



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 250 gallons

Date: 01/24/2024

Customer Name: James Enterprise Inc

Tested To: NSF/ANSI Standard 53 Chromium VI Reduction pH 6.5

Trade Designation/Model Number: BOROUX Foundation

Test Type: Qualification

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: 01/24/2024



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NSF/ANSI Standard 53 Chromium VI Reduction at pH 6.5: Passed at 250 gallons.

Manufacturer's Name: James Enterprise Inc

Sample Type: Qualification

Product: Gravity Filter

Flow Rate: 10 gpd

Filter Capacity: 250 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 – Chromium VI Reduction Testing pH 6.5

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 mL

Performance Standard: NSF/ANSI 53 – 2022

Pass/Fail Criteria (Chromium VI): 100 µg/L

Water Characteristics

Accumulated Volume	pH	Temperature (17.5-22.5 C)	Alkalinity (10-30)	Hardness (10-30)	Turbidity <1 NTU	TDS <100	Polyphosphate as P <0.5 ppm	Flow Rate (gpm)
Effluent	(6.25-6.75)							
10 UV	6.50	20.1	22	23	0.3	59	0.2	10
62.5 gallons	6.57	19.4	25	25	0.3	61	0.2	10
125 gallons	6.41	19.6	23	25	0.4	55	0.2	10
187.5 gallons	6.61	19.5	24	21	0.4	53	0.3	10
225 gallons	6.52	19.5	25	20	0.3	54	0.2	10
250 gallons	6.50	19.4	23	22	0.3	55	0.2	10

Data Analysis Table

Accumulated Volume Effluent	Influent Chromium VI (µg/L)	Effluent Chromium VI Concentration (µg/L)	% Reduction	Passed/Failed
10 UV	306	2	99.35%	Passed
62.5 gallons	294	8	97.28%	Passed
125 gallons	313	40	87.22%	Passed
187.5 gallons	310	74	76.13%	Passed
225 gallons	338	62	81.66%	Passed
250 gallons	300	63	79.00%	Passed

Chromium VI Detection Limit: 1 µg/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