



# Test Report

## IAPMO R&T LAB (NJ)

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1041 Glassboro Road Suite D-1, Williamstown NJ 08094  
IAPMO ID# 000102 ANAB Cert # AT 3220

Send To:

James Enterprise Inc  
1981 Aspen Circle  
Pueblo, CA 81006

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Result: Passed at 6000 gallons

Date: 04/29/2024

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Customer Name: James Enterprise Inc

Tested To: NSF/ANSI Standard 42 Chloramine Reduction test to 100%

Trade Designation/Model Number: BOROUX Foundation

Test Type: R & D

Project Manager: Corey Elise Young

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Thank you for having your product tested by IAPMO R&T Lab, NJ.  
Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization

*Corey Elise Young*  
Corey Elise Young  
QC Manager

Date: 04/29/2024



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### NSF/ANSI Standard 42 Chloramine Reduction 100%

**Manufacturer's Name:** James Enterprise Inc

**Sample Type:** R & D

**Product:** Plumbed in without reservoir

**Flow Rate:** 10 gph

**Filter Capacity:** 3000 gallons

**Cycle:** 50/50

**Conditioning Procedure:** Discard first load

**Physical Description of Sample:** Inline filter

**Performance Indicator Device:** N/A, test up to 100%

**Test Description:** NSF/ANSI Std. 42 – Chloramine Reduction Testing

**Trade Designation/Model Number:** BOROUX Foundation

**Unit Volume:** 100 mL

**Performance Standard:** NSF/ANSI 42 – 2022

**Pass/Fail Criteria (Chloramine):**  $\geq 80\%$

### Water Characteristics Filters 1 & 2

Sample Point	pH (8.75-9.25)	Temp (20 ± 3 °C)	TDS (200- 500 mg/L)	Hardness (<170 ppm)	Turbidity (<1 NTU)	TOC (1.0-2.0 ppm)	Organic Nitrogen (<0.2)
10 UV	8.75	17.9	224	111	0.42	1.3	<0.2
17%	8.79	18.3	227	113	0.44	1.3	<0.2
33%	8.81	18.1	229	111	0.43	1.2	<0.2
50%	8.83	18.3	225	115	0.42	1.4	<0.2
67%	8.81	17.9	227	111	0.42	1.3	<0.2
83%	8.90	18.6	231	112	0.41	1.2	<0.2
100%	8.88	18.4	227	114	0.41	1.3	<0.2
117%	8.79	18.3	224	111	0.43	1.2	<0.2
133%	8.81	18.5	220	113	0.41	1.3	<0.2
150%	8.86	18.6	217	115	0.4	1.4	<0.2
167%	8.87	18.5	223	114	0.41	1.3	<0.2
183%	8.92	18.6	221	111	0.40	1.5	<0.2
200%	8.88	18.5	225	112	0.41	1.6	<0.2
<b>Average</b>	<b>8.84</b>	<b>18.3</b>	<b>225</b>	<b>113</b>	<b>0.42</b>	<b>1.30</b>	<b>&lt;0.2</b>

**\*Note: Not Included in the ANAB ISO 17025 Scope of Certification.**



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### Flow Rate and Pressure F1 & F2

Sample Point	*Flow Rate (gpm)	*Pressure (psi)
10 UV	0.17	3
17%	0.17	3
33%	0.17	3
50%	0.17	3
67%	0.17	3
83%	0.17	3
100%	0.17	3
117%	0.17	3
133%	0.17	3
150%	0.17	3
167%	0.17	3
183%	0.17	3
200%	0.17	3
<b>Average</b>	0.17	3

**\*Note: Not Included in the ANAB ISO 17025 Scope of Certification.**

### Filter Table

Sample Point	Accumulated Volume	Influent Chloramine Concentration (mg/L)	Effluent Chloramine (mg/L)	% Reduction	Passed/Failed
10 UV	10 UV	3.10	<0.01	99.68%	Passed
17%	500 gallons	2.78	<0.01	99.64%	Passed
33%	1000 gallons	2.83	<0.01	99.65%	Passed
50%	1500 gallons	2.79	<0.01	99.64%	Passed
67%	2000 gallons	2.71	<0.01	99.63%	Passed
83%	2500 gallons	2.80	0.06	97.86%	Passed
100%	3000 gallons	2.77	0.07	97.47%	Passed
117%	3500 gallons	2.87	0.17	94.08%	Passed
133%	4000 gallons	2.73	0.07	97.44%	Passed
150%	4500 gallons	2.75	0.13	95.27%	Passed
167%	5000 gallons	2.73	0.10	96.34%	Passed
183%	5500 gallons	2.73	0.09	96.70%	Passed
200%	6000 gallons	2.72	0.09	96.69%	Passed

Chloramine Reporting Limit: 0.01 mg/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.

*Corey Elise Young*  
Corey Elise Young  
QC Manager