



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 150 gallons

Date: 01/29/2024

Customer Name: James Enterprise Inc

Tested To: NSF/ANSI Std 401 Section 7, Group 2

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 NJ Lab.

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: 01/29/2024



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Standard 401 Emerging Compounds Group 2 Reduction: Passed at 150 gallons.

Manufacturer's Name: James Enterprise Inc

Sample Type: Gravity Filter

Product: R & D

Flow Rate: 10 gpd

Filter Capacity: 150 Gallons

Conditioning Procedure: Discard first batch

Cycle: 15-60 min rest between loads

Physical Description of Sample: Gravity Filter

Test Description: NSF/ANSI Std 401 Section 7, Group 2– Emerging Compound Reduction Testing Group 2

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 mL

Performance Standard: NSF/ANSI Std 401 Section 7 – 2022

Pass/Fail Criteria (Emerging Compound Maximum Product Water Concentration):

TCEP passing criteria: 700 ng/L

TCPP passing criteria: 700 ng/L

Decision Rule: Pass/Fail based on simple acceptance of the analytical results above the NSF/ANSI Std limit.

Water Characteristics

Accumulated Volume Effluent	pH (7.5±0.5)	Temperature	TDS	Turbidity	TOC	Flow Rate
		(20±3°C)	(200 to 500 mg/L)	(<1 NTU)	(1-2 mg/L)	(gpd)
Start	7.49	20	260	0.4	1.2	10
25 gallons	7.43	19.9	241	0.4	1.2	10
50 gallons	7.41	20.1	250	0.3	1.2	10
75 gallons	7.45	20.0	245	0.3	1.3	10
90 gallons	7.43	20.0	243	0.3	1.2	10
100 gallons	7.49	20.1	256	0.4	1.3	10
150 gallons	7.51	19.5	243	0.3	1.3	10
200 gallons	7.48	19.4	255	0.4	1.3	10



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TCEP Data Summary Table

Accumulated Volume Effluent	Influent TCEP (ng/L)	Effluent TCEP Concentration (ng/L)	Passed/Failed
Start	5177	12	Passed
25 gallons	5271	<10	Passed
50 gallons	5226	50	Passed
75 gallons	5020	96	Passed
90 gallons	4949	161	Passed
100 gallons	5140	142	Passed
150 gallons	4670	578	Passed

TCEP Reporting Limit: 10 ng/L

TCPP Data Summary Table

Accumulated Volume Effluent	Influent TCPP (ng/L)	Effluent TCPP Concentration (ng/L)	Passed/Failed
Start	5176	63	Passed
25 gallons	5253	48	Passed
50 gallons	4910	58	Passed
75 gallons	4852	127	Passed
90 gallons	4602	178	Passed
100 gallons	5196	194	Passed
150 gallons	4410	129	Passed
200 gallons	5149	114	Passed

TCEP Reporting Limit: 10 ng/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