



Water Quality Report

Substance Reduction Test Report

Detailed performance and contaminant reduction data for the BOROUX Foundation™ Filter

Filter Model	BOROUX Foundation Filter
Report Number	WFT-01-01
Test Type	Substance Reduction Test
Version	2.0
Report Date	October 28, 2025
Conducted For	BOROUX™, 1981 Aspen Circle, Pueblo, CO 81006
Conducted By	IAPMO R&T® Lab (NJ)

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Certifications

BOROUX is certified by the Water Quality Association to NSF/ANSI/CAN standards. Independently tested to meet NSF/ANSI/CAN standards, the highest level of trust in water filtration. Verified performance to meet strict safety and quality standards.

NSF/ANSI Standards Overview

NSF/ANSI 42: Drinking Water Treatment Units, Aesthetic Effects:

This standard establishes minimum requirements for systems designed to reduce non-health-related contaminants.

NSF/ANSI/CAN 372: Drinking Water System Components - Lead Content

This standard helps manufacturers meet the “lead free” definition established by the Safe Drinking Water Act (SDWA) and is recognized by the U.S. Environmental Protection Agency (EPA) and state regulations.

NSF/ANSI 401: Drinking Water Treatment Units - Emerging Compounds/Incidental Contaminants:

This standard addresses the ability of a water treatment device to remove up to 15 individual contaminants that have been identified in published studies as occurring in drinking water.



This system has been tested according to the NSF/ANSI 42 and 401 for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42 and 401.

	Substance	Average Influent Concentration	NSF/ANSI Specified Challenge Concentration	Average Percent Reduction	Percent Reduction Requirement
NSF/ANSI 42	Nominal Particulate Class I (Particles $\geq 0.5 \mu\text{m}$ to $\leq 1.0 \mu\text{m}$)	6,500,000 particles/mL	At least 10,000 particles/mL	98.9%	$\geq 85\%$
NSF/ANSI 401	Microplastics $\geq 0.5 \mu\text{m}$ to $\leq 1.0 \mu\text{m}$	6,500,000 particles/mL	At least 10,000 particles/mL	98.9%	$\geq 85\%$

Water Quality Association Gold Seal Certificate

James Enterprise Inc

1981 Aspen Circle
Pueblo, Colorado United States
Facility: Confidential Facility #1

Certification Date: June 02, 2025

Authorized By:



Kelli Fleischmann
Product Certification Director
Water Quality Association
2375 Cabot Drive
Lisle, IL 60532, USA



Products are evaluated according to Product Certification Scheme Type 5, as defined in ISO/IEC 17067 (current version).
This Certificate, or any part thereof, may not be used in a misleading manner and validation of its use is contingent upon the Official WQA web-listing.
Please contact your Account Representative for product expiration terms. All Standards referenced in the Product Certification Schemes by Standard Name.

Revision: 02/27/2024

FORM.12046

Water Quality Association Gold Seal Certificate

James Enterprise Inc

1981 Aspen Circle
Pueblo, Colorado United States
Facility: Confidential Facility #2

Certification Date: June 03, 2025

Authorized By:



Kelli Fleischmann
Product Certification Director
Water Quality Association
2375 Cabot Drive
Lisle, IL 60532, USA



Products are evaluated according to Product Certification Scheme Type 5, as defined in ISO/IEC 17067 (current version).
This Certificate, or any part thereof, may not be used in a misleading manner and validation of its use is contingent upon the Official WQA web-listing.
Please contact your Account Representative for product expiration terms. All Standards referenced in the Product Certification Schemes by Standard Name.

Revision: 02/27/2024

FORM.12046

Testing Methodology and Quality Standards Overview

BOROUX Foundation Filters have been tested by International Association of Plumbers and Mechanical Officials, Research and Testing (IAPMO R&T) Lab NJ, an ISO/IEC 17025 accredited laboratory. The International Standard Organization (ISO) standard 17025:2017 specifies the general requirements for the competence, impartiality, and consistent operation of laboratories, adhering to the specifications defined in the National Sanitation Foundation (NSF) and American National Standards Institute (ANSI) standards, 42, 53, and 401.

A test is run by adding a certain amount of a contaminant to a specific volume of water, then letting that mixture flow through the filter, followed by testing the filtered water to measure the remaining amount of that contaminant. A single filter is used for each test, which means that if two filters are used in a system, the results can be doubled. For example, where the report states 4,500 gallons, a set of filters will effectively reduce that contaminant for up to 9,000 gallons.

The water tested after filtration must meet or exceed the NSF standards for each contaminant. This is shown in the report under the column titled “Maximum Allowable Effluent Concentration,” which indicates the accepted contaminant level after filtration.

Gallons of contaminated water is passed through the filter until “failure,” meaning the effluent water matches or exceeds the allowable limit. This indicates that it no longer effectively filters that contaminant at that gallonage.

Influent Challenge Concentration Before Filtration and Maximum Allowable Effluent Concentration adhere to the specifications defined in the NSF/ANSI Standards 42, 53, and 401, except where those standards do not specify parameters for the listed substances.

The testing of Volatile Organic Compounds (VOCs) used Chloroform as a surrogate chemical.

Glossary

Contaminant: Lists the substance that was tested.

Gallons Tested: Indicates the number of gallons that have successfully completed testing as of the listed date.

Influent Challenge Concentration Before Filtration: Displays the amount of contaminant in the water before filtration.

Average Effluent Concentration After Filtration: Shows the average amount of contaminant in the water after filtration.

Maximum Allowable Effluent Concentration: Displays the maximum amount of contaminant allowed by the relevant standard.

