

QFT LABORATORY, LLC. Test Report

1041 Glassboro Road Suite D-1, Williamstown NJ 08094
PHONE 954-303-1819 www.enviroteklab.com
IAPMO ID# 000102

Send To:

Joy Delaney

Staffordshire, UK

Result: Passed

Date: 08/09/2022

Customer Name: Doulton Water Filters

Tested To: Standard PFAS Reduction PT 200%

Trade Designation/Model Number: Ultra Sterasyl

Test Type: Qualification

Project Manager: Jaime Young

Thank you for having your product tested by QFT Laboratory, LLC.

Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization


Jaime A. Young
Lab Director

Date: 08/09/2022

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Standard 53 PFAS Reduction PT 200%: Passed

Manufacturer's Name: Doulton Water Filters

Sample Type: Qualification

Product: Plumbed in

Flow Rate: 0.3 lpm

Filter Capacity: 3000 liters

Cycle: as per manufacture's pattern

Conditioning Procedure: Follow manufacturer instructions

Physical Description of Sample: Gravity Candles fitted into SS Gravity Housing

Performance Indicator Device: No, Test to 3000 liters

Test Description: NSF 53 PFAS Reduction Testing

Trade Designation/Model Number: Ultra Sterasyl

Unit Volume: 1 L

Performance Standard: NSF 53 – 2021

Pass/Fail Criteria (PFOA+PFOS Combined Maximum Product Water Concentration): 0.07 µg/L

Water Characteristics

Sample Point	pH (7.5±0.5)	Temperature (20±2.5°C)	Turbidity (<1 NTU)	TDS (200-500) mg/L	TOC (1.0-2.0) mg/L
Start	7.55	20.5	0.45	310	1.3
150	7.51	20.3	0.42	312	1.3
300	7.53	20.5	0.45	309	1.3
450	7.52	20.5	0.44	310	1.4
600	7.49	20.4	0.41	315	1.4
750	7.43	20.5	0.45	317	1.3
900	7.51	20.3	0.42	315	1.3
1050	7.52	20.2	0.41	317	1.3
1200	7.53	20.1	0.42	316	1.3
1350	7.51	20.2	0.41	315	1.3
1500	7.52	20.1	0.42	317	1.4
1650	7.53	20.3	0.41	316	1.3
1800	7.51	20.2	0.41	317	1.3
1950	7.52	20.3	0.43	315	1.3
2100	7.53	20.1	0.44	316	1.3
2250	7.52	20.2	0.45	314	1.3
2400	7.51	20.3	0.42	312	1.3
2550	7.53	20.2	0.46	310	1.3
2700	7.51	20.4	0.43	312	1.3
2850	7.52	20.2	0.42	314	1.3
3000	7.53	20.1	0.41	312	1.3
Average	7.52	20.3	0.43	314	1.3

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PFOA Filter #1 Data Summary Table

Accumulated	Challenge	Filter 1
Volume (Liters)	PFOA	PFOA
Start	0.50	0.01
150	0.57	0.01
300	0.52	0.01
450	0.51	0.01
600	0.50	0.02
750	0.46	0.03
900	0.48	0.01
1050	0.43	0.03
1200	0.55	0.03
1350	0.45	0.03
1500	0.54	0.02
1650	0.46	0.02
1800	0.51	0.03
1950	0.45	0.03
2100	0.52	0.03
2250	0.49	0.03
2400	0.44	0.01
2550	0.53	0.03
2700	0.50	0.03
2850	0.50	0.04
3000	0.49	0.05

PFOA Reporting Limit: 0.01 µg/L

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PFOS Filter #1 Data Summary Table

Accumulated	Challenge	Filter 1
Volume (Liters)	PFOS	PFOS
Start	1.12	<0.01
150	0.98	<0.01
300	0.96	<0.01
450	0.95	<0.01
600	0.95	<0.01
750	0.99	<0.01
900	1.11	<0.01
1050	0.99	0.01
1200	0.98	0.01
1350	0.99	0.02
1500	0.98	0.01
1650	1.02	0.01
1800	0.92	0.01
1950	0.96	0.01
2100	1.11	0.01
2250	0.96	0.01
2400	0.90	0.01
2550	1.01	0.02
2700	1.06	0.02
2850	0.92	0.02
3000	1.00	0.02

