



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 400 Gallons

Date: 01/24/2024

Customer Name: James Enterprise Inc

Tested To: NSF/ANSI Standard 53 PFAS 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
Corey Elise Young
QC Manager

Date: 01/24/2024



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NSF/ANSI Standard 53 PFAS Reduction: Passed at 400 Gallons

Manufacturer's Name: James Enterprise Inc

Sample Type: R & D

Product: Gravity Filter

Flow Rate: 10 gpd

Filter Capacity: 400 Gallons

Cycle: 15-60 min rest between loads

Conditioning Procedure: Discard first batch

Physical Description of Sample: Gravity Filter

Test Description: NSF/ANSI Std 53 PFAS Reduction Testing

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 mL

Performance Standard: NSF/ANSI Std 53 – 2022

Pass/Fail Criteria: PFOA+PFOS Combined Maximum Product Water Concentration 0.02 µg/L; PFNA 0.006 µg/L; PFHxS 0.02 µg/L; PFHpA 0.02 µg/L. Total PFAS maximum effluent concentration: 0.02 µg/L

Decision Rule: Simple Acceptance based on the NSF/ANSI Std 53.

Water Characteristics

Accumulated Volume Effluent	pH (7.5±0.5)	Temperature (20±3°C)	Turbidity (<1 NTU)	TOC (1.0-2.0 mg/L)	TDS (200-500)	Flow Rate (gpd)
10 UV	7.37	20.0	0.4	1.3	241	10
100 gallons	7.31	20.0	0.3	1.4	237	10
200 gallons	7.35	19.8	0.3	1.3	244	10
300 gallons	7.36	19.6	0.4	1.3	250	10
360 gallons	7.42	19.4	0.3	1.2	255	10
400 gallons	7.39	19.5	0.3	1.3	245	10



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PFOA Data Summary Table

Accumulated Volume Effluent	Influent PFOA (µg/L)	Effluent PFOA Concentration (µg/L)
10 UV	0.51	<0.01
100 gallons	0.52	0.01
200 gallons	0.49	<0.01
300 gallons	0.52	<0.01
360 gallons	0.50	<0.01
400 gallons	0.50	0.01

PFOS Data Summary Table

Accumulated Volume Effluent	Influent PFOS (µg/L)	Effluent PFOS Concentration (µg/L)
10 UV	0.98	<0.01
100 gallons	1.10	<0.01
200 gallons	1.00	0.01
300 gallons	1.10	0.01
360 gallons	1.10	<0.01
400 gallons	1.10	0.01

PFOA & PFOS Data Summary

Accumulated Volume Effluent	Influent Total PFOA + PFOS Concentration (µg/L)	Effluent Total PFOA + PFOS Concentration (µg/L)
10 UV	1.49	<0.01
100 gallons	1.62	0.01
200 gallons	1.49	0.01
300 gallons	1.62	0.01
360 gallons	1.60	<0.01
400 gallons	1.60	0.02

PFNA Data Summary Table

Accumulated Volume Effluent	Influent PFNA (µg/L)	Effluent PFNA Concentration (µg/L)
10 UV	0.05	<0.001
100 gallons	0.05	0.001
200 gallons	0.05	<0.001
300 gallons	0.05	<0.001
360 gallons	0.05	<0.001
400 gallons	0.05	<0.001



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PFHxS Data Summary Table

Accumulated Volume Effluent	Influent PFHxS (µg/L)	Effluent PFHxS Concentration (µg/L)
10 UV	0.31	<0.01
100 gallons	0.29	<0.01
200 gallons	0.28	<0.01
300 gallons	0.30	<0.01
360 gallons	0.31	<0.01
400 gallons	0.29	<0.01

PFHpA Data Summary Table

Accumulated Volume Effluent	Influent PFHpA (µg/L)	Effluent PFHpA Concentration (µg/L)
10 UV	0.04	<0.01
100 gallons	0.04	<0.01
200 gallons	0.04	<0.01
300 gallons	0.04	<0.01
360 gallons	0.04	<0.01
400 gallons	0.04	<0.01

PFBS Data Summary Table

Accumulated Volume Effluent	Influent PFBS (µg/L)
10 UV	0.25
100 gallons	0.27
200 gallons	0.27
300 gallons	0.28
360 gallons	0.25
400 gallons	0.28

PFDA Data Summary Table Filter 1

Accumulated Volume Effluent	Influent PFDA (µg/L)
10 UV	0.01
100 gallons	0.01
200 gallons	0.01
300 gallons	0.01
360 gallons	0.01
400 gallons	0.01



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Total PFAS Data Summary Table

Accumulated Volume Effluent	Influent PFAS (µg/L)	Effluent PFAS Concentration (µg/L)	Passing Criteria
10 UV	2.15	<0.01	Passed
100 gallons	2.28	0.011	Passed
200 gallons	2.14	0.01	Passed
300 gallons	2.30	0.01	Passed
360 gallons	2.26	<0.01	Passed
400 gallons	2.27	0.02	Passed

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