How to Read the Test Report

BIG LONG FANCY (CHEMICAL NAMES)

HOW MUCH IS ADDED TO THE WATER FOR TESTING

WHAT'S LEFT AFTER GOING THROUGH THE FILTER

INDICATES THE NSF-ACCEPTED AMOUNT AFTER FILTRATION

HOW MUCH IS FILTERED

CONTAMINANT CATEGORIES

THE NUMBER OF GALLONS THAT A FILTER WORKS

INDICATES WHEN THE FILTER NEEDS REPLACED FOR THAT CONTAMINANT

Contaminant	Gallons Tested as of 04/09/24	Influent Challenge Concentration Before Filtration (ug/L)	Average Effluent Concentration After Filtration (ug/L)	Maximum Allowable Effluent Concentration (ug/L)
*Bromochloroacetonitrile	200	300	4.4	15
*Bromodichloromethane	200	300	4.4	15
*Bromoform	200	300	4.4	15
Chloroform*	200	300	4.4	15
*Chlorodibromomethane	200	300	4.4	15
Chloramine	4000	3 mg/L	0.05 mg/L	0.6 mg/L
Chlorine	6000	2 mg/L	0.02 mg/L	1 mg/L
*Chloropricin	200	300	4.4	15
*Haloacetonitriles (HAN)	200	300	4.4	15
*Haloketones (HK)	200	300	4.4	15
*Trihalomethanes (THMs)	200	300	4.4	15
*Tribromoacetic Acid	200	300	4.4	15
*Trichloroacetonitrile	200	300	1.6	5
Cadmium pH 6.5	350	30	1.1	5
Cadmium pH 8.5	950	200 Ci/L	4.4 Ci/L	15uCi/L
Gross Beta (Cesium)	50	300	27	100
Chromium (trivalent) pH 6.5	950	300	17	100
Chromium (trivalent) pH 8.5	950	300	42	100
Chromium (hexavalent) pH 6.5	250	300	52	100
Chromium (hexavalent) pH 8.5	250	300	1.7	5
Lead pH 6.5	4000	150	1.6	5
Lead pH 8.5	450	150	0.4	2
Mercury pH 6.5	800	6	0.4	2
Mercury pH 8.5	800	97	4.3	30
Uranium	500	200 ng/L	12 ng/L	30 ng/L
Atenolol	200	1400 ng/L	42 ng/L	200 ng/L
Carbamazepine	250	140 ng/L	3 ng/L	20 ng/L
Estrone	250	400 ng/L	22 ng/L	60 ng/L
Ibuprofen	200	400 ng/L	14 ng/L	60 ng/L
Meprobamate	200	140 ng/L	2 ng/L	20 ng/L
Naproxen	250	200 ng/L	3 ng/L	30 ng/L
Phenytoin	250	140 ng/L	6 ng/L	20 ng/L
Trimethoprim	250	140 ng/L	6 ng/L	20 ng/L

Disinfectant Byproducts up to 99.68%

Heavy Metals up to 99.36%

Pharmaceuticals up to 99.5%

FOR EXAMPLE: IF WATER CONTAINS 140 NG/L OF THE PHARMACEUTICAL, TRIMETHOPRIM, THE BOROVX FOUNDATION FILTER CAN BLOCK OUT ALL BUT 6 NG/L FOR 250 GALLONS. THE LIMIT ALLOWED IS 20 NG/L.

Contaminant Filtration Chart

	Contaminant	Gallons Tested as of 04/09/24	Influent Challenge Concentration Before Filtration (ug/L)	Average Effluent Concentration After Filtration (ug/L)	Maximum Allowable Effluent Concentration (ug/L)
Disinfectant Byproducts up to 99.68%	*Bromochloroacetonitrile	200	300	4.4	15
	*Bromodichloromethane	200	300	4.4	15
	*Bromoform	200	300	4.4	15
	Chloroform*	200	300	4.4	15
	*Chlorodibromomethane	200	300	4.4	15
	Chloramine	4000	3 mg/L	0.05 mg/L	0.6 mg/L
	Chlorine	6000	2 mg/L	0.02 mg/L	1 mg/L
	*Chloropricin	200	300	4.4	15
	*Haloacetonitriles (HAN)	200	300	4.4	15
	*Haloketones (HK)	200	300	4.4	15
	*Trihalomethanes (THMs)	200	300	4.4	15
	*Tribromoacetic Acid	200	300	4.4	15
	*Trichloroacetonitrile	200	300	4.4	15
Heavy Metals up to 99.36%	Cadmium pH 6.5	350	30	1.6	5
	Cadmium pH 8.5	950	30	1.1	5
	Gross Beta (Cesium)	50	200 Ci/L	4.4 Ci/L	15uCi/L
	Chromium (trivalent) pH 6.5	950	300	27	100
	Chromium (trivalent) pH 8.5	950	300	17	100
	Chromium (hexavalent) pH 6.5	250	300	42	100
	Chromium (hexavalent) pH 8.5	250	300	52	100
	Lead pH 6.5	4000	150	1.7	5
	Lead pH 8.5	450	150	1.6	5
	Mercury pH 6.5	800	6	0.4	2
	Mercury pH 8.5	800	6	0.4	2
	Uranium	500	97	4.3	30
Pharmaceuticals up to 99.5%	Atenol	200	200 ng/L	12 ng/L	30 ng/L
	Carbamazepine	250	1400 ng/L	42 ng/L	200 ng/L
	Estrone	250	140 ng/L	3 ng/L	20 ng/L
	Ibuprofen	200	400 ng/L	22 ng/L	60 ng/L
	Meprobamate	200	400 ng/L	14 ng/L	60 ng/L
	Naproxen	250	140 ng/L	2 ng/L	20 ng/L
	Phenytoin	250	200 ng/L	3 ng/L	30 ng/L
	Trimethoprim	250	140 ng/L	6 ng/L	20 ng/L

* Below detectable levels.

