

Seychelle[®]

EVIDENCE DOSSIER
VOC Reduction Testing



QFT LABORATORY, LLC.



1041 Glassboro Road Suite E-4, Williamstown NJ 08094

PHONE 856-533-0445 www.enviroteklab.com

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

Send To:

Carl Palmer

Seychelle Water Filtration Products

California

949-217-0775

Result: Passed

Date: 05/13/2020

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

Date: 05/13/2020

Jaime A. Young
Lab Director



QFT LABORATORY, LLC.



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NSF/ANSI Standard 53 VOC Reduction PT 200%: Passed

Sample Type: Research and Development

Product: Batch Filter

Flow Rate: 25 GPD

Filter Capacity: 125 gallons

Conditioning Procedures: Flush 1 gallon

Physical Description of Sample: Gravity Filter

Performance Indicator Device: No, test to 200% capacity

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

Trade Designation/Model Number: Alkaline Filter

Unit Volume: 0.1 L

Performance Standard: NSF/ANSI Std 53 – 2019

Pass/Fail Criteria (CHCl₃ Maximum Product Water Concentration): 15 µg/L

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



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Filter #1 Data Summary Table (in µg/L)

Contaminant	Influent	Start	25 gallons	50 gallons	75 gallons	100 gallons	125 gallons	150 gallons	175 gallons	200 gallons	225 gallons	250 gallons	% Reduction
Vinylchloride	46.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.78%
Chloroethane	45.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.78%
Fluorotrichloromethane	44	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.77%
1,1-Dichloroethene	41.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.76%
Methylene Chloride	40.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.75%
trans-1,2-Dichloroethene	53.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.81%
MTBE	55.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.82%
1,1-Dichloroethane	52.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.81%
cis-1,2-Dichloroethane	54.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.82%
2,2-Dichloropropane	52.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.81%
Bromochloromethane	55	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.82%
Chloroform	53.4	<0.1	<0.1	<0.1	<0.1	<0.1	1	<0.1	<0.1	1.4	1.2	2.3	95.69%
Carbon Tetrachloride	52.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.81%
1,1,1-Trichloroethane	53.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.81%
1,1-Dichloropropane	51.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Benzene	51.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
1,2-Dichloroethane	50.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Trichloroethene	47.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,2-Dichloropropane	47.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
Bromodichloromethane	49	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
cis-1,3-Dichloropropene	49.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Toluene	46.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
trans-1,3-chloropropene	49.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Tetrachloroethene	48.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,1,2-Trichloroethane	49.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Chlorodibromomethane	49.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
1,3-Dichloropropane	49	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Chlorobenzene	49	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Ethylbenzene	49.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
m and p- Xylene	48.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
o-Xylene	49.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Styrene	50.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Bromoform	48.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
Isopropylbenzene	47.3	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
Bromobenzene	49.2	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
n-Propylbenzene	48.7	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,1,2,2-Tetrachloroethane	49.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
2-Chlorotoluene	48	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,3,5-Trimethylbenzene	48.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
4-Chlorotonluene	47.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
Tert-Butylbenzene	47.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,2,4-Trimethylbenzene	48.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
sec-Butylbenzene	47.5	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,3-Dichlorobenzene	48.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
1,4-Dichlorobenzene	48.6	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
n-Butylbenzene	49	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
1,2-Dichlorobenzene	49.4	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Hexachlorobutadiene	47.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.79%
1,2,4-Trichlorobenzene	50.9	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
Naphthalene	48.8	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.80%
1,2,3-Trichlorobenzene	46.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	<0.1	99.78%

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

ACCREDITATIONS

Water Quality Association
International Headquarters and Laboratory
4151 Naperville Road Lisle, IL 60532



