

Test Report

NBF23-0013558-01

Date: 2023-12-01

Client Name: West Ryder Technology LLC

Client Address: 251 Little Falls Drive Wilmington, DE 19808-1674

Sample Name: Reverse Osmosis Water Purifie

Sample Batch No.: /

Manufacturer: West Ryder Technology LLC

Manufacturer Address: 251 Little Falls Drive Wilmington, DE 19808-1674

Trade Mark: Airthereal

Main Model : Lite3

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: 2023-11-10

Testing Period: 2023-11-10 ~ 2023-12-01

Test Requested: Select test(s) as requested by the client.

Test Method(s): Please refer to next page(s).

Test Result(s): Please refer to next page(s).



SGS Approved Signatory

SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch

Page 1 of 5

Scan to see the report



NBF23-0013558-01

Verification:
check.sgsonline.com.cn



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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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

SGS-CSTC Standards Technical Services Co., Ltd.
Ningbo Branch Agencija za Standardizaciju i Testiranje

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

Test Report

NBF23-0013558-01

Date: 2023-12-01

Sample Description:

Sample No.	SGS Sample ID	Description
1	NBF23-0013558-0001	Reverse Osmosis Water Purifier, Quantity: 2 sets

Test Requested:

Selected test(s) as requested by applicant:

Removal rates of Turbidity, Total dissolved solids (TDS), Arsenic (As), Mercury (Hg), Cadmium (Cd), Lead (Pb), Copper (Cu), Barium (Ba), Selenium (Se), Chromium, Dissociate chlorine residue, Nitrate (as N), Fluoride, Chlorate (ClO_3^-), Perfluorooctane Sulfonate, Perfluorooctanoic acid, Total coliforms at the start point of operating life.

Test Strain(s):

Escherichia coli CICC 10389

Test Method:

Challenge Testing: Refer to NSF/ANSI 58-2020 Reverse Osmosis Drinking Water Treatment Systems & NSF/ANSI 42-2020: Drinking Water Treatment Units - Aesthetic Effects & 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

Turbidity, Total dissolved solids (TDS): GB/T 5750.4-2023 Standard examination methods for drinking water – Part 4: Organoleptic and physical indices

Arsenic (As), Mercury (Hg), Cadmium (Cd), Lead (Pb), Copper (Cu), Barium (Ba), Selenium (Se), Chromium (Cr): USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry

Dissociate chlorine residue: GB/T 5750.11-2023 Standard examination methods for drinking water — Part 11: Disinfectants indices

Nitrate (as N), Fluoride, Chlorate (ClO_3^-): USEPA 300.0 Determination of Inorganic Anions by Ion Chromatography

Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic acid (PFOA): Refer to USEPA 537.1-2020 Determination of ed perfluorinated alkyl acids in drinking water by solid phase extraction and liquid chromatography/tandem mass spectrometry

Total coliforms: GB/T 5750.12-2023 Standard examination methods for drinking water— Part 12: Microbiological indices

SGS-CSTC Standards Technical Services Co., Ltd.Ningbo Branch

Page 2 of 5



SGS-CSTC Standards Technical Services Co., Ltd.
Ningbo Branch Hygienic Safety Food Laboratory

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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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.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

Member of the SGS Group (SGS SA)

Test Report

NBF23-0013558-01

Date: 2023-12-01

Test Result(s): Table 1

NO	Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s)%	Requirement(s)
				Influent spiked water	Effluent filtrated water		Maximum effluent concentration (mg/L) NSF/ANSI 58
1	Turbidity	NTU	GB/T 5750.4-2023	11.3	<0.2	>98.23	/
2	Total dissolved solids (TDS)	mg/L	GB/T 5750.4-2023	752	19	97.47	/
3	#Nitrate (as N)	mg/L	EPA 300.0	33.586	0.041	99.88	10.0
4	#Fluoride	mg/L	EPA 300.0	8.70	<0.01	>99.88	1.5
5	Arsenic (As)	mg/L	EPA 200.8	0.3456	<0.0002	>99.94	0.010
6	Cadmium (Cd)	mg/L	EPA 200.8	0.0287	<0.0005	>98.25	0.005
7	Chromium	mg/L	EPA 200.8	0.313	<0.001	>99.68	0.1
8	Lead (Pb)	mg/L	EPA 200.8	0.1498	<0.0002	>99.86	0.005
9	Mercury (Hg)	mg/L	EPA 200.8	0.0099	<0.0002	>97.97	0.002
10	Copper (Cu)	mg/L	EPA 200.8	3.237	<0.005	>99.84	1.3
11	Barium (Ba)	mg/L	EPA 200.8	10.358	<0.005	>99.95	2.0
12	Selenium(Se)	mg/L	EPA 200.8	0.111	<0.001	>99.09	0.05
13	#Chlorate (ClO ₃ ⁻)	mg/L	EPA 300.0	0.11	<0.01	>90.90	/
14	Total coliforms	CFU/100mL	GB/T 5750.12-2023	4.8×10 ⁵	<1	>99.99	/
15	#Perfluorooctane Sulfonate (PFOS)	mg/L	EPA 537.1	0.00080	<0.00001	>98.75	0.00007
16	#Perfluorooctanoic acid (PFOA)	mg/L	EPA 537.1	0.00055	<0.00001	>98.18	0.00007

有限公司
检测专
& Testing
Technical Service

SGS-CSTC Standards Technical Services Co., Ltd.Ningbo Branch
Page 3 of 5



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

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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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.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

Member of the SGS Group (SGS SA)

Test Report

NBF23-0013558-01

Date: 2023-12-01

Table 2

NO	Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s)%	Requirement(s)
				Influent spiked water	Effluent filtrated water		Percent reduction requirement (%) NSF/ANSI 42
1	Dissociate chlorine residue	mg/L	GB/T 5750.11-2023	1.94	<0.01	>99.48	≥50.00

Remark:

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

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

SGS-CSTC Standards Technical Services Co., Ltd.Ningbo Branch

Page 4 of 5



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

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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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.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

Member of the SGS Group (SGS SA)

Test Report

NBF23-0013558-01

Date: 2023-12-01

Sample photo:



NBF23-0013558-0001

SGS authenticate the photo on original report only

Attention:

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. Ningbo Branch

Page 5 of 5



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

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 <http://www.sgs.com/en/Terms-and-Conditions.aspx> and, for electronic format documents, subject to Terms and Conditions for Electronic Documents at <http://www.sgs.com/en/Terms-and-Conditions/Terms-e-Documents.aspx>. 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.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

Member of the SGS Group (SGS SA)

SGS 公司
Ningbo Branch