



Test Report

NBF23-001251-02

Date: 17 Mar 2023

Client Name: BLUEVUA INC.
Client Address: 100 N Howard St Ste R Spokane, WA 99201-0508, USA

Sample Name: Bluevua RO100ROPOT Countertop Reverse Osmosis System
Manufacturer: /
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.

Date of Sample Received: 27 Feb 2023
Testing Period: 27 Feb 2023 - 17 Mar 2023
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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NBF23-001251-02

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Ningbo Branch Agricultural and Food Laboratory

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Test Report

NBF23-001251-02

Date: 17 Mar 2023

Sample Description:

Specimen No.	SGS Sample ID	Description
1	NBF23-001251.002	Bluevua RO100ROPOT Countertop Reverse Osmosis System, Quantity: 1 set

Test Requested:

Selected test(s) as requested by applicant:
Removal rates of PFOA and PFOS at startup of operating life.

Test Method:

PFOA, PFOS: USEPA 537.1

Test Result(s):

Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s) %
			Influent spiked water	Effluent filtrated water	
#PFOA	µg/L	USEPA 537.1	0.38	<0.01	>97.36
#PFOS	µg/L	USEPA 537.1	1.34	<0.01	>99.25

Remark:

- *Removal rate (%) = (test result of Influent spiked water - test result of Effluent filtrated water) / test result of Influent spiked water × 100%
- #Test items were carried out by SGS-CSTC Standards Technical Services (Shanghai) Co.,Ltd.
- The test voltage is 220V



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Test Report

NBF23-001251-02

Date: 17 Mar 2023

Sample photo:



NBF23-001251.002

SGS authenticate the photo on original report only

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Test Report

Report No: **ASH22-028738-01**

Date: **Aug 05 2022**

Client name: BLUEVUA INC.
Client address: 100 N Howard St Ste R Spokane, WA 99201-0508, USA
Sample name: Bluevua RO100ROPOT Countertop Reverse Osmosis System
Sample Batch No.: /
Product 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: 22 Jul 2022
Testing period: 22 Jul 2022 - 05 Aug 2022
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)

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Testing Center Agency and Field Laboratory

3rd Building, No.889, Yishan Road, Shanghai, China 200233

t 400 - 691 - 0488

f (86-21) 6140 2547

www.sgsgroup.com.cn

中国·上海·宜山路889号3号楼

邮编:200233

t 400 - 691 - 0488

f (86-21) 6140 2547

e sgs.china@sgs.com

Test Report

Report No: ASH22-028738-01

Date: Aug 05 2022

Sample Description:

Specimen No.	SGS Sample ID	Description
1	ASH22-028738	Bluevua RO100ROPOT Countertop Reverse Osmosis System

TEST REQUESTED:

Selected test(s) as requested by applicant: Monochloroacetic Acid (MCAA), Dichloroacetic Acid (DCAA) Trichloroacetic Acid (TCAA), Monobromoacetic Acid (MBAA) and Dibromoacetic Acid (DBAA) removal rate at startup of operating life.

TEST METHOD(S):

Monochloroacetic Acid (MCAA), Dichloroacetic Acid (DCAA) Trichloroacetic Acid (TCAA), Monobromoacetic Acid (MBAA), Dibromoacetic Acid (DBAA) removal rate: Refer to MOH Sanitary Standard for Hygienic Safety and Function Evaluation on Treatment Devices of Drinking Water & EPA 552.2 Haloacetic Acids and Dalapon in Water Using GC-ECD

TEST RESULT(S):

Test item(s)	Unit(s)	Test method(s)	Test result(s)		Removal rate(s) * (%)
			Influent spiked water	Effluent filtrated water	
Monochloroacetic Acid (MCAA)	mg/L	EPA 552.2	0.46	< 0.01	> 97.8
Dichloroacetic Acid (DCAA)	mg/L	EPA 552.2	0.49	< 0.01	> 97.9
Trichloroacetic Acid (TCAA)	mg/L	EPA 552.2	0.48	< 0.01	> 97.8
Monobromoacetic Acid (MBAA)	mg/L	EPA 552.2	0.51	< 0.01	> 98.0
Dibromoacetic Acid (DBAA)	mg/L	EPA 552.2	0.49	< 0.01	> 97.9

Remark: 1.*Removal rate (%) = (Influent spiked water test result - Effluent filtrated water test result) / Influent spiked water test result x 100%.