Quality Filter Testing, LLC
41D Germay Drive, Wilmington, DE 19804

Is recognized by the Water Quality Association Laboratory as an approved Testing Laboratory. WQA agrees to accept the results prepared by the Laboratory in accordance with the policies and procedures agreed to by the laboratory in the Technical Service Provider Application and Agreement Evaluation. The Laboratory has satisfactorily demonstrated its compliance to ISO/IEC 17025, and has been verified as capable of performing the following tests:

NSF/ANSI 42

Drinking Water Treatment Units – Aesthetic Effects

Chlorine Reduction – Section 7.3

NSF/ANSI 53

Drinking Water Treatment Units – Health Effects

VOC Reduction – Section 7.2.5

Metals Reduction Testing – Section 7.4



The Water Quality Association will only accept results of testing conducted under the direct control and supervision of employees of the Laboratory. This Laboratory Listing is valid beginning **March 9, 2018** and expires **December 31, 2020**. This recognition is subject to the conditions set forth by the Water Quality Association and is not to be construed as approval, recommendation, or endorsement or guarantee by the Water Quality Association of the qualifications or services offered by the Laboratory. Any alteration or falsification of this certificate may constitute grounds for delisting of the Laboratory. Reproduction of this certificate, in whole or in part, for advertising purposes without the written permission of Water Quality Association is strictly prohibited.

Tambra Thomas
Tambra Thomas, MWS
Quality Manager

New Jersey Department of Environment Protection
Environmental Laboratory Certification Program



Annual Certified Parameter List and Current Status

Effective as of 11/15/2019 until 6/30/2020

Laboratory Name: QUALITY FILTER TESTING LABORATORY, LLC Laboratory Number: 08021 Activity ID: NLC 190001
900 TWELVE OAKS DR
WILLIAMSTOWN NJ 08094

Category: DW01 --Microbiology

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Applied	No	DW01.00190	Total coliform / E. coli	Colitag (P-A)	Other Colitag	NJ

Category: DW04 --Analyze-Immed. and Continuous Monitoring

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Applied	No	DW04.00140	pH	Electrometric	EPA 150.1	NJ

Category: DW07 --Metals - ICP, ICP/MS and DCP

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Applied	No	DW07.00070	Arsenic	ICP/MS	EPA 200.8	NJ
Applied	No	DW07.00380	Lead	ICP/MS	EPA 200.8	NJ
Applied	No	DW07.00460	Manganese	ICP/MS	EPA 200.8	NJ
Applied	No	DW07.00740	Uranium	ICP/MS	EPA 200.8	NJ

Category: DW12 --Drinking Water Sample Collection

Status	Eligible to Report NJ Data	Code	Parameter	Technique	Approved Methods	Primary State
Applied	No	DW12.00001	PWTA Sampling Parameters	All Categories Sample Handling Procedures	Other N.J.A.C. 7:18-6 & 9	NJ


Michele M. Potter, Manager



IAPMO RESEARCH AND TESTING, INC.

A non-profit corporation

5001 East Philadelphia Street, Ontario, California 91761-2816

909.472.4100 | 909.472.4250

This is to certify that

Quality Filter Testing Laboratory LLC (Lab #0000102)

1041 SUITE E-4, GLASSBORO ROAD
WILLIAMSTOWN, NJ 08094

is recognized by IAPMO Research and Testing, Inc. as an independent Testing Laboratory. IAPMO Research and Testing, Inc. agrees to accept reports prepared by the Laboratory in accordance with the policies and procedures agreed to by the laboratory in the Laboratory Recognition Agreement. The Laboratory has satisfactorily demonstrated its compliance to ISO/IEC 17025:2005 as referenced in clause 6.2 of ISO/IEC 17065:2012, and has been verified as capable of performing tests in the following categories:

Water Filters/ Conditioners

IAPMO Research and Testing, Inc. will accept from the Laboratory only reports of testing conducted under the direct control and supervision of employees of the Laboratory.

