

Test Report

XMF24-0000801-04

Date: 2024-04-17

Client Name: JIN FANG TECHNOLOGY (HONG KONG)LIMITED

Client Address: UNIT 616.6/F, KAM TEEM IND BLDG, 135 CONNAUGHT RD WEST, SAI WAN, HONG KONG

Sample Name: Reverse Osmosis Water Filtration System

Sample Batch No.: /

Production Date: /

Manufacturer: JIN FANG TECHNOLOGY (HONG KONG)LIMITED

Sample other information: Model No.: S1, Leo, Micro, S1 Pro, Gemini, Hugo

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.: /

Date of Sample Received: 2024-03-08

Testing Period: 2024-03-08 ~ 2024-04-12

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

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

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



SGS Approved Signatory

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

Page 1 of 4

Scan to see the report



XMF24-0000801-04

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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.
Xiamen Branch Testing Technical Services Co., Ltd. Food Laboratory

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)

Test Report

XMF24-0000801-04

Date: 2024-04-17

Sample Description:

Sample No.	SGS Sample ID	Description
1	XMF24-0000801-0001	Reverse Osmosis Water Filtration System

Test requested:

Testing performed under NSF/ANSI standards 42, 58 and MOH. This system has been tested according to NSF/ANSI 42, 58 and MOH for the reduction of substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for the water leaving the filter as specified in NSF/ANSI 42, 58 and MOH.

Test method(s):

Dissociate Chlorine Residue Challenge Testing: Refer to NSF/ANSI 42-2022: Drinking Water Treatment Units, Aesthetic Effects.

Total dissolved solids (TDS), Nitrate (as N), Fluoride, Arsenic (As), Cadmium (Cd), Chromium-VI, Lead (Pb), Mercury (Hg), Copper (Cu), Barium (Ba), Selenium (Se), Perfluorooctane sulfonate (PFOS),

Perfluorooctanoic acid (PFOA) Challenge Testing: Refer to NSF/ANSI 58-2022 Reverse Osmosis Drinking Water Treatment Systems.

Total Coliforms, Chlorate 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-Reverse Osmosis Device.

Arsenic, Cadmium, Copper, Mercury, Lead, Barium, Selenium: EPA Method 200.8: Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma-Mass Spectrometry.

Chlorate: GB/T 5750.10-2023 Standard examination methods for drinking water-Disinfection by-products parameters.

Free Chlorine: GB/T 5750.11-2023 Standard examination methods for drinking water – Disinfectants parameters.

Total Coliforms: GB/T 5750.12-2023 Standard examination methods for drinking water–Microbiological parameters.

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

Chromium (hexavalent): GB/T 5750.6-2023 Standard examination methods for drinking water-Part 6: Metal and metalloid indices.

Nitrate (as N), Fluoride: GB/T 5750.5-2023 Standard examination methods for drinking water – Nonmetal parameters.

Perfluorooctane sulfonate (PFOS), Perfluorooctanoic acid (PFOA): 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 strain(s):

Escherichia Coli ATCC 8739

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

Page 2 of 4



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.
Xiamen Branch Testing, Inspection and Food Laboratory

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)

Test Report

XMF24-0000801-04

Date: 2024-04-17

Test Result(s):

NSF/ANSI Standard 42 - Aesthetic Effects						
NO	Test item(s)	Unit(s)	Test Result(s)		*Removal Rate	**Requirement
			Influent spiked water	Effluent filtrated water		Refer to NSF/ANSI 42
1	Free Chlorine	mg/L	2.00	<0.02	>99.0%	≥50.00%
NSF/ANSI Standard 58 - Health Effects Testing						
NO	Test item(s)	Unit(s)	Test Result(s)		*Removal Rate	**Requirement
			Influent spiked water	Effluent filtrated water		Refer to NSF/ANSI 58
2	Turbidity	NTU	50.0	<0.5	>99.0%	≥95.45%
3	Total dissolved solids	mg/L	726	13	98.2%	≥75.00%
4	Fluoride	mg/L	10.06	<0.01	>99.9%	≥81.25%
5	Nitrate (as N)	mg/L	28.10	0.44	98.4%	≥62.96%
6	Arsenic	mg/L	0.308	<0.001	>99.6%	≥96.66%
7	Cadmium	mg/L	0.0369	<0.0001	>99.7%	≥83.33%
8	Chromium (hexavalent)	mg/L	0.503	<0.004	>99.2%	≥66.66%
9	Lead	mg/L	0.156	<0.001	>99.3%	≥96.66%
10	Mercury	mg/L	0.0074	<0.0001	>98.6%	≥66.66%
11	Copper	mg/L	2.980	<0.001	>99.9%	≥56.66%
12	Barium	mg/L	9.835	<0.001	>99.9%	≥80.00%
13	Selenium	mg/L	0.105	<0.001	>99.0%	≥50.00%
14	Perfluorooctane sulfonate (PFOS)	mg/L	0.00193	<0.00001	>99.4%	≥95.33%
15	Perfluorooctanoic acid (PFOA)	mg/L	0.00128	<0.00001	>99.2%	
Refer to MOH-Reverse Osmosis Device						
NO	Test item(s)	Unit(s)	Test Result(s)		*Removal Rate	**Requirement
			Influent spiked water	Effluent filtrated water		/
16	Chlorate	mg/L	8.75	<0.05	>99.4%	/
17	Total Coliforms	CFU/100 mL	7.7x10 ⁶	<1	>99.9999%	/

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

Page 3 of 4



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.
Xiamen Branch Testing, Inspection and Food Laboratory

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)

Test Report

XMF24-0000801-04

Date: 2024-04-17

Remark:

1.*Removal Rate (%) = (The test result of Influent spiked water - The test result of Effluent filtrated water) / The test result of Influent spiked water x100%

2.**Evaluation criteria are converted according to the fomula provided by the client.

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. XMF24-0000801-02 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. The test report shall only be used for scientific research, technology research and development, teaching, internal quality control in the People's Republic of China.

*** End***

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

Page 4 of 4



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 <https://www.sgs.com/en/Terms-and-Conditions>. 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.
Xiamen Branch Testing & Technical Services Co., Ltd. Food Laboratory.

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.sgs.com.cn
t 400 - 691 - 0488 sgs.china@sgs.com

Member of the SGS Group (SGS SA)

