



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 200 Gallons

Date: 12/15/2023

Customer Name: James Enterprise Inc

Tested To: Standard 53 Chloroform Reduction

Trade Designation/Model Number: BOROUX Foundation

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: 12/15/2023



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NSF/ANSI Standard 53 Chloroform Reduction: Passed at 200 Gallons

Manufacturer's Name: James Enterprise Inc

Sample Type: R & D

Product Type: Gravity Filter

Flow Rate: 10 gpd

Filter Capacity: 200 Gallons

Cycle: 15-60 min rest between loads

Conditioning Procedures: Discard first batch

Physical Description of Sample: Gravity Filter

Test Description: NSF/ANSI Std. 53 – VOC Reduction Testing

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 mL

Performance Standard: NSF/ANSI Std 53 – 2022

Pass/Fail Criteria (CHCl_3 Maximum Product Water Concentration): 15 $\mu\text{g/L}$.

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

Water Characteristics

Sample Point	pH (7.0 to 8.0)	Temp (17 to 22.5°C)	TDS (200 to 500 mg/L)	TOC (≥ 1.0 mg/L)	Turbidity (< 1 NTU)	Flow Rate (gpd)
Start	7.39	20	257	1.2	0.4	10
40 gallons	7.41	19.7	240	1.2	0.3	10
80 gallons	7.45	19.6	251	1.2	0.3	10
120 gallons	7.52	19.7	246	1.3	0.4	10
160 gallons	7.50	19.8	259	1.3	0.4	10
200 gallons	7.42	19.7	255	1.2	0.3	10

Data Summary Table

Accumulated Volume Effluent	Influent CHCl_3 (270 to 330 $\mu\text{g/L}$)	Effluent CHCl_3 Concentration ($\mu\text{g/L}$)	%Reduction	Passed/Failed ≤ 15 $\mu\text{g/L}$
10 UV	298	< 0.1	99.97%	Passed
40 gallons	298	0.1	99.97%	Passed
80 gallons	305	0.6	99.80%	Passed
120 gallons	302	6.5	97.85%	Passed
160 gallons	304	6.0	98.03%	Passed
200 gallons	239	13	94.56%	Passed

CHCl_3 Reporting Limit: 0.1 $\mu\text{g/L}$



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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