* Volatile organic chemicals (VOC's) are included by chloroform surrogate testing.

Contaminant Filtration Chart

	Contaminant	Gallons Tested as of 04/09/24	Influent Challenge Concentration Before Filtration (ug/L)	Average Effluent Concentration After Filtration (ug/L)	Maximum Allowable Effluent Concentration (ug/L)
Forever Chemicals	Total PFAS	400	2	0.01	0.02
	PFOA	400	0.5	0.01	
	PFOS	400	1	0.01	
	PFOA+PFOS	400	1.5	0.01	0.02
	PFDA	400	0.01		
	PFHpA	400	0.04	<0.01 †	0.02
	PFHxS	400	0.3	<0.01 †	0.02
	PFBS	400	0.25		
	PFNA	400	0.05	0.01	0.02
Pesticides, Herbicides, Insecticides up to 99.95%	*Alachlor	200	300	4.4	15
	*Atrazine	200	300	4.4	15
	*Bromochloroacetonitrile	200	300	4.4	15
	*Carbofuran	200	300	4.4	15
	*Chlorodibromomethane	200	300	4.4	15
	DEET	250	1400 ng/L	46 ng/L	200 ng/L
	*Dibromochloropropane (DBCP)	200	300	4.4	15
	*Dinoseb	200	300	4.4	15
	*Endrin	200	300	4.4	15
	*Ethylene dibromide (EDB)	200	300	4.4	15
	Glyphosate	350	1800	99	800
	*Heptachlor	200	300	4.4	15
	*Heptachlor epoxide	200	300	4.4	15
	*Hexachlorocyclopentadiene	200	300	4.4	15
	*Lindane	200	300	4.4	15
	Linuron	250	140 ng/L	1.1 ng/L	20 ng/L
	*Methoxyhlor	200	300	4.4	15
	Metolachlor	250	1400 ng/L	<10 ng/L†	200 ng/L
	*p-Dichlorobenzene (PDCB)	200	300	4.4	15
	*Simazine	200	300	4.4	15
	*1, 2, 4-Trichlorobenzene	200	300	4.4	15
	*1, 3-dichloropropene	200	300	4.4	15
	*1, 4-dichlorobenzene	200	300	4.4	15
	*2, 4-D	200	300	4.4	15
	*2, 4, 5-TP (slivex)	200	300	4.4	15

† Below detectable levels.

* Volatile organic chemicals (VOC's) are included by chloroform surrogate testing.

Contaminant Filtration Chart

	Contaminant	Gallons Tested as of 04/09/24	Influent Challenge Concentration Before Filtration (ug/L)	Average Effluent Concentration After Filtration (ug/L)	Maximum Allowable Effluent Concentration (ug/L)
Industrial Chemicals up to 99.55%	*Benzene	200	300	4.4	15
	Bisphenol A (BPA)	200	2000 ng/L	75 ng/L	300 ng/L
	*Carbon tetrachloride	200	300	4.4	15
	*Cis-1, 2-dichloroethylene	200	300	4.4	15
	*Chlorobenzene	200	300	4.4	15
	*Dichloroacetonitrile	200	300	4.4	15
	*Ethylbenzene	200	300	4.4	15
	*Hexachlorobutadiene	200	300	4.4	15
	Nonylphenol	200	300	4.4	15
	*O-dichlorobenzene	200	300	4.4	15
	*Pentachlorophenol	200	300	4.4	15
	*Styrene	200	300	4.4	15
	TCEP	150	5000 ng/L	173 ng/L	700 ng/L
	TCPP	200	5000 ng/L	114 ng/L	700 ng/L
	*Tetrachloroethylene	200	300	4.4	15
	*Toluene	200	300	4.4	15
	*Trans-1, 2,-dichloroethylene	200	300	4.4	15
	*Trichloroethylene	200	300	4.4	15
	*Xylenes (total)	200	300	4.4	15
	*1, 1-dichloro-2-propanone	200	300	4.4	15
	*1, 1-dichloroethylene	200	300	4.4	15
	*1, 2-dichloropropane	200	300	4.4	15
	*1, 1, 1-trichloro-2-propane	200	300	4.4	15
	*1, 1, 2, 2-tetrachloroethane	200	300	4.4	15
	*1, 1, 1-trichloroethane	200	300	4.4	15
	*1, 1, 2-trichloroethane	200	300	4.4	15
	*1, 2-dichloroethane	200	300	4.4	15

† Below detectable levels.

* Volatile organic chemicals (VOC's) are included by chloroform surrogate testing.



BOROUX

Chloramine Reduction



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, CA 81006

Result: Passed at 6000 gallons

Date: 04/29/2024

Customer Name: James Enterprise Inc
Tested To: NSF/ANSI Standard 42 Chloramine Reduction test to 100%
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
QC Manager

Date: 04/29/2024

Report # 24-31-Chloramine
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Test Report IAPMO R&T LAB (NJ)

1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

NSF/ANSI Standard 42 Chloramine Reduction 100%

Manufacturer's Name: James Enterprise Inc
Sample Type: R & D
Product: Plumbed in without reservoir
Flow Rate: 10 gph
Filter Capacity: 3000 gallons
Cycle: 50/50
Conditioning Procedure: Discard first load
Physical Description of Sample: Inline filter
Performance Indicator Device: N/A, test up to 100%
Test Description: NSF/ANSI Std. 42 – Chloramine Reduction Testing
Trade Designation/Model Number: BOROUX Foundation
Unit Volume: 200 mL
Performance Standard: NSF/ANSI 42 – 2022
Pass/Fail Criteria (Chloramine): $\geq 80\%$

