



OFFICIAL LISTING

NSF International Certifies that the products appearing on this Listing conform to the requirements of
NSF/ANSI Standard 58 - Reverse Osmosis Drinking Water Treatment Systems

This is the Official Listing recorded on December 5, 2017.

FilmTec Corporation
5400 Dewey Hill Road
Edina, MN 55439
952-897-4269

Facility: # 1 USA

COMPONENTS: Flat Sheet Membranes [1]

| | |
|-------------------------------|-------------------------|
| BW30 (168881) | BW30 (366479) |
| BW30 (99024964) | BW30LE (168882) |
| BW30LE (366481) | BW30LE (99025012) |
| MEMBRANE TW60 35.0 (99052932) | MEMBRANE XLP (11098098) |
| MEMBRANE XLP (99025011) | TW60 35 ^[4] |
| XLE (216818) | XLE (365877) |
| XLE (99025014) | |

COMPONENTS: Membrane Elements [2]

7269388 - REV C (GMID 259470) [Pb]
AquaLast 1812 (99021845) [Pb]
BW30-1812-75 (GMID 358934) [Pb]
BW30-2012-30 (241555) [3] [Pb]
TW30-1810-50 (152949) [3]
TW30-1810-50 (373950) [3] [Pb]
TW30-1811-36 (80709) [3] [Pb]
TW30-1811-75 (189343) [3] [Pb]
TW30-1812-24 (89297) [3] [Pb]
TW30-1812-24 (93430) [3] [Pb]
TW30-1812-36 (153730) [3] [Pb]
TW30-1812-36 (80719) [3] [Pb]
TW30-1812-36 (80720) [3] [Pb]
TW30-1812-36 PF 04844 (127990) [3] [Pb]
TW30-1812-50 (80721) [3]
TW30-1812-50 (80722)
TW30-1812-50 NARISIA NSS (204770) [3]
TW30-1812-50 PF 05099 (99755) [3]
TW30-1812-75 (114731) [3] [Pb]
TW30-1812-75 (97113) [3]
TW30-2012-50 (241676) [3] [Pb]
TW30-2012-UNPLUGGED EV311815 (269723) [3] [Pb]

Note: Additions shall not be made to this document without prior evaluation and acceptance by NSF International.



- [1] Conforms to material requirements only.
- [2] Conforms to material requirements only. Membrane requires a 24 hour flushing and conditioning procedure.
- [3] These elements have been tested for the reduction of Arsenic, Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Turbidity, Fluoride, Lead, Radium 226/228, Selenium, TDS. The test data results may be transferred to other manufacturer's systems, if the systems meet the requirements contained on the document entitled, "Data Transfer Procedure for Devices using Filmtec Reverse Osmosis", dated 12/19/2011. This document is available from FilmTec.
- [4] Certified for a maximum surface area to volume ratio of 3.15 sq. ft./L.
- [Pb] Product also evaluated and determined to possess weighted average lead content of $\leq 0.25\%$ and complies with lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.

NOTE: These components do not bear the NSF Mark. Evidence of Certification will appear on the manufacturer's literature and packaging.

Facility: # 2 USA

COMPONENTS: Membrane Elements [1]

BW60-1812-75 (11018585) [2]
BW60-1812-75 (GMID 99017671) [2] [Pb]
BW60-1812-75(99017840) [2]
TW30-1812-100HR (GMID 11013537) [2]
TW30-1812-50 (11036746) [2]
TW30-1812-50 (99017819) [2]
TW30-1812-75 (11018584) (W)

- [1] Conforms to material requirements only. Membrane requires a 24 hour flushing and conditioning procedure.
- [2] These elements have been tested for the reduction of Arsenic, Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Fluoride, Lead, Radium 226/228, Selenium, Turbidity, and TDS. The test data results may be transferred to other manufacturer's systems, if the systems meet the requirements contained on the document entitled, "Data Transfer Procedure for Devices using Filmtec Reverse Osmosis", dated 12/19/2011. This document is available from FilmTec.
- [Pb] Product also evaluated and determined to possess weighted average lead content of $\leq 0.25\%$ and complies with lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.

Facility: # 3 USA

COMPONENTS: Membrane Elements [1] [Pb]

| | |
|--------------------------|--------------------------|
| AquaLast 1812 (99021845) | TW30 1812 50 (287156) |
| TW30 1812 50 (287157) | TW30 1812 75 (287158) |
| TW30-1709 (11013838) | TW30-3012-500 (11102789) |
| TW30-3812-800 (99068403) | |

- [1] Conforms to material requirements only.
- [Pb] Product also evaluated and determined to possess weighted average lead content of $\leq 0.25\%$ and complies with lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.

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Facility: # 4 USA

COMPONENTS: Membrane Elements [1] [Pb]

TW30-1810-50 (373950)

TW30-1812-36 (153730)

TW30-1812-36 (80719)

TW30-1812-36 (80720)

[1] Associated with a data transfer protocol. See manufacturer for more information.

[Pb] Product also evaluated and determined to possess weighted average lead content of $\leq 0.25\%$ and complies with lead content requirements for "lead free" plumbing as defined by California, Vermont, Maryland, and Louisiana state laws and the U.S. Safe Drinking Water Act.

