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:

Vandit Shah

IAPMO

Hickory Creek Drive Suite 220

Mokena, IL 60448

708-995-3006

Result: Passed Date: 09/04/2020

Customer Name: Quest Technologies Inc dba Crystal Quest Water Filters

Tested To: NSF/ANSI 177 Standard Chlorine Reduction PT 100%

Description: Shower Head Filter#CQE-RC-04045

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 Date: 09/04/2020

Jaime A. Young
Lab Director

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NSF/ANSI Standard 177 Chlorine Reduction PT 100%: Passed

Manufacturer's Name: Quest Technologies Inc dba Crystal Quest Water Filters

Sample Type: Qualification

Product: Plumbed in without reservoir

Flow Rate: 1.5 gpm

Filter Capacity: 500 gallons

Cycle: 50/50

Conditioning Procedure: Activate Filter by turning full hot water on for 5 minutes

Physical Description of Sample: Shower Head Filter

Performance Indicator Device: No, test to 100% Capacity

Trade Designation/Model Number: CQE-RC-04045

Unit Volume: 0.3 L

Test Description: NSF/ANSI 177 Standard -Chlorine Reduction Testing

Performance Standard: NSF/ANSI 177 – 2019

Pass/Fail Criteria (Chlorine Minimum % Reduction)**:** 50%

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

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Filter #1 Data Summary Table

Sample Point	Accumulated Volume	Influent Concentration in mg/L	Effluent Concentration in mg/L	Chlorine % Reduction
10 UV	10 UV	1.8	0.3	83.33%
10%	50 gallons	1.8	0.2	88.89%
20%	100 gallons	1.8	0.3	83.33%
30%	150 gallons	1.9	0.2	89.47%
40%	200 gallons	1.8	0.2	88.89%
50%	250 gallons	1.8	0.3	83.33%
60%	300 gallons	1.8	0.4	77.78%
70%	350 gallons	1.9	0.2	89.47%
80%	400 gallons	1.8	0.3	83.33%
90%	450 gallons	1.8	0.3	83.33%
100%	500 gallons	1.9	0.3	84.21%

Chlorine Reporting Limit: 0.1 mg/L

Filter #2 Data Summary Table

Sample Point	Accumulated Volume	Influent Concentration in mg/L	Effluent Concentration in mg/L	Chlorine % Reduction
10 UV	10 UV	1.8	0.2	88.89%
10%	50 gallons	1.8	0.3	83.33%
20%	100 gallons	1.8	0.4	77.78%
30%	150 gallons	1.9	0.3	84.21%
40%	200 gallons	1.8	0.2	88.89%
50%	250 gallons	1.8	0.5	72.22%
60%	300 gallons	1.8	0.5	72.22%
70%	350 gallons	1.9	0.2	89.47%
80%	400 gallons	1.8	0.3	83.33%
90%	450 gallons	1.8	0.5	72.22%
100%	500 gallons	1.9	0.3	84.21%

Chlorine Reporting Limit: 0.1 mg/L

Water Characteristics Filter 1 and 2

Accumulated Volume	pH (7.0-8.0)	Temperature (17-23)	Turbidity <1	TDS (200-500)	TOC >1
10 UV	7.1	39.1	0.4	209	1.5
10%	7.2	41.2	0.3	211	1.4
20%	7.1	41.0	0.4	215	1.4
30%	7.2	41.6	0.4	217	1.5
40%	7.2	41.8	0.5	209	1.4
50%	7.1	41.3	0.4	207	1.4
60%	7.1	38.9	0.4	211	1.5
70%	7.2	38.7	0.4	209	1.5
80%	7.1	39.2	0.5	210	1.4
90%	7.2	38.1	0.5	209	1.5
100%	7.2	38.7	0.5	209	1.5
Average	**7.2**	**40.0**	**0.4**	**211**	**1.5**

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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