Water Characteristics Filters 1 & 2

Sample Point	pH (8.75-9.25)	Temp (20 ± 3 °C)	TDS (200-500 mg/L)	Hardness (<170 ppm)	Turbidity (<1 NTU)	TOC (1.0-2.0 ppm)	Organic Nitrogen (<0.2)
10 U/V	8.75	17.9	224	111	0.42	1.3	<0.2
17%	8.79	18.3	227	113	0.44	1.3	<0.2
33%	8.81	18.1	229	111	0.43	1.2	<0.2
50%	8.83	18.3	225	115	0.42	1.4	<0.2
67%	8.81	17.9	227	111	0.42	1.3	<0.2
83%	8.90	18.6	231	112	0.41	1.2	<0.2
100%	8.88	18.4	227	114	0.41	1.3	<0.2
117%	8.79	18.3	224	111	0.43	1.2	<0.2
133%	8.81	18.5	220	113	0.41	1.3	<0.2
150%	8.86	18.6	217	115	0.4	1.4	<0.2
167%	8.87	18.5	223	114	0.41	1.3	<0.2
183%	8.92	18.6	221	111	0.40	1.5	<0.2
200%	8.88	18.5	225	112	0.41	1.6	<0.2
Average	8.84	18.3	225	113	0.42	1.30	<0.2

*Note: Not Included in the ANAB ISO 17025 Scope of Certification.

Report # 24-31-Chloramine
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Test Report IAPMO R&T LAB (NJ)

1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Flow Rate and Pressure F1 & F2

Sample Point	*Flow Rate (gpm)	*Pressure (psi)
10 UV	0.17	3
17%	0.17	3
33%	0.17	3
50%	0.17	3
67%	0.17	3
83%	0.17	3
100%	0.17	3
117%	0.17	3
133%	0.17	3
150%	0.17	3
167%	0.17	3
183%	0.17	3
200%	0.17	3
Average	0.17	3

*Note: Not Included in the ANAB ISO 17025 Scope of Certification.

Filter Table

Sample Point	Accumulated Volume	Influent Chloramine Concentration (mg/L)	Effluent Chloramine (mg/L)	% Reduction	Passed/Failed
10 UV	10 UV	3.10	<0.01	99.68%	Passed
17%	500 gallons	2.78	<0.01	99.64%	Passed
33%	1000 gallons	2.83	<0.01	99.65%	Passed
50%	1500 gallons	2.79	<0.01	99.64%	Passed
67%	2000 gallons	2.71	<0.01	99.63%	Passed
83%	2500 gallons	2.80	0.06	97.86%	Passed
100%	3000 gallons	2.77	0.07	97.47%	Passed
117%	3500 gallons	2.87	0.17	94.08%	Passed
133%	4000 gallons	2.73	0.07	97.44%	Passed
150%	4500 gallons	2.75	0.13	95.27%	Passed
167%	5000 gallons	2.73	0.10	96.34%	Passed
183%	5500 gallons	2.73	0.09	96.70%	Passed
200%	6000 gallons	2.72	0.09	96.69%	Passed

Chloramine Reporting Limit: 0.01 mg/L

Report # 24-31-Chloramine
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BOROUX



Test Report IAPMO R&T LAB (NJ)

1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 24-31-Chloramine
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BOROUX

Modified Chlorine Reduction



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 6000 gallons

Date: 01/25/2024

Customer Name: James Enterprise Inc
Tested To: NSF/ANSI 42 Standard Modified Chlorine 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

Date: 01/25/2024

Report #23-142-1-Chlorine
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BOROUX



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

NSF/ANSI Standard Modified 42 Chlorine Reduction: Passed at 6000 gallons.

Manufacturer's Name: James Enterprise Inc

Sample Type: R & D

Product: Gravity Filter

Flow Rate: 5 gph

Filter Capacity: 6000 gallons

Cycle: 50/50

Conditioning Procedure: Run 2 gallons before testing.

Physical Description of Sample: Gravity filter

Trade Designation/Model Number: BOROUX Foundation

Test Description: NSF/ANSI Modified 42 Standard -Chlorine Reduction Testing

Performance Standard: NSF/ANSI 42 – 2022

Pass/Fail Criteria (Chlorine Minimum Percent Reduction): 50%

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

Water Characteristics

Accumulated Volume	Temp. (17-23 C)	pH (7.00 to 8.00)	TDS (200-500)	Turbidity <1 NTU	TOC (1.0-2.0 ppm)	Flow Rate (gpm)
10 UV	20.8	7.45	255	0.45	1.2	0.08
500 gallons	20.0	7.40	254	0.44	1.2	0.08
1000 gallons	19.7	7.43	239	0.41	1.1	0.08
1500 gallons	20.1	7.41	227	0.45	1.1	0.08
2000 gallons	20.5	7.39	231	0.43	1.2	0.08
2500 gallons	20.7	7.41	227	0.41	1.2	0.08
3000 gallons	19.7	7.37	229	0.43	1.2	0.08
3500 Gallons	19.9	7.41	224	0.41	1.1	0.08
4000 Gallons	19.5	7.45	229	0.47	1.1	0.08
4500 Gallons	19.1	7.43	231	0.45	1.2	0.08
5000 Gallons	19.6	7.52	225	0.43	1.2	0.08
5500 Gallons	18.7	7.31	227	0.43	1.1	0.08
6000 Gallons	19.2	7.27	217	0.46	1.2	0.08

Report #23-142-1-Chlorine
Page 2 of 4



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Filter #1 Data Summary Table

Accumulated Volume	Influent Concentration in mg/L	Effluent Concentration in mg/L	Chlorine % Reduction	Pass/Fail Criteria
10 UV	1.81	0.13	92.82%	Passed
500 gallons	2.20	<0.01	99.55%	Passed
1000 gallons	2.01	0.03	98.51%	Passed
1500 gallons	1.97	0.02	98.98%	Passed
2000 gallons	2.20	0.01	99.55%	Passed
2500 gallons	1.98	0.01	99.49%	Passed
3000 gallons	2.20	0.01	99.55%	Passed
3500 Gallons	2.20	<0.01	99.55%	Passed
4000 Gallons	1.91	<0.01	99.55%	Passed
4500 Gallons	2.20	<0.01	99.55%	Passed
5000 Gallons	1.87	0.03	98.40%	Passed
5500 Gallons	1.81	0.04	97.79%	Passed
6000 Gallons	2.08	0.02	99.04%	Passed

Chlorine Reporting Limit: 0.01 mg/L.



