)	mg/L	GB/T 5750.6-2006	0.0034	<0.0002	>94.11
Cadmium (Cd)	mg/L	GB/T 5750.6-2006	0.0361	<0.0002	>99.44
Chloroform	mg/L	GB/T 5750.8-2006	0.3621	0.0044	98.78
Dissociate chlorine residue	mg/L	GB/T 5750.11-2006	2.01	<0.01	>99.50

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Test Result(s) 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	GB/T 5750.12-2006	1.1×10 ⁶	4.2×10 ⁴	96.18
Staphylococcus aureus	CFU/mL	GB/T 5750.12-2006	1.5×10 ⁶	9.2×10 ⁴	93.87
Enterococcus faecalis	CFU/mL	GB/T 5750.12-2006	1.1×10 ⁶	1.0×10 ⁵	90.91
Lead (Pb)	mg/L	GB/T 5750.6-2006	0.2405	<0.0005	>99.79
Mercury (Hg)	mg/L	GB/T 5750.6-2006	0.0095	<0.0002	>97.89
Cadmium (Cd)	mg/L	GB/T 5750.6-2006	0.0330	<0.0002	>99.39
Chloroform	mg/L	GB/T 5750.8-2006	0.3198	0.0104	96.75
Dissociate chlorine residue	mg/L	GB/T 5750.11-2006	2.05	<0.01	>99.51

Remark:

- *Removal rate (%) = (test result of Influent spiked water - test result of Effluent filtrated water) / test result of Influent spiked water × 100%
- The inlet pressure is 0.18 MPa, the start flow rate is 4 L/min

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Sample photo:



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SGS authenticate the photo on original report only

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