This Laboratory Listing is valid beginning **10/31/2019** and expires after **10/31/2020**. This listing is subject to the conditions set forth by IAPMO Research and Testing, Inc. Any alteration or falsification of this certification may constitute grounds for delisting of the Laboratory. Reproduction of this certification, in whole or in part, for advertising purposes without the expressed written permission of IAPMO Research and Testing, Inc. is strictly prohibited.


Russ Chaney
Chief Executive Officer




Jin Luo
Executive Vice President of
Laboratory Recognition



IAPMO RESEARCH AND TESTING, INC.

Laboratory Listing

APPENDIX "A"

Quality Filter Testing Laboratory LLC (Lab #0000102)

1041 SUITE E-4, GLASSBORO ROAD
WILLIAMSTOWN, NJ 08094

Valid Beginning: 10/31/2019

Void After: 10/31/2020

Certificate Appendix Page # 1

WATER FILTERS/CONDITIONERS:

NSF/ANSI 42 (Section 6, 7.3), NSF/ANSI 53 (Sections 6, 7.2, 7.3, 7.4), NSF/ANSI 58
(Sections 6.4.1, 6.9, 7.1, 7.2, 7.3.2.3, 7.3.2.4), NSF/ANSI 401 (Section 6), NSF/ANSI P473
(Section 6)



CERTIFICATE OF ACCREDITATION

The ANSI National Accreditation Board

Hereby attests that

**Quality Filter Testing Laboratory, LLC
1041 Glassboro Road, Unit E-4
Williamstown, NJ 08094**

Fulfills the requirements of

ISO/IEC 17025:2017

In the field of

TESTING

This certificate is valid only when accompanied by a current scope of accreditation document.
The current scope of accreditation can be verified at www.anab.org.

A handwritten signature in black ink, appearing to read 'R. Douglas Leonard Jr.', is positioned above a horizontal line.

R. Douglas Leonard Jr., VP, PILR SBU

Expiry Date: 07 April 2022

Certificate Number: AT-2866



This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory
quality management system (refer to joint ISO-ILAC-IAF Communiqué dated April 2017).

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

Quality Filter Testing Laboratory, LLC

1041 Glassboro Road, Unit E-4

Williamstown, NJ 08094

Jaime A. Young

856-583-0445

TESTING

Valid to: **April 7, 2022**

Certificate Number: **AT-2866**

Chemical

Specific Tests and/or Properties Measured	Specification, Standard, Method, or Test Technique	Items, Materials or Product Tested	Key Equipment or Technology
Metals (As)	NSF/ANSI Std 53	Filters	ICP/MS - EPA 200.8
Metals (Cd)	NSF/ANSI Std 53	Filters	ICP/MS - EPA 200.8
Metals (Cu)	NSF/ANSI Std 53	Filters	ICP/MS - EPA 200.8
Metals (Cr)	NSF/ANSI Std 53	Filters	ICP/MS - EPA 200.8
Metals (Hg)	NSF/ANSI Std 53	Filters	ICP/MS - EPA 200.8
Metals (Pb)	NSF/ANSI Std 53	Filters	ICP/MS - EPA 200.8
Metals (Se)	NSF/ANSI Std 53	Filters	ICP/MS - EPA 200.8
Metals (Fe)	NSF/ANSI Std 42	Filters	ICP/MS - EPA 200.8
Metals (Mn)	NSF/ANSI Std 42	Filters	ICP/MS - EPA 200.8
Metals (Zn)	NSF/ANSI Std 42	Filters	ICP/MS - EPA 200.8
VOC (Chloroform)	NSF/ANSI Std 53	Filters	GC/MS – EPA 524.2
pH	NSF/ANSI Stds 53 and 42	Water	EPA 150.1
TDS by Conductivity	NSF/ANSI Stds 53 and 42	Water	SM 2510B
Turbidity	NSF/ANSI Stds 53 and 42	Water	SM 2130B

Note:

1. This scope is formatted as part of a single document including Certificate of Accreditation No. AT-2866.



R. Douglas Leonard Jr., VP, PILR SBU