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report #23-142-1-Chlorine
Page 4 of 4



BOROUX

Chloroform Reduction



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

Report # 23-199-1-Chloroform
Page 1 of 3



Test Report

IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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 (CHCl₃ Maximum Product Water Concentration): 15 µg/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 µg/L)	Effluent CHCl ₃ Concentration (µg/L)	%Reduction	Passed/Failed ≤15 µg/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

CHCl₃ Reporting Limit: 0.1 µg/L

Report # 23-199-1-Chloroform
Page 2 of 3



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 23-199-1-Chloroform
Page 3 of 3



BOROUX

Chromium III-Cadmium-Selenium Reduction pH 6.5



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: Chromium Passed. Cadmium Passed to 350 gallons. Selenium Passed at the Start Date: 04/18/2024

Customer Name: James Enterprise Inc

Tested To: NSF/ANSI Standard 53 Chromium III-Cadmium-Selenium 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 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: 04/18/2024

Report # 23-199-5-Chromium III, Cd, Se 6.5

Page 1 of 5



BOROUX



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

NSF/ANSI Standard 53 Chromium III-Cadmium-Selenium Reduction at pH 6.5

Manufacturer's Name: James Enterprise Inc

Sample Type: R & D

Product: Gravity Filter

Flow Rate: 10 gpd

Filter Capacity: 125 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 III-Cadmium-Selenium Reduction Testing pH 6.5

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 L

Performance Standard: NSF/ANSI 53 – 2022

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

Pass/Fail Criteria (Cadmium): 5 µg/L

Pass/Fail Criteria (Selenium): 50 µg/L



Test Report

IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Water Characteristics

Sample Point	pH	*Temperature (17.5-22.5)	Alkalinity (10-30)	Hardness (10-30)	Turbidity <1 NTU	TDS	Polyphosphate as P <0.5 ppm	*Flow Rate (gpd)
	(6.25-6.75)					<100 mg/L		
10 UV	6.52	20	22	19	0.4	57	0.2	10
50%	6.55	19.5	25	22	0.4	59	0.3	10
100%	6.50	19.6	22	23	0.3	51	0.2	10
150%	6.53	19.8	25	24	0.3	52	0.2	10
180%	6.57	19.9	23	26	0.4	56	0.3	10
200%	6.56	19.7	21	24	0.4	57	0.3	10
240%	6.55	19.6	23	26	0.3	68	0.2	10
280%	6.49	19.6	22	24	0.3	61	0.3	10
320%	6.41	19.5	23	25	0.2	51	0.3	10
360%	6.47	18.5	21	21	0.2	54	0.3	10
400%	6.45	18.3	23	24	0.2	57	0.3	10
440%	6.40	18.5	25	21	0.3	49	0.2	10
480%	6.45	18.4	24	29	0.3	41	0.2	10
520%	6.41	18.5	24	25	0.2	42	0.3	10
560%	6.48	18.2	22	24	0.3	40	0.3	10
600%	6.49	18.4	23	25	0.2	41	0.3	10
640%	6.51	18.4	25	24	0.3	42	0.3	10
680%	6.57	18.3	24	27	0.2	41	0.3	10
720%	6.55	18.2	23	25	0.3	40	0.3	10
760%	6.51	18.2	21	28	0.3	39	0.3	10
800%	6.54	18.3	26	22	0.3	38	0.3	10
Average	6.50	18.9	23	24	0.3	49	0.3	10

*Note: Not Included in the ANAB ISO 17025 Scope of Certification.

Report # 23-199-5-Chromium III, Cd, Se 6.5

Page 3 of 5



Test Report

IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Data Analysis Table Chromium III Passed to 1000 Gallons

Sample Point	Accumulated Volume Effluent	Influent Chromium III (µg/L)	Effluent Chromium III Concentration (µg/L)	% Reduction	Passed/Failed
10 UV	10 UV	365	15	95.89%	Passed
50%	62.5 gallons	297	3	98.99%	Passed
100%	125 gallons	305	4	98.69%	Passed
150%	187.5 gallons	321	5	98.44%	Passed
180%	225 gallons	360	62	82.78%	Passed
200%	250 gallons	298	25	91.61%	Passed
240%	300 gallons	306	55	82.03%	Passed
280%	350 gallons	290	18	93.79%	Passed
320%	400 gallons	295	70	76.27%	Passed
360%	450 gallons	302	42	86.09%	Passed
400%	500 gallons	311	16	94.86%	Passed
440%	550 gallons	297	41	86.20%	Passed
480%	600 gallons	231	43	81.39%	Passed
520%	650 gallons	328	28	91.46%	Passed
560%	700 gallons	297	17	94.28%	Passed
600%	750 gallons	328	20	93.90%	Passed
640%	800 gallons	319	19	94.04%	Passed
680%	850 gallons	318	14	95.60%	Passed
720%	900 gallons	315	16	94.92%	Passed
760%	950 gallons	291	17	94.16%	Passed
800%	1000 gallons	295	34	88.47%	Passed

