

# QFT LABORATORY, LLC. Test Report

---

1041 Glassboro Road Suite D-1, Williamstown NJ 08094  
PHONE 954-303-1819 [www.enviroteklab.com](http://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

# QFT LABORATORY, LLC.

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

## 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
<b>Average</b>	<b>7.52</b>	<b>20.3</b>	<b>0.43</b>	<b>314</b>	<b>1.3</b>

# QFT LABORATORY, LLC.

1041 Glassboro Road Suite D-1, Williamstown NJ 08094

PHONE 954-303-1819 www.enviroteklab.com

IAPMO ID# 000102

**PFOA Filter #1 Data Summary Table**

<b>Accumulated</b>	<b>Challenge</b>	<b>Filter 1</b>
<b>Volume (Liters)</b>	<b>PFOA</b>	<b>PFOA</b>
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

# QFT LABORATORY, LLC.

1041 Glassboro Road Suite D-1, Williamstown NJ 08094

PHONE 954-303-1819 www.enviroteklab.com

IAPMO ID# 000102

**PFOS Filter #1 Data Summary Table**

<b>Accumulated</b>	<b>Challenge</b>	<b>Filter 1</b>
<b>Volume (Liters)</b>	<b>PFOS</b>	<b>PFOS</b>
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

# QFT LABORATORY, LLC.

1041 Glassboro Road Suite D-1, Williamstown NJ 08094

PHONE 954-303-1819 www.enviroteklab.com

IAPMO ID# 000102

**PFOA Filter #2 Data Summary Table**

<b>Accumulated</b>	<b>Challenge</b>	<b>Filter 2</b>
<b>Volume (Liters)</b>	<b>PFOA</b>	<b>PFOA</b>
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

# QFT LABORATORY, LLC.

1041 Glassboro Road Suite D-1, Williamstown NJ 08094

PHONE 954-303-1819 www.enviroteklab.com

IAPMO ID# 000102

## 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

# QFT LABORATORY, LLC.

1041 Glassboro Road Suite D-1, Williamstown NJ 08094

PHONE 954-303-1819 www.enviroteklab.com

IAPMO ID# 000102

## 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

# QFT LABORATORY, LLC.

1041 Glassboro Road Suite D-1, Williamstown NJ 08094

PHONE 954-303-1819 www.enviroteklab.com

IAPMO ID# 000102

## 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