



## 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

Send To:

Mitchell Phan

Bella Vie Water, LLC

23251 Vista Grande Drive Unit A

Laguna Hills, CA 92653

949-278-4056

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Result: Failed

Date: 01/10/2020

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Customer Name: Bella Vie Water

Tested To: World Health Organization Microbiological Organisms Reduction

Description: Gravity Filter #EWPHAI AF

Test Type: Research and Development

Project Manager: Jaime Young

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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: 01/10/2020

Jaime A. Young  
Lab Director



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### World Health Organization Microbiological Organisms Reduction

**Manufacturer's Name:** Bella Vie Water

**Sample Type:** Research and Development

**Flow Rate:** 12 gpd

**Capacity:** 200 gallons

**Conditioning Procedure:** N/A

**Cycle:** N/A

**Physical Description of Sample:** Batch Filter

**Performance Indicator Device:** N/A

**Test Description:** World Health Organization Microbiological Organisms Reduction

**Trade Designation/Model Number:**

**Unit Volume:** 0.1 L

**Performance Standard:** WHO International Scheme to Evaluate Household Water Treatment Technologies

**Pass/Fail Criteria:** Highly protective(>99.99%), protective or limited protection (>99%)



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**Filter #1 E. Coli Summary Table**

Sample Point	Influent 1 CFU/100 mL	Effluent 1 CFU/100 mL	% Reduction
10 UV	370,000	7	100.00%
80 gallons	370,000	21	99.99%
160 gallons	480,000	934	99.81%
240 gallons	560,000	148	99.97%
320 gallons	640,000	32,220	94.97%
400 gallons	660,000	51,840	92.15%

**Filter #2 E. Coli Summary Table**

Sample Point	Influent 2 CFU/100 mL	Effluent 2 CFU/100 mL	% Reduction
10 UV	370,000	185	99.95%
80 gallons	370,000	77	99.98%
160 gallons	480,000	599	99.88%
240 gallons	560,000	450	99.92%
320 gallons	640,000	1,690	99.74%
400 gallons	660,000	12,240	98.15%

**Filter #1 MS2 Virus Summary Table**

Sample Point	Influent 1 PFU/L	Effluent 1 PFU/0L	% Reduction
10 UV	110,000,000	ND	100.00%
80 gallons	120,000,000	3100000	74.17%
160 gallons	120,000,000	5800000	51.67%
240 gallons	120,000,000	7300000	39.17%
320 gallons	120,000,000	6400000	46.67%
400 gallons	120,000,000	Saturated	-

**Filter #2 MS2 Virus Summary Table**

Sample Point	Influent 2 PFU/L	Effluent 2 PFU/L	% Reduction
10 UV	110,000,000	ND	100.00%
80 gallons	120,000,000	800000	93.33%
160 gallons	120,000,000	3400000	71.67%
240 gallons	120,000,000	4200000	65.00%
320 gallons	120,000,000	2800000	76.67%
400 gallons	120,000,000	Saturated	-

**General Test Water Characteristics Filter 1 and 2.**

Sample Point % Flow Reduction	pH (7.5±0.5)	Temperature (20±3°C)	TDS (200 to 500 mg/L)	Turbidity (<1 NTU)
10 UV	7.1	22	200	0.2
80 gallons	7.2	22	248	0.3
160 gallons	7.1	20	329	0.5
240 gallons	7.3	19	398	0.8
320 gallons	7.3	19	442	0.9
400 gallons	7.7	20	488	0.9



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### Filter System Tested





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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*  
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Lab Director