Chromium III Detection Limit: 1 µg/L

Data Analysis Table Cadmium Passed to 350 Gallons

Sample Point	Accumulated Volume Effluent	Influent Cadmium (µg/L)	Effluent Cadmium Concentration (µg/L)	% Reduction	Passed/Failed
10 UV	10 UV	33	1	96.97%	Passed
50%	62.5 gallons	30	<1	96.67%	Passed
100%	125 gallons	33	1	96.97%	Passed
150%	187.5 gallons	31	<1	96.77%	Passed
180%	225 gallons	31	<1	96.77%	Passed
200%	250 gallons	33	4	87.88%	Passed
240%	300 gallons	30	3	90.00%	Passed
280%	350 gallons	25	<1	96.00%	Passed

Cadmium Detection Limit: 1 µg/L

Data Analysis Table Selenium Passed at the Start

Sample Point	Accumulated Volume Effluent	Influent Selenium (µg/L)	Effluent Selenium Concentration (µg/L)	% Reduction	Passed/Failed
10 UV	10 UV	121	26	78.51%	Passed

Selenium Detection Limit: 1 µg/L

Report # 23-199-5-Chromium III, Cd, Se 6.5

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Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 23-199-5-Chromium III, Cd, Se 6.5
Page 5 of 5



BOROUX

Chromium III-Cadmium-Selenium Reduction pH 8.5



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: Chromium Passed at 1000 Gallons. Cadmium Passed at 1000 Gallons. Selenium Passed at the Start. Date: 04/18/2024

Customer Name: James Enterprise Inc

Tested To: NSF/ANSI Standard 53 Chromium III-Cadmium-Selenium Reduction pH 8.5

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: 04/18/2024

Report # 23-199-6-Chromium III, Cd, Se 8.5

Page 1 of 5



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

NSF/ANSI Standard 53 Chromium III-Cadmium-Selenium Reduction at pH 8.5:

Manufacturer's Name: James Enterprise Inc

Sample Type: Qualification

Product: Gravity Filter

Flow Rate: 10 gpd

Filter Capacity: 125 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 III-Cadmium-Selenium Reduction Testing pH 8.5

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 L

Performance Standard: NSF/ANSI 53 – 2022

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

Pass/Fail Criteria (Cadmium): 5 µg/L

Pass/Fail Criteria (Selenium): 50 µg/L





Test Report

IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Water Characteristics

Sample Point	pH	*Temperature (17.5-22.5 C)	Alkalinity (100-250)	Hardness (100-200)	Turbidity <1 NTU	TDS	Polyphosphate as P <0.5 ppm	*Flow Rate (gpd)
	(8.25-8.75)					200-500 mg/L		
10 UV	8.38	20.0	186	121	0.4	257	0.2	10
50%	8.40	19.4	198	135	0.4	248	0.2	10
100%	8.51	19.6	180	142	0.4	263	0.2	10
150%	8.47	19.8	199	157	0.3	254	0.2	10
180%	8.50	19.5	189	143	0.3	243	0.3	10
200%	8.46	19.4	190	141	0.3	240	0.3	10
240%	8.51	19.6	198	153	0.2	275	0.2	10
280%	8.53	19.5	196	147	0.3	261	0.2	10
320%	8.50	19.6	185	142	0.2	254	0.3	10
360%	8.56	18.5	199	141	0.2	257	0.3	10
400%	8.57	18.2	189	142	0.3	251	0.2	10
440%	8.51	18.5	181	145	0.2	229	0.2	10
480%	8.56	18.4	196	148	0.3	235	0.2	10
520%	8.51	18.4	185	150	0.2	247	0.2	10
560%	8.50	18.2	190	142	0.2	238	0.3	10
600%	8.45	18.4	188	145	0.3	229	0.2	10
640%	8.52	18.4	197	146	0.3	225	0.2	10
680%	8.50	18.2	187	157	0.2	229	0.2	10
720%	8.51	18.3	190	142	0.2	221	0.2	10
760%	8.49	18.1	175	140	0.3	220	0.2	10
800%	8.50	18.3	181	142	0.3	224	0.2	10
Average	8.50	19.4	189	144	0.3	255	0.2	10

*Note: Not Included in the ANAB ISO 17025 Scope of Certification.

Report # 23-199-6-Chromium III, Cd, Se 8.5

Page 3 of 5



BOROUX



Test Report

IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Data Analysis Table Chromium III Passed at 1000 Gallons

Sample Point	Accumulated Volume Effluent	Influent Chromium III (µg/L)	Effluent Chromium III Concentration (µg/L)	% Reduction	Passed/Failed
10 UV	10 UV	356	8	97.75%	Passed
50%	62.5 gallons	300	8	97.33%	Passed
100%	125 gallons	318	6	98.11%	Passed
150%	187.5 gallons	337	4	98.81%	Passed
180%	225 gallons	308	38	87.69%	Passed
200%	250 gallons	303	24	92.08%	Passed
240%	300 gallons	297	34	88.55%	Passed
280%	350 gallons	313	19	93.93%	Passed
320%	400 gallons	329	26	92.10%	Passed
360%	450 gallons	302	24	92.05%	Passed
400%	500 gallons	321	17	94.70%	Passed
440%	550 gallons	298	32	89.69%	Passed
480%	600 gallons	329	31	99.70%	Passed
520%	650 gallons	289	22	92.39%	Passed
560%	700 gallons	278	8	97.12%	Passed
600%	750 gallons	271	12	95.57%	Passed
640%	800 gallons	276	12	95.65%	Passed
680%	850 gallons	303	5	98.35%	Passed
720%	900 gallons	224	5	97.77%	Passed
760%	950 gallons	264	6	97.73%	Passed
800%	1000 gallons	261	15	94.25%	Passed

