



## QFT LABORATORY, LLC.

1041 Glassboro Road Suite E-4, Williamstown NJ 08094

PHONE 856-533-0445 [www.enviroteklab.com](http://www.enviroteklab.com)

EPA ID # NJ01298 IAPMO ID# 000102 NJDEP ID # 08021 ANAB Cert ID AT-2866



Send To:

Project Manager

KLT Filtration

Stuary Road, Kings Lynn

Norfolk, GB 43235

44 (0) 1553-622007

---

Customer Name: KLT Filtration

Tested To: NSF/ANSI Standard 53 Glyphosate Reduction PT 100%

Description: Inline Filter #CF521W

Test Type: Research and Development

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*  
Jaime A. Young  
Lab Director

Date: 09/22/2020



## QFT LABORATORY, LLC.

1041 Glassboro Road Suite E-4, Williamstown NJ 08094

PHONE 856-533-0445 [www.enviroteklab.com](http://www.enviroteklab.com)

EPA ID # NJ01298 IAPMO ID# 000102 NJDEP ID # 08021 ANAB Cert ID AT-2866



### NSF/ANSI Standard 53 Glyphosate Reduction PT 100%: Passed

**Manufacturer's Name:** KLT Filtration

**Sample Type:** Research and Development

**Product:** Plumbed in without reservoir

**Flow Rate:** 2.5 Liters/min

**Filter Capacity:** 10,000 Liters

**Conditioning Procedure:** Flush for 5 minutes

**Cycle:** 50/50

**Performance Indicator Device:** No, test to 100% Capacity

**Test Description:** NSF/ANSI Std. 53 – Herbicide Reduction Testing

**Trade Designation/Model Number:** Red Filter #CF521W

**Unit Volume:** 0.8 L

**Performance Standard:** NSF/ANSI Std 53 – 2019

**Pass/Fail Criteria** (Glyphosate Maximum Product Water Concentration): 70 µg/L

**Decision Rule:** Simple Acceptance based on the NSF/ANSI standard limit



## QFT LABORATORY, LLC.

1041 Glassboro Road Suite E-4, Williamstown NJ 08094

PHONE 856-533-0445 [www.enviroteklab.com](http://www.enviroteklab.com)

EPA ID # NJ01298 IAPMO ID# 000102 NJDEP ID # 08021 ANAB Cert ID AT-2866



**Filter #CF521W Data Summary Table**

| Sample Point | Accumulated Volume Effluent 1 | Influent 1 (2400 to 2600 µg/L) | Effluent 1 Concentration (µg/L) | % Reduction |
|--------------|-------------------------------|--------------------------------|---------------------------------|-------------|
| 10 UV        | 10 UV                         | 2478                           | 0.1                             | >99.99%     |
| 5%           | 500 Liters                    | 2478                           | 2.8                             | 99.89%      |
| 10%          | 1000 Liters                   | 2478                           | 3.3                             | 99.87%      |
| 15%          | 1500 Liters                   | 2478                           | 2.1                             | 99.92%      |
| 20%          | 2000 Liters                   | 2478                           | 0.7                             | 99.97%      |
| 25%          | 2500 Liters                   | 2478                           | <0.1                            | >99.99%     |
| 30%          | 3000 Liters                   | 2478                           | 25.7                            | 98.96%      |
| 35%          | 3500 Liters                   | 2478                           | 35.0                            | 98.59%      |
| 40%          | 4000 Liters                   | 2478                           | 6.3                             | 99.75%      |
| 45%          | 4500 Liters                   | 2478                           | 17.9                            | 99.28%      |
| 50%          | 5000 Liters                   | 2478                           | 3.1                             | 99.87%      |
| 55%          | 5500 Liters                   | 2478                           | 3.2                             | 99.87%      |
| 60%          | 6000 Liters                   | 2478                           | 11.9                            | 99.52%      |
| 65 %         | 6500 Liters                   | 2478                           | 6.9                             | 99.72%      |
| 70 %         | 7000 Liters                   | 2478                           | 15.0                            | 99.39%      |
| 75 %         | 7500 Liters                   | 2478                           | 4.6                             | 99.81%      |
| 80 %         | 8000 Liters                   | 2478                           | 3.3                             | 99.87%      |
| 85 %         | 8500 Liters                   | 2478                           | 0.2                             | 99.99%      |
| 90 %         | 9000 Liters                   | 2478                           | 8.2                             | 99.67%      |
| 95 %         | 9500 Liters                   | 2478                           | 11.5                            | 99.54%      |
| 100 %        | 10,000 Liters                 | 2478                           | <0.1                            | >99.99%     |

Reporting Limit: 0.1 µg/L

### Water Characteristics

| Sample Point | pH (7.0 to 8.0) | Temperature (17 to 23°C) | Alkalinity (190 to 210 mg/L) | Chloride (80-120 mg/L) | Sulfate (190-210) | Turbidity (<1 NTU) |
|--------------|-----------------|--------------------------|------------------------------|------------------------|-------------------|--------------------|
| 10 UV        | 7.2             | 18                       | 202                          | 82                     | 170               | 0.4                |
| 5%           | 7.3             | 18                       | 216                          | 82                     | 170               | 0.4                |
| 10%          | 7.2             | 19                       | 218                          | 86                     | 171               | 0.5                |
| 15%          | 7.3             | 19                       | 206                          | 86                     | 171               | 0.4                |
| 20%          | 7.2             | 20                       | 205                          | 83                     | 174               | 0.4                |
| 25%          | 7.1             | 20                       | 211                          | 83                     | 174               | 0.3                |
| 30%          | 7.2             | 18                       | 204                          | 89                     | 162               | 0.4                |
| 35%          | 7.1             | 18                       | 209                          | 89                     | 162               | 0.3                |
| 40%          | 7.1             | 19                       | 211                          | 84                     | 168               | 0.3                |
| 45%          | 7.2             | 18                       | 208                          | 84                     | 168               | 0.4                |
| 50%          | 7.1             | 20                       | 197                          | 88                     | 169               | 0.5                |
| 55%          | 7.2             | 21                       | 199                          | 88                     | 171               | 0.4                |
| 60%          | 7.2             | 21                       | 198                          | 85                     | 171               | 0.4                |
| 65 %         | 7.1             | 21                       | 199                          | 85                     | 166               | 0.5                |
| 70 %         | 7.2             | 18                       | 206                          | 87                     | 184               | 0.4                |
| 75 %         | 7.2             | 18                       | 195                          | 87                     | 186               | 0.5                |
| 80 %         | 7.1             | 19                       | 203                          | 86                     | 188               | 0.5                |
| 85 %         | 7.2             | 18                       | 191                          | 86                     | 181               | 0.5                |
| 90 %         | 7.2             | 19                       | 209                          | 84                     | 185               | 0.5                |
| 95 %         | 7.2             | 19                       | 211                          | 84                     | 192               | 0.4                |
| 100 %        | 7.1             | 19                       | 214                          | 81                     | 197               | 0.5                |
| Average      | 7.2             | 19                       | 205                          | 85                     | 175               | 0.4                |



## QFT LABORATORY, LLC.

1041 Glassboro Road Suite E-4, Williamstown NJ 08094

PHONE 856-533-0445 [www.enviroteklab.com](http://www.enviroteklab.com)

EPA ID # NJ01298 IAPMO ID# 000102 NJDEP ID # 08021 ANAB Cert ID AT-2866



### Filter System Tested



**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