



Test Report

NBF22-010777-02

Date: 09 Sep 2022

Client Name: Membrane Solutions (Nan Tong) Co., Ltd.
Client Address: No.3,Hongxing East Road ,NETDA Nantong City,Jiangsu,P.R.China

Sample Name: SimPure Y7 (Y7P) Water Filtration System
Manufacturer: Membrane Solutions Crop.
Sample Batch No.: /
Production Date: /
Sample Other information: Random sampling in production

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: 09 Aug 2022
Testing Period: 09 Aug 2022 - 09 Sep 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)

This Test Report supersedes the Test Report No.NBF22-010777-01 issued by SGS-CSTC Standards Technical Services Co., Ltd. Ningbo Branch. Original test report will be invalid from today.

Unless otherwise stated the results shown in this test report refer only to the items tested, and for clients internal use only, not to the society has the proof function. This document cannot be used for improper publicity, without prior written approval of the SGS.

SGS Authorized Signature

scan to see the report



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Ningbo Branch Agricultural and Food Laboratory

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Test Report

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Date: 09 Sep 2022

Sample Description:

Specimen No.	SGS Sample ID	Description
1	NBF22-010777.001	White desktop portable water purifier Y7, Quantity: one

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-VI, Dissociate chlorine residue, Fluoride, Nitrate (as N), Chlorate (ClO₃⁻), Perfluorooctane Sulfonate, perfluorooctanoic acid, Escherichia coli at the start point of operating life.

Test Strain(s):

Escherichia coli CICC 10389

Test Method:

Hygienic Function Testing, Challenge Testing: Refer to NSF/ANSI 58 Reverse Osmosis Drinking Water Treatment Systems & 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
Turbidity, Total dissolved solids (TDS): GB/T 5750.4-2006 Standard examination methods for drinking water – Organoleptic and physical parameters
Arsenic (As), Mercury (Hg), Cadmium (Cd), Lead (Pb), Copper (Cu), Barium(Ba), Selenium(Se): 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
Dissociate chlorine residue, Chlorate (ClO₃⁻): GB/T 5750.11-2006 Standard examination methods for drinking water — Disinfectants parameters
Fluoride, Nitrate (as N): GB/T 5750.6-2006 Standard examination methods for drinking water – Nonmetal Parameters
Perfluorooctane Sulfonate(PFOS), perfluorooctanoic acid(PFOA): Refer to US EPA 537 Determination of ed perfluorinated alkyl acids in drinking water by solid phase extraction and liquid chromatography/tandem mass spectrometry (LC/MS/MS)
Escherichia coli: GB/T 5750.12-2006 Standard examination methods for drinking water- Microbiological parameters



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Test Result(s):

NO	Test item(s)	Unit(s)	Test method(s)	Test result(s)		*Removal rate(s)%	Requirement(s)
				Influent spiked water	Effluent filtrated water		NSF/ANSI 58 Reverse Osmosis Drinking Water Treatment Systems
1	Turbidity	NTU	GB/T 5750.4-2006	13.2	0.07	99.47	/
2	Total dissolved solids (TDS)	mg/L	GB/T 5750.4-2006	955	13	98.64	/
3	Fluoride	mg/L	GB/T 5750.5-2006	10.312	0.281	97.28	≥81.25
4	Nitrate (as N)	mg/L	GB/T 5750.5-2006	32.454	1.213	96.26	/
5	Dissociate chlorine residue	mg/L	GB/T 5750.11-2006	1.85	<0.01	>99.45	/
6	Arsenic (As)	mg/L	GB/T 5750.6-2006	0.3462	0.0012	99.65	≥96.66
7	Cadmium (Cd)	mg/L	GB/T 5750.6-2006	0.0277	<0.0002	>99.27	≥83.33
8	Chromium-VI	mg/L	GB/T 5750.6-2006	0.560	<0.004	>99.28	≥66.66
9	Lead (Pb)	mg/L	GB/T 5750.6-2006	0.0325	<0.0005	>98.46	≥96.66
10	Mercury (Hg)	mg/L	GB/T 5750.6-2006	0.0121	<0.0002	>98.34	≥66.66
11	Copper (Cu)	mg/L	GB/T 5750.6-2006	3.833	0.019	99.50	≥56.66
12	Barium (Ba)	mg/L	GB/T 5750.6-2006	11.694	<0.005	>99.95	/
13	Selenium(Se)	mg/L	GB/T 5750.6-2006	0.103	<0.005	>95.14	≥50.00
14	Chlorate (ClO ₃ ⁻)	mg/L	GB/T 5750.11-2006	0.128	<0.005	>96.09	≥94.00
15	Total coliforms	CFU/100mL	GB/T 5750.12-2006	1.2×10 ⁶	38	99.99	/



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				Influent spiked water	Effluent filtrated water		
16	#Perfluorooctane Sulfonate(PFOS)	ug/L	US EPA 537	0.59	<0.01	>98.30	≥95.33
17	#perfluorooctanoic acid(PFOA)	ug/L	US EPA 537	0.80	<0.01	>98.75	≥95.33

Remark:

- *Removal rate (%) = (test result of Influent spiked water - test result of Effluent filtrated water)/ test result of Influent spiked water ×100%
- The flow rate is 0.37 L/min
- # Test items were carried out by SGS-CSTC Standards Technical Services(Shanghai) Co.,Ltd.

Sample photo:



SGS authenticate the photo on original report only

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