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 450 Gallons Date: 01/24/2024

Customer Name: James Enterprise Inc

Tested To: NSF/ANSI Standard 53 Lead Reduction pH 8.5

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 NJ Laboratory.
Please contact your Project Manager if you have any questions or concerns pertaining to this report.

Report Authorization Corey Elise Young Date: 01/24/2024

Corey Elise Young
QC Manager

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NSF/ANSI Standard 53 Lead Reduction Test pH 8.5: Passed at 450 Gallons

Manufacturer's Name: James Enterprise Inc

Sample Type: R & D

Product: Gravity Filter

Flow Rate: 10 gpd

Filter Capacity: 450 gallons

Conditioning Procedure: Discard first batch

Cycle: 15-60 min rest between loads

Physical Description of Sample: Gravity Filter

Test Description: NSF/ANSI Std. 53 – Lead Reduction Testing pH 8.5

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 mL

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

Accumulated Volume Effluent	pH (8.25 to 8.75)	Alkalinity (90-110 mg/L)	Hardness (90-110 mg/L)	Temperature (17.5 to 22.5 °C)	Chlorine (0.25 to 0.75 mg/L)	Flow Rate (gpd)
Start	8.68	101	103	20.1	0.60	10
100 gallons	8.46	100	97	19.7	0.49	10
200 gallons	8.50	102	104	19.8	0.51	10
300 gallons	8.52	94	99	19.7	0.46	10
360 gallons	8.55	96	98	19.5	0.43	10
400 gallons	8.51	99	94	19.6	0.41	10
450 gallons	8.49	94	93	19.5	0.40	10

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Data Summary Table

Accumulated Volume Effluent	Influent Lead (135 to 165 µg/L)	Effluent Lead Concentration (µg/L)	Influent Fine Particulate (≥20%)	Influent Total Particulate (20-40%)
Start	155	<1	42%	23%
100 gallons	155	1	64%	34%
200 gallons	148	<1	54%	25%
300 gallons	153	2	37%	23%
360 gallons	154	1	58%	29%
400 gallons	156	2	67%	34%
450 gallons	154	3	43%	27%

Lead Reporting Limit: 1 µg/L

Data Summary Table

Accumulated Volume Effluent	Influent Lead (135 to 165 µg/L)	Effluent Lead Concentration (µg/L)	Passing Criteria
Start	155	<1	Passed
100 gallons	155	1	Passed
200 gallons	148	<1	Passed
300 gallons	153	2	Passed
360 gallons	154	1	Passed
400 gallons	156	2	Passed
450 gallons	154	3	Passed

Lead Reporting Limit: 1 µg/L

Filters Tested

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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