PFOS Reporting Limit: 0.01 µg/L

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PFOA Filter #2 Data Summary Table

Accumulated	Challenge	Filter 2
Volume (Liters)	PFOA	PFOA
Start	0.50	0.01
150	0.57	0.01
300	0.52	0.01
450	0.51	0.01
600	0.50	0.01
750	0.46	0.02
900	0.48	0.01
1050	0.43	0.02
1200	0.55	0.03
1350	0.45	0.02
1500	0.54	0.03
1650	0.46	0.03
1800	0.51	0.03
1950	0.45	0.03
2100	0.52	0.04
2250	0.49	0.04
2400	0.44	0.03
2550	0.53	0.03
2700	0.50	0.03
2850	0.50	0.04
3000	0.49	0.05

PFOA Reporting Limit: 0.01 µg/L

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PFOS Filter #2 Data Summary Table

Accumulated	Challenge	Filter 2
Volume (Liters)	PFOS	PFOS
Start	1.12	<0.01
150	0.98	<0.01
300	0.96	<0.01
450	0.95	<0.01
600	0.95	<0.01
750	0.99	<0.01
900	1.11	<0.01
1050	0.99	0.01
1200	0.98	0.01
1350	0.99	0.03
1500	0.98	0.01
1650	1.02	0.01
1800	0.92	0.01
1950	0.96	0.01
2100	1.11	0.01
2250	0.96	0.01
2400	0.90	0.02
2550	1.01	0.01
2700	1.06	0.02
2850	0.92	0.02
3000	1.00	0.02

PFOS Reporting Limit: 0.01 µg/L

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PFOA & PFOS Data Summary Filter 1

Accumulated	Challenge	Filter 1	Passing
Volume (Liters)	PFOA+PFOS	PFOA+PFOS	Criteria
Start	1.62	0.01	Passed
150	1.55	0.01	Passed
300	1.48	0.01	Passed
450	1.46	0.01	Passed
600	1.45	0.02	Passed
750	1.45	0.03	Passed
900	1.59	0.01	Passed
1050	1.42	0.04	Passed
1200	1.53	0.04	Passed
1350	1.44	0.05	Passed
1500	1.52	0.03	Passed
1650	1.48	0.03	Passed
1800	1.43	0.04	Passed
1950	1.51	0.04	Passed
2100	1.63	0.04	Passed
2250	1.45	0.04	Passed
2400	1.34	0.02	Passed
2550	1.54	0.05	Passed
2700	1.56	0.05	Passed
2850	1.42	0.06	Passed
3000	1.49	0.07	Passed

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PFOA & PFOS Data Summary Filter 2

Accumulated	Challenge	Filter 2	Passing
Volume (Liters)	PFOA+PFOS	PFOA+PFOS	Criteria
Start	1.62	0.01	Passed
150	1.55	0.01	Passed
300	1.48	0.01	Passed
450	1.46	0.01	Passed
600	1.45	0.01	Passed
750	1.45	0.02	Passed
900	1.59	0.01	Passed
1050	1.42	0.03	Passed
1200	1.53	0.04	Passed
1350	1.44	0.05	Passed
1500	1.52	0.04	Passed
1650	1.48	0.04	Passed
1800	1.43	0.04	Passed
1950	1.51	0.04	Passed
2100	1.63	0.05	Passed
2250	1.45	0.05	Passed
2400	1.34	0.05	Passed
2550	1.54	0.04	Passed
2700	1.56	0.05	Passed
2850	1.42	0.06	Passed
3000	1.49	0.07	Passed

Disclaimer: The test results are only related to the filter cartridges tested, in the condition received at the laboratory.

Jaime A. Young

Jaime A. Young
Lab Director