Chromium Detection Limit: 1 µg/L

Data Analysis Table Cadmium Passed at 1000 Gallons

Sample Point	Accumulated Volume Effluent	Influent Cadmium (µg/L)	Effluent Cadmium Concentration (µg/L)	% Reduction	Passed/Failed
10 UV	10 UV	33	<1	96.97%	Passed
50%	62.5 gallons	30	3	90.00%	Passed
100%	125 gallons	31	<1	96.77%	Passed
150%	187.5 gallons	30	<1	96.67%	Passed
180%	225 gallons	30	<1	96.67%	Passed
200%	250 gallons	31	<1	96.77%	Passed
240%	300 gallons	32	<1	96.88%	Passed
280%	350 gallons	26	<1	96.15%	Passed
320%	400 gallons	26	<1	96.15%	Passed
360%	450 gallons	23	<1	95.65%	Passed
400%	500 gallons	29	<1	96.55%	Passed
440%	550 gallons	29	<1	96.55%	Passed
480%	600 gallons	31	<1	96.77%	Passed
520%	650 gallons	30	1	96.67%	Passed
560%	700 gallons	33	<1	96.97%	Passed
600%	750 gallons	32	<1	96.88%	Passed
640%	800 gallons	31	<1	96.77%	Passed
680%	850 gallons	30	<1	96.67%	Passed
720%	900 gallons	27	<1	96.30%	Passed
760%	950 gallons	34	<1	97.06%	Passed
800%	1000 gallons	43	<1	97.67%	Passed

Cadmium Detection Limit: 1 µg/L

Report # 23-199-6-Chromium III, Cd, Se 8.5

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Test Report

IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Data Analysis Table Selenium Passed at the Start

Sample Point	Accumulated Volume Effluent	Influent Selenium (µg/L)	Effluent Selenium Concentration (µg/L)	% Reduction	Passed/Failed
10 UV	10 UV	125	33	73.60%	Passed

Selenium Detection Limit: 1 µCi/L

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

Report # 23-199-6-Chromium III, Cd, Se 8.5
Page 5 of 5



BOROUX

Chromium VI Reduction pH 6.5



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

Report # 23-199-12-Chromium VI 6.5
Page 1 of 3





Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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 L

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

Report # 23-199-12-Chromium VI 6.5
Page 2 of 3



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 23-199-12-Chromium VI 6.5
Page 3 of 3





BOROUX

Chromium VI Reduction pH 8.5



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 8.5
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



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

NSF/ANSI Standard 53 Chromium VI Reduction at pH 8.5: 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 8.5

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 L

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 (100-250)	Hardness (100-200)	Turbidity <1	TDS	Polyphosphate as P	Flow Rate
Effluent	(8.25-8.75)					200-500 mg/L	<0.5 ppm	(gpm)
10 UV	8.62	19.8	146	121	0.4	258	0.3	10
62.5 gallons	8.60	19.5	152	130	0.4	249	0.2	10
125 gallons	8.54	19.6	161	125	0.3	256	0.3	10
187.5 gallons	8.49	19.7	170	133	0.3	241	0.2	10
225 gallons	8.38	19.6	147	142	0.2	245	0.2	10
250 gallons	8.40	19.5	160	141	0.3	239	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	320	<1	99.69%	Passed
62.5 gallons	335	23	93.13%	Passed
125 gallons	330	79	76.06%	Passed
187.5 gallons	321	73	77.26%	Passed
225 gallons	326	54	83.44%	Passed
250 gallons	301	79	73.75%	Passed

Chromium VI Detection Limit: 1 µg/L

Report # 23-199-13-Chromium VI 8.5

Page 2 of 3



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 23-199-13-Chromium VI 8.5
Page 3 of 3





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 350 gallons

Date: 01/29/2024

Customer Name: James Enterprise Inc

Tested To: NSF/ANSI Modified Standard 53 Glyphosate Reduction

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: 01/29/2024

Report # 23-199-14-Glyphosate
Page 1 of 3



BOROUX



BOROUX

Glyphosate Reduction



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

NSF/ANSI Modified Standard 53 Glyphosate Reduction: Passed at 350 gallons.

Manufacturer's Name: James Enterprise Inc

Sample Type: Qualification

Product: Gravity Filter

Flow Rate: 10 gpd

Filter Capacity: 350 gallons

Cycle: 15-60 min rest between loads

Conditioning Procedure: Discard first batch

Physical Description of Sample: Gravity Filter

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

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 mL

Performance Standard: NSF/ANSI 53 – 2022

Pass/Fail Criteria (Glyphosate): 800 µg/L

Water Characteristics

Accumulated Volume	pH	Temperature (17.0-23.0 C)	TDS 200-500 mg/L	Hardness (100-200)	Turbidity (<1 NTU)	TOC (1.0-2.0)	Flow Rate (gpd)
Effluent	(7.00-8.00)						
10 UV	7.52	20.2	243	125	0.3	1.2	10
62.5 gallons	7.49	19.5	250	145	0.2	1.2	10
125 gallons	7.45	19.7	273	135	0.2	1.3	10
187.5 gallons	7.41	19.6	259	129	0.2	1.3	10
225 gallons	7.62	19.8	248	127	0.3	1.2	10
250 gallons	7.60	19.5	246	154	0.3	1.2	10
300 gallons	7.41	19.4	241	137	0.2	1.2	10
350 gallons	7.47	19.6	245	139	0.3	1.3	10