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t 400 - 691 - 0488

f (86-21) 6140 2547

www.sgs.com.cn

中国·上海·宜山路889号3号楼

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Test Report

Report No: ASH22-028738-01

Date: Aug 05 2022

Sample Picture:



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邮编:200233

t 400 - 691 - 0488

f (86-21) 6140 2547

e sgs.china@sgs.com



Test Report

NBF22-009404-01

Date: 18 Jul 2022

Client Name: BLUEVUA INC.
Client Address: 100 N Howard St Ste R Spokane, WA 99201-0508, USA

Sample Name: Bluevua RO100ROPOT Countertop Reverse Osmosis System
Manufacturer: /
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.: NBF22-009397/NBF22-009400
Date of Sample Received: 08 Jul 2022
Testing Period: 08 Jul 2022 - 14 Jul 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)

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Test Report

NBF22-009404-01

Date: 18 Jul 2022

Sample Description:

Specimen No.	SGS Sample ID	Description
1	NBF22-009404.001	White desk reverse osmosis water purifier

Test Requested:

Selected test(s) as requested by applicant:

Removal rates of Total coliforms, Escherichia coli bacteriophage MS2, Lead (Pb), Arsenic (As), Color, Turbidity, Fluoride, Dissociate chlorine residue at startup of operating life.

Test Strain(s):

Escherichia coli CICC 10389

Escherichia coli bacteriophage MS2 ATCC 15597-B1—Coliphage

Escherichia coli ATCC 700891—Host bacteria

Test Method:

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-Reverse Osmosis Device

Color, Turbidity: GB/T 5750.4-2006 Standard examination methods for drinking water – Organoleptic and physical parameters

Fluoride: GB/T 5750.5-2006 Standard examination methods for drinking water – Nonmetal Parameters

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

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

Total coliforms: GB/T 5750.12-2006 Standard examination methods for drinking water-Microbiological parameters

Escherichia coli bacteriophage MS2: Refer to EPA method 1602 Male-specific (F⁺) and somatic coliphage in water by single agar layer (SAL) procedure

Test Result(s):

Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s)%
			Influent spiked water	Effluent filtrated water	
Total coliforms	CFU/100mL	GB/T 5750.12-2006	1.3×10 ⁴	<1	>99.99
Escherichia coli bacteriophage MS2	PFU/mL	EPA method 1602	6.6×10 ⁴	<1	>99.99

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Test Report

NBF22-009404-01

Date: 18 Jul 2022

Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s)%
			Influent spiked water	Effluent filtrated water	
Color	Hazen	GB/T 5750.4-2006	75	<5	>93.33
Turbidity	NTU	GB/T 5750.4-2006	23.9	0.39	98.37
Fluoride	mg/L	GB/T 5750.5-2006	6.582	0.094	98.57
Arsenic (As)	mg/L	GB/T 5750.6-2006	0.4762	0.0254	94.67
Lead (Pb)	mg/L	GB/T 5750.6-2006	0.5136	0.0025	99.51
Dissociate chlorine residue	mg/L	GB/T 5750.11-2006	11.50	<0.01	>99.91

Remark:

1. *Removal rate (%) = (test result of Influent spiked water- test result of Effluent filtrated water)/ test result of Influent spiked water×100%

Sample photo:



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Test Report

NBF22-009404-02

Date: 18 Jul 2022

Client Name: BLUEVUA INC.

Client Address: 100 N Howard St Ste R Spokane, WA 99201-0508, USA

Sample Name: Bluevua RO100ROPOT Countertop Reverse Osmosis System

Manufacturer: /

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.: NBF22-009397/NBF22-009400

Date of Sample Received: 08 Jul 2022

Testing Period: 08 Jul 2022 - 14 Jul 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)

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Test Report

NBF22-009404-02

Date: 18 Jul 2022

Sample Description:

Specimen No.	SGS Sample ID	Description
1	NBF22-009404.001	White desk reverse osmosis water purifier

Test Requested:

Selected test(s) as requested by applicant:

Hygienic safety extraction testing: Flush the sample with pure water, then fill it with pure water and keep it at room temperature for 24h. Then collect the extraction water for testing.

