



ENVIROTEK LABORATORY, LLC.

Test Report

1041 Glassboro Road Suite D-1, Williamstown NJ 08094
PHONE 856-533-0445 www.enviroteklab.com
EPA ID # NJ01298 IAPMO ID# 000102 ANAB Cert ID AT-2866

Send To:

Sean Ellis

KLT Filtration Ltd.

Stuary Road, Kings Lynn

Norfolk, BG 43235

44(0) 1553-622007

Result: Passed

Date: 07/22/2021

Tested To: NSF/ANSI Std. 53 – Haloacetic Acids Reduction Testing

Description: CF163W

Test Type: Qualification

Project Manager: Jaime Young

Thank you for having your product tested by Envirotek 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: 07/22/2021



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NSF/ANSI Std. 53 – Haloacetic Acids Reduction Testing: Passed

Company's Name: KLT Filtration Ltd.

Product: Inline Filter

Flow Rate: 40 LPD

Filter Capacity: 3,000 Liters

Conditioning Procedure: Flush for 5 minutes

Cycle: Continuous

Performance Indicator Device: No, test to 100% Capacity

Test Description: NSF/ANSI Std. 53 – Haloacetic Acids Reduction Testing

Trade Designation/Model Number: CF163W

Unit Volume: 0.1 L

Performance Standard: NSF/ANSI Std 600 – 2019

Pass/Fail Criteria (Maximum Product Water Concentration):

Monochloroacetic acid: 6 µg/L *Monobromoacetic acid:* 6 µg/L

Dichloroacetic acid: 0.7 µg/L *Bromochloroacetic acid:* 6 µg/L

Trichloroacetic acid: 6 µg/L

As per NSF/ANSI Std 600/EPA primary drinking water standard

Decision Rule: Simple Acceptance based on the NSF/ANSI/EPA drinking water limits

Water Characteristics Filter 1

Sample Point	pH (7.5±0.5)	Temperature (20±3°C)	TDS (200 to 500 mg/L)	TOC (≥1.0 mg/L)	Turbidity (<1 NTU)
10 UV	7.2	17.8	251	1.1	0.41
16%	7.3	18.1	253	1.1	0.42
33%	7.3	18.2	254	1.1	0.41
50%	7.3	18.3	255	1.1	0.41
66%	7.2	22.1	251	1.3	0.42
83%	7.2	20.8	249	1.3	0.41
100%	7.1	22.1	241	1.4	0.43
Average	7.2	19.63	251	1.2	0.42

Filter Data Summary Tables

Monochloroacetic Acid			
Accumulated Volume(L)	Influent Concentration µg/L	Effluent Concentration µg/L	Pass/Failed
10 UV	36.4	<0.1	Pass
500	94.7	0.3	Pass
1000	103.9	0.2	Pass
1500	48.1	0.8	Pass
2000	41.0	1.6	Pass
2500	44.3	1.7	Pass
3000	51.4	1.1	Pass

Bromochloroacetic Acid			
Accumulated Volume(L)	Influent Concentration µg/L	Effluent Concentration µg/L	Pass/Failed
10 UV	21.4	<0.1	Pass
500	10.9	<0.1	Pass
1000	101.6	<0.1	Pass
1500	50.1	0.2	Pass
2000	48.2	<0.1	Pass
2500	50.7	0.6	Pass
3000	51.1	0.3	Pass

Monobromoacetic Acid			
Accumulated Volume(L)	Influent Concentration µg/L	Effluent Concentration µg/L	Pass/Failed
10 UV	37.3	<0.1	Pass
500	23.7	<0.1	Pass
1000	55.6	<0.1	Pass
1500	52.9	0.2	Pass
2000	49.4	<0.1	Pass
2500	49.9	1.6	Pass
3000	50.5	<0.1	Pass

Trichloroacetic Acid			
Accumulated Volume(L)	Influent Concentration µg/L	Effluent Concentration µg/L	Pass/Failed
10 UV	18.5	<0.1	Pass
500	21.9	<0.1	Pass
1000	46.3	<0.1	Pass
1500	50.0	<0.1	Pass
2000	48.8	0.6	Pass
2500	50.5	0.4	Pass
3000	50.0	<0.1	Pass

Dichloroacetic Acid			
Accumulated Volume(L)	Influent Concentration µg/L	Effluent Concentration µg/L	Pass/Failed
10 UV	28.2	<0.1	Pass
500	30.7	<0.1	Pass
1000	55.6	<0.1	Pass
1500	50.7	<0.1	Pass
2000	47.2	<0.1	Pass
2500	46.6	0.2	Pass
3000	54.2	<0.1	Pass

Haloacetic acids minimum reporting limit 0.1 µg/L

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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