



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 80123

Result: Passed at 4000 gallons

Date: 11/22/2023

Customer Name: James Enterprise Inc

Tested To: NSF/ANSI Modified Standard 53 Lead Reduction pH 6.5.

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
Corey Elise Young
QC Manager

Date: 11/22/2023



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NSF/ANSI Modified Standard 53 Lead Reduction Test pH 6.5: Passed at 4000 gallons.

Manufacturer's Name: James Enterprise Inc

Sample Type: R & D

Product: Gravity Filter

Flow Rate: 5 gph

Filter Capacity: 4000 gallons

Cycle: 50/50

Conditioning Procedures: Run 2 gallons before testing.

Physical Description of Sample: Gravity Filter

Test Description: NSF/ANSI Modified Std. 53 – Lead Reduction Testing pH 6.5

Trade Designation/Model Number: BOROUX Foundation

Performance Standard: NSF/ANSI 53 – 2022

Pass/Fail Criteria (Lead): 5 µg/L

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

Water Characteristics

Sample Point	Influent pH 6.25 to 6.75	Alkalinity (10-30 mg/L)	TDS <100 mg/L)	Hardness (10-30 mg/L mg/L)	Temperature (17.5 to 22.5°C)	Turbidity <1 NTU)	Polyphosphate as P <0.5 mg/L)	Flow Rate (gpm)
10 UV	6.6	20	90	22	20.5	0.44	<0.1	0.08
500 gallons	6.65	21	90	25	20.3	0.41	<0.1	0.08
1000 gallons	6.63	21	91	26	20.2	0.43	<0.1	0.08
1500 gallons	6.71	19	93	21	20.7	0.45	<0.1	0.08
2000 gallons	6.57	21	91	19	20.3	0.49	<0.1	0.08
2500 gallons	6.69	19	97	23	20.1	0.43	<0.1	0.08
3000 gallons	6.57	21	93	20	19.9	0.45	<0.1	0.08
3500 gallons	6.32	19	92	29	19.7	0.41	<0.1	0.08
4000 gallons	6.60	20	91	23	18.0	0.43	<0.1	0.08
Average	6.60	20	92	23	19.9	0.44	<0.1	0.08

Filter Data Summary Table

Accumulated Volume Effluent	Influent Lead (135-165 µg/L)	Effluent Lead Concentration (µg/L)	% Reduction	Passing Criteria
Start	157	<1	99.36%	Passed
500 gallons	156	<1	99.36%	Passed
1000 gallons	136	<1	99.26%	Passed
1500 gallons	156	<1	99.36%	Passed
2000 gallons	160	3	98.13%	Passed
2500 gallons	149	1	99.33%	Passed
3000 gallons	134	3	97.76%	Passed
3500 gallons	132	1	99.24%	Passed
4000 gallons	140	3	97.86%	Passed

Lead Reporting Limit: 1 µg

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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