Test Method:

Hygienic safety extraction 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-Reverse Osmosis Device

Color, Odor and taste, Visible substance, Volatile phenolic compounds: GB/T 5750.4-2006 Standard examination methods for drinking water – Organoleptic and physical parameters

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

Chromium-VI: GB/T 5750.6-2006 Standard examination methods for drinking water – Metal Parameters

Total plate count, Total coliforms, Fecal coliforms: GB/T 5750.12-2006 Standard examination methods for drinking water –Microbiological Parameters



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Test Result(s):

Test item(s)	Unit (s)	Test method (s)	Test result(s)			*Increased amount1	*Increased amount2	Requirement(s)	Single determination
			Sample Group1	Sample Group2	Control Group				
Color	Hazen	GB/T 5750.4-2006	<5	<5	<5	<5	<5	Increased amount≤5	Conform
Odor and taste	--	GB/T 5750.4-2006	None	None	None	None	None	No abnormal odor and taste	Conform
Visible substance	--	GB/T 5750.4-2006	None	None	None	None	None	Absence	Conform
Lead (Pb)	mg/L	GB/T 5750.6-2006	0.0010	<0.0005	<0.0005	0.0008	<0.0005	Increased amount≤0.001	Conform
Cadmium (Cd)	mg/L	GB/T 5750.6-2006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	Increased amount ≤0.0005	Conform
Mercury (Hg)	mg/L	GB/T 5750.6-2006	<0.0002	<0.0002	<0.0002	<0.0002	<0.0002	Increased amount ≤0.0002	Conform
Chromium-VI	mg/L	GB/T 5750.6-2006	<0.004	<0.004	<0.004	<0.004	<0.004	Increased amount ≤0.005	Conform
Arsenic (As)	mg/L	GB/T 5750.6-2006	0.0006	<0.0005	0.0006	<0.0005	<0.0005	Increased amount ≤0.001	Conform



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SGS-CSTC Standards Technical Services Co., Ltd.
Ningbo Branch Agricultural and Food Laboratory

NO.3, NO.4 Building Lingyun Industry Park, No.1177 Lingyun Road, Ningbo National Hi-Tech Zone, Ningbo, China 315040 t 400-691-0488 f (86-574) 8752 9318 www.sgs.com.cn
中国·浙江·宁波市国家高新区凌云路1177号凌云产业园3号楼, 4号楼 邮编: 315040 t 400-691-0488 f (86-574) 8752 9318 e sgs.china@sgs.com

Test item(s)	Unit (s)	Test method (s)	Test result(s)			*Increased amount1	*Increased amount2	Requirement(s)	Single determination
			Sample Group1	Sample Group2	Control Group				
Volatile Phenolic Compounds (as phenol)	mg/L	GB/T 5750.4-2006	<0.002	<0.002	<0.002	<0.002	<0.002	Increased amount ≤0.002	Conform
Total plate count	CFU/mL	GB/T 5750.12-2006	<1	<1	<1	<1	<1	≤100	Conform
Total coliforms	CFU/100mL	GB/T 5750.12-2006	<1	<1	<1	<1	<1	No detection per 100mL water sample	Conform
Fecal coliforms	CFU/100mL	GB/T 5750.12-2006	<1	<1	<1	<1	<1	No detection per 100mL water sample	Conform

Remark:

- *The increased amount is the concentration of pollutant in the extraction water minus it in the control group. If the concentration of the pollutant in the control group is less than the limit of quantitation, it is calculated as 1/2 of the detection limit.
- Total coliforms and fecal coliforms test results <1CFU/100mL means no detection
- Unless otherwise stated, the judgement of compliance in this report is based on whether the test result is within the specified limits or specifications with no account taken of the uncertainty.



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Test Report

NBF22-009404-02

Date: 18 Jul 2022

Sample photo:



NBF22-009404.001

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NO.3, NO.4 Building Lingyun Industry Park, No.1177 Lingyun Road, Ningbo National Hi-Tech Zone, Ningbo, China 315040 t 400-691-0488 f (86-574) 8752 9318 www.sgsgroup.com.cn
中国·浙江·宁波市国家高新区凌云路1177号凌云产业园3号楼, 4号楼 邮编: 315040 t 400-691-0488 f (86-574) 8752 9318 e sgs.china@sgs.com