



Test Report

XMF23-014024-04

Date: 16 Apr 2024

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: Stokk T1 Water Filtration System
Manufacturer: JIN FANG TECHNOLOGY (HONG KONG) LIMITED
Sample Batch No.: /
Production Date: /
Sample Other Information: T1, Virgo, Gala

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: 27 Dec 2023
Testing Period: 27 Dec 2023- 12 Apr 2024
Test Requested: Selected test(s) as requested by client.
Test Method: Please refer to next page(s).
Test Result(s): Please refer to next page(s).



SGS Authorized Signature

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Verification:
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**Test Report****XMF23-014024-04****Date: 16 Apr 2024**Sample Description:**Specimen No.****SGS Sample ID****Description**

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XMF23-014024.001

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

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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	2.06	<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	11.00	<0.50	>95.4%	≥95.4%
3	Total dissolved solids	mg/L	751	<10	>98.6%	≥75.00%
4	Nitrate (as N)	mg/L	34.200	<0.010	>99.9%	≥62.96%
5	Fluoride	mg/L	8.700	<0.005	>99.9%	≥81.25%
6	Arsenic	mg/L	0.365	<0.010	>97.2%	≥96.66%
7	Cadmium	mg/L	0.318	<0.010	>96.8%	≥83.33%
8	Chromium (hexavalent)	mg/L	0.280	0.007	97.5%	≥66.66%
9	Lead	mg/L	0.149	<0.001	>99.3%	≥96.66%
10	Mercury	mg/L	0.012	<0.001	>91.6%	≥66.66%
11	Copper	mg/L	3.076	<0.001	>99.9%	≥56.66%
12	Barium	mg/L	9.903	<0.005	>99.9%	≥80.00%
13	Selenium	mg/L	0.104	<0.005	>95.2%	≥50.00%
14	Perfluorooctane sulfonate (PFOS)	mg/L	0.00153	<0.00001	>99.3%	≥95.33%
15	Perfluorooctanoic acid (PFOA)	mg/L	0.00081	<0.00001	>98.7%	
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	110.18	<0.02	>99.9%	/
17	Total Coliforms	CFU/100 mL	5.9x10 ⁶	320	99.9946%	/

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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:



XMF23-014024.001

SGS authenticate the photo on original report only

Attention:

Chinese shall prevail in this report.

This Test Report supersedes the Test Report No. XMF23-014024-02 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 ***

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