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3 of 3

Test Report

XMF24-0009999-01

Date: 2024-11-15

Client Name: Xiamen City Liye Technology Co.,Ltd.

Client Address: Unit 410, No. 167, Tapu East Road, Siming District, Xiamen city, Fujian Province

Sample Name: Purifighter Multifunctional RO Water Filtration System

Sample Batch No.: /

Production Date: /

Manufacturer: /

Sample other information: Model: YHR2301A, YHR2301A2

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: 2024-10-11

Testing Period: 2024-10-11 ~ 2024-10-31

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

罗丽珍

SGS Approved Signatory

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Page 1 of 4

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XMF24-0009999-01

Verification:
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Xiamen Branch (Inspection & Testing Services) Food Laboratory

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Test Report

XMF24-0009999-01

Date: 2024-11-15

Sample Description:

| Sample No. | SGS Sample ID | Description |
|------------|--------------------|--|
| 1 | XMF24-0009999-0001 | Purifighter Multifunctional RO Water Filtration System |

Test requested:

Selected test(s) as requested by applicant: Test the Removal rate of Free Chlorine, Turbidity, Total dissolved solids, Nitrate (as N), Fluoride, Pentavalent Arsenic, Cadmium, Chromium (hexavalent), Lead, Mercury, Copper, Barium, Selenium, Perfluorooctane sulfonate (PFOS), Perfluorooctanoic acid (PFOA), Perchlorate, Total Coliforms at the start-up of the service life.

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, Perchlorate, 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 Challenge Testing: 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.

Pentavalent 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.

Free Chlorine: GB/T 5750.11-2023 Standard examination methods for drinking water – Part 11: Disinfectants parameters.

Total Coliform: GB/T 5750.12-2023 Standard examination methods for drinking water–Part 12: 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, Perchlorate: GB/T 5750.5-2023 Standard examination methods for drinking water – Part 5: 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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Page 2 of 4



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Xiamen Branch Inspection & Testing Services

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Test Report

XMF24-0009999-01

Date: 2024-11-15

Test Result(s):

Table 1

| Testing Point | Test item(s) | Unit(s) | Influent Challenge Concentration | Product Water Concentration | *Reduction | Reduction Requirement (NSF/ANSI 42) |
|---------------|---------------|---------|----------------------------------|-----------------------------|------------|-------------------------------------|
| Start-up | Free Chlorine | mg/L | 2.07 | <0.01 | >99.51% | ≥50% |

Table 2

| Testing Point | Test item(s) | Unit(s) | Influent Challenge Concentration | Product Water Concentration | *Reduction | Requirement |
|---------------|----------------------------------|---------|----------------------------------|-----------------------------|------------|--|
| | | | | | | Maximum Product Water Concentration (NSF 58) |
| Start-up | Turbidity | NTU | 11 | <0.5 | >95.45% | 0.5 |
| Start-up | Total dissolved solids | mg/L | 761 | 25 | 96.71% | 187 (Minimum Percentage reduction requirement ≥75.00%) |
| Start-up | Nitrate (as N) | mg/L | 27.50 | 4.08 | 85.16% | 10 |
| Start-up | Fluoride | mg/L | 8.22 | 0.11 | 98.66% | 1.5 |
| Start-up | Pentavalent Arsenic | mg/L | 0.277 | <0.005 | >98.19% | 0.010 |
| Start-up | Cadmium | mg/L | 0.296 | 0.0001 | 99.97% | 0.005 |
| Start-up | Chromium (hexavalent) | mg/L | 0.297 | <0.004 | >98.65% | 0.1 |
| Start-up | Lead | mg/L | 0.138 | <0.001 | >99.27% | 0.005 |
| Start-up | Mercury | mg/L | 0.007 | <0.0001 | >98.57% | 0.002 |
| Start-up | Copper | mg/L | 2.789 | 0.002 | 99.93% | 1.3 |
| Start-up | Barium | mg/L | 9.654 | 0.185 | 98.08% | 2.0 |
| Start-up | Selenium | mg/L | 0.094 | <0.005 | >94.68% | 0.05 |
| Start-up | Perfluorooctane sulfonate (PFOS) | mg/L | 0.00034 | <0.00001 | >97.05% | 0.00002 |
| Start-up | Perfluorooctanoic acid (PFOA) | mg/L | 0.00109 | <0.00001 | >99.08% | |
| Start-up | #Perchlorate | mg/L | 0.122 | <0.002 | >98.36% | 0.006 |

Table 3

| Testing Point | Test item(s) | Unit(s) | Influent Challenge Concentration | Product Water Concentration | *Reduction |
|---------------|-----------------|------------|----------------------------------|-----------------------------|------------|
| Start-up | Total Coliforms | CFU/100 mL | 8.8×10 ⁶ | <1 | >99.9999% |

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Page 3 of 4



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Test Report

XMF24-0009999-01

Date: 2024-11-15

Remark:

1. *Reduction (%) = (The test result of Influent Challenge Concentration - The test result of Product Water Concentration) / The test result of Influent Challenge Concentration × 100%
2. #Test items are carried out by SGS-CSTC Standards Technical Services Co., Ltd. Guangzhou Branch laboratory.

Sample Photo:



SGS authenticate the photo on original report only

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*** End***

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Page 4 of 4



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