

Test Report

NBF25-0022081-01

Date: 2025-11-14

Client Name: DREO PTE. LTD.

Client Address: 112 ROBINSON ROAD, #03-01, ROBINSON 112, SINGAPORE 068902

Sample Name: Countertop Water Filter

Sample Batch No.: /

Production Date: /

Manufacturer: /

Sample other information: Other models: DR-KWF002, DWWF02, DR-KWF003, DWWF03, DR-KWF004, DWWF04, DR-KWF005, DWWF05

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: 2025-10-10

Testing Period: 2025-10-10 ~ 2025-11-14

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

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Test Report

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Date: 2025-11-14

Sample Description:

Sample No.	SGS Sample ID	Description
1	NBF25-0022081-0001	Countertop Water Filter, Quantity: 1 set

Test Requested:

Selected test(s) as requested by applicant:

Test the Removal rate of Turbidity, Total dissolved solids (TDS), Pentavalent arsenic, Mercury (Hg), Lead pH 6.5, Copper (Cu), Barium (Ba), Selenium (Se), Cadmium (Cd), Chromium(hexavalent), Nitrate (as N), Fluoride, Perchlorate, Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic acid (PFOA), Total coliforms, Chlorine at the start-up of the service life.

Test Strain(s):

Escherichia coli ATCC 25922

Test Method:

Turbidity, Total dissolved solids (TDS), Pentavalent arsenic, Mercury (Hg), Lead pH 6.5, Copper (Cu), Barium (Ba), Selenium (Se), Cadmium (Cd), Chromium (hexavalent), Nitrate (as N), Fluoride, Perchlorate, Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic acid (PFOA) Challenge Testing: Refer to NSF/ANSI 58-2023 Reverse Osmosis Drinking Water Treatment Systems
Chlorine Challenge Testing : Refer to NSF/ANSI 42-2023: Drinking Water Treatment Units - Aesthetic Effects
Total coliforms 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
Turbidity, Total dissolved solids (TDS): GB/T 5750.4-2023 Standard examination methods for drinking water – Part 4: Organoleptic and physical indices
Total coliforms: GB/T 5750.12-2023 Standard examination methods for drinking water – Part 12: Microbiological indices
Pentavalent arsenic, Mercury (Hg), Lead pH 6.5, Cadmium (Cd), Copper (Cu), Barium (Ba), Selenium (Se), Chromium (hexavalent): USEPA 200.8 Determination of Trace Elements in Waters and Wastes by Inductively Coupled Plasma- Mass Spectrometry
Nitrate (as N), Fluoride: USEPA 300.0 Determination of Inorganic Anions by Ion Chromatography
Perchlorate: GB/T 5750.5-2023 Standard examination methods for drinking water – Part 5: Inorganic nonmetallic indices
Chlorine: USEPA 330.5 Total Residual Chlorine by Spectrophotometer
Perfluorooctane Sulfonate (PFOS), Perfluorooctanoic acid (PFOA): Refer to USEPA 537.1-2020 Determination of Selected Per-and Polyfluorinated Alkyl Substances in Drinking Water by Solid Phase Extraction and Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS). Version 2.0. United States Environmental Protection Agency

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Page 2 of 5



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Test Result(s):

Table 1.

Testing Point	Test item(s)	Unit(s)	Test result(s)		*Reduction (%)	Reduction Requirement (NSF/ANSI 42)
			Influent Challenge Concentration	Product Water Concentration		
Start-up	Chlorine	mg/L	2.02	<0.01	>99.50	≥50%

Table 2.

Testing Point	Test item(s)	Unit(s)	Test result(s)		*Reduction (%)	Requirement
			Influent Challenge Concentration	Product Water Concentration		Maximum Product Water Concentration (NSF/ANSI 58)
Start-up	Turbidity	NTU	11.5	0.21	98.17	0.5
Start-up	Nitrate (as N)	mg/L	26.598	0.674	97.47	10
Start-up	Fluoride	mg/L	8.509	0.225	97.36	1.0
Start-up	Pentavalent arsenic	mg/L	0.3227	0.0007	99.78	0.010
Start-up	Cadmium (Cd)	mg/L	0.0370	<0.0002	>99.45	0.005
Start-up	Chromium (hexavalent)	mg/L	0.512	<0.001	>99.80	0.05
Start-up	Lead pH 6.5	mg/L	0.1448	<0.0002	>99.86	0.005
Start-up	Mercury (Hg)	mg/L	0.0067	<0.0002	>97.01	0.002
Start-up	Copper (Cu)	mg/L	2.877	<0.005	>99.82	1.3
Start-up	Barium (Ba)	mg/L	11.511	0.017	99.85	2.0
Start-up	Selenium (Se)	mg/L	0.101	<0.001	>99.00	0.05
Start-up	Perfluorooctane Sulfonate (PFOS)	mg/L	0.000934	<0.000004	>99.57	0.00002
Start-up	Perfluorooctanoic acid (PFOA)	mg/L	0.000509	<0.000004	>99.21	
Start-up	Total dissolved solids(TDS)	mg/L	790	21	97.34	187 (Minimum Percentage reduction requirement≥75.0 0%)
Start-up	#Perchlorate	mg/L	0.113	<0.002	>98.23	0.006

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Page 3 of 5



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Table 3.

Testing Point	Test item(s)	Unit(s)	Test result(s)		*Reduction (%)
			Influent Challenge Concentration	Product Water Concentration	
Start-up	Total coliforms	CFU/100mL	7.2×10^5	<1	>99.99

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 (Shanghai) Co., Ltd.

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Page 4 of 5



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Sample photo:



NBF25-0022081-0001

SGS authenticate the photo on original report only

Attention:

Unless otherwise stated the results shown in this report refer only to the items tested.

*** End***

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Page 5 of 5



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