



Test Report

IAPMO R&T LAB (NJ)



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, CO 81006

Result: Passed at 6000 gallons

Date: 01/25/2024

Customer Name: James Enterprise Inc

Tested To: NSF/ANSI 42 Standard Modified Chlorine Reduction

Trade Designation/Model Number: BOROUX Foundation

Test Type: R & D

Project Manager: Corey Elise Young

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

Date: 01/25/2024



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NSF/ANSI Standard Modified 42 Chlorine Reduction: Passed at 6000 gallons.

Manufacturer's Name: James Enterprise Inc

Sample Type: R & D

Product: Gravity Filter

Flow Rate 5 gph

Filter Capacity: 6000 gallons

Cycle: 50/50

Conditioning Procedure: Run 2 gallons before testing.

Physical Description of Sample: Gravity filter

Trade Designation/Model Number: BOROUX Foundation

Test Description: NSF/ANSI Modified 42 Standard -Chlorine Reduction Testing

Performance Standard: NSF/ANSI 42 – 2022

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

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

Water Characteristics

Accumulated Volume	Temp. (17-23 C)	pH (7.00 to 8.00)	TDS (200-500)	Turbidity <1 NTU	TOC (1.0-2.0 ppm)	Flow Rate (gpm)
10 UV	20.8	7.45	255	0.45	1.2	0.08
500 gallons	20.0	7.40	254	0.44	1.2	0.08
1000 gallons	19.7	7.43	239	0.41	1.1	0.08
1500 gallons	20.1	7.41	227	0.45	1.1	0.08
2000 gallons	20.5	7.39	231	0.43	1.2	0.08
2500 gallons	20.7	7.41	227	0.41	1.2	0.08
3000 gallons	19.7	7.37	229	0.43	1.2	0.08
3500 Gallons	19.9	7.41	224	0.41	1.1	0.08
4000 Gallons	19.5	7.45	229	0.47	1.1	0.08
4500 Gallons	19.1	7.43	231	0.45	1.2	0.08
5000 Gallons	19.6	7.52	225	0.43	1.2	0.08
5500 Gallons	18.7	7.31	227	0.43	1.1	0.08
6000 Gallons	19.2	7.27	217	0.46	1.2	0.08



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Filter #1 Data Summary Table

Accumulated Volume	Influent Concentration in mg/L	Effluent Concentration in mg/L	Chlorine % Reduction	Pass/Fail Criteria
10 UV	1.81	0.13	92.82%	Passed
500 gallons	2.20	<0.01	99.55%	Passed
1000 gallons	2.01	0.03	98.51%	Passed
1500 gallons	1.97	0.02	98.98%	Passed
2000 gallons	2.20	0.01	99.55%	Passed
2500 gallons	1.98	0.01	99.49%	Passed
3000 gallons	2.20	0.01	99.55%	Passed
3500 Gallons	2.20	<0.01	99.55%	Passed
4000 Gallons	1.91	<0.01	99.55%	Passed
4500 Gallons	2.20	<0.01	99.55%	Passed
5000 Gallons	1.87	0.03	98.40%	Passed
5500 Gallons	1.81	0.04	97.79%	Passed
6000 Gallons	2.08	0.02	99.04%	Passed

Chlorine Reporting Limit: 0.01 mg/L.

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Filters 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