Data Analysis Table

Accumulated Volume Effluent	Influent Glyphosate (µg/L)	Effluent Glyphosate Concentration (µg/L)	% Reduction	Passed/Failed
10 UV	1792	<1	99.94%	Passed
62.5 gallons	1821	<1	99.95%	Passed
125 gallons	1813	<1	99.94%	Passed
187.5 gallons	1883	<1	99.95%	Passed
225 gallons	1793	<1	99.94%	Passed
250 gallons	1791	<1	99.94%	Passed
300 gallons	1663	269	83.82%	Passed
350 gallons	1565	517	66.96%	Passed

Glyphosate Detection Limit: 1 µg/L

Report # 23-199-14-Glyphosate
Page 2 of 3





Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 23-199-14-Glyphosate
Page 3 of 3





BOROUX

Lead Reduction Test pH 6.5



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

Report # 23-142-3-Lead-Low pH
Page 1 of 3



BOROUX



Test Report

IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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: 10 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
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

Report # 23-142-3-Lead-Low pH
Page 2 of 3



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 23-142-3-Lead-Low pH
Page 3 of 3



BOROUX

Lead Reduction pH 8.5



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
Corey Elise Young
QC Manager

Date: 01/24/2024

Report # 23-199-7-Lead-pH 8.5
Page 1 of 4



Test Report

IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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 L

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
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



Test Report

IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Data Summary Table

Accumulated Volume Effluent	Influent Lead (135 to 165 µg/L)	Effluent Lead Concentration (µg/L)	Influent Fine Particulate (>20µm)	Influent Total Particulate (20-40µm)
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



Report # 23-199-7-Lead-pH 8.5

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Test Report IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 23-199-7-Lead-pH 8.5
Page 4 of 4



BOROUX



BOROX

Mercury-Uranium-Gross Beta (Cesium) Reduction pH 6.5



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

Results: Mercury & Uranium Passed at 350 gallons/Cesium passed at 50 gallons

Date: 01/24/2024

Customer Name: James Enterprise Inc

Tested To: NSF/ANSI Standard 53 Mercury-Uranium-Gross Beta (Cesium) Reduction pH 6.5 PT 200%

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

Report # 23-199-3-Mercury-Uranium-Gross Beta (Cesium) 6.5

Page 1 of 4



BOROUX



Test Report

IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

NSF/ANSI Standard 53 Mercury-Uranium-Gross Beta (Cesium) Reduction at pH 6.5:

Manufacturer's Name: James Enterprise Inc

Sample Type: Qualification

Product: Gravity Filter

Flow Rate: 10 gpd

Filter Capacity: 100 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 – Mercury-Uranium-Gross Beta (Cesium) Reduction Testing pH 6.5

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 L

Performance Standard: NSF/ANSI 53 – 2022

Pass/Fail Criteria (Mercury): 2 µg/L

Pass/Fail Criteria (Uranium): 30 µg/L

Pass/Fail Criteria (Gross Beta) (Cesium): 15 µCi/L

Water Characteristics

Accumulated Volume	pH	Temperature (17.5-22.5)	Alkalinity (10-30)	Hardness (10-30)	Turbidity <1	TDS <100 mg/L	Polyphosphate as P <0.5 ppm	Flow Rate (gpd)
Effluent	(6.25-6.75)							
10 UV	6.65	19.8	24	21	0.4	52	0.3	10
25 gallons	6.60	19.9	21	23	0.4	58	0.2	10
50 gallons	6.70	20.0	22	24	0.3	56	0.2	10
75 gallons	6.51	20.1	24	24	0.3	59	0.2	10
90 gallons	6.55	20.0	22	24	0.3	54	0.2	10
100 gallons	6.49	20.0	23	25	0.4	56	0.2	10
150 gallons	6.52	19.6	20	21	0.3	48	0.2	10
200 gallons	6.51	19.8	25	22	0.4	61	0.2	10
250 gallons	6.57	19.6	26	24	0.3	52	0.3	10
300 gallons	6.53	19.2	21	23	0.2	58	0.2	10
350 gallons	6.50	19.0	21	20	0.3	57	0.2	10

Report # 23-199-3-Mercury-Uranium-Gross Beta (Cesium) 6.5

Page 2 of 4



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Data Analysis Table Mercury Result: Passed at 350 gallons.

Accumulated Volume Effluent	Influent Mercury (µg/L)	Effluent Mercury Concentration (µg/L)	% Reduction	Passed/Failed
10 UV	6.5	<0.1	98.46%	Passed
25 gallons	5.9	<0.1	98.31%	Passed
50 gallons	5.8	0.5	91.38%	Passed
75 gallons	7.1	0.9	87.32%	Passed
90 gallons	6.1	<0.1	98.36%	Passed
100 gallons	5.9	0.3	94.92%	Passed
150 gallons	6.5	0.3	95.38%	Passed
200 gallons	5.9	0.1	98.31%	Passed
250 gallons	6.6	<0.1	98.48%	Passed
300 gallons	6.2	1.4	77.42%	Passed
350 gallons	5.8	<0.1	98.28%	Passed

Mercury Detection Limit: 0.1 µg/L

Data Analysis Table Uranium Result: Passed at 350 gallons.

Accumulated Volume Effluent	Influent Uranium (µg/L)	Effluent Uranium Concentration (µg/L)	% Reduction	Passed/Failed
10 UV	74	<1	98.65%	Passed
25 gallons	97	<1	98.97%	Passed
50 gallons	103	<1	99.03%	Passed
75 gallons	104	<1	99.04%	Passed
90 gallons	83	<1	98.80%	Passed
100 gallons	91	<1	98.90%	Passed
150 gallons	89	1	98.88%	Passed
200 gallons	90	2	98.89%	Passed
250 gallons	86	4	98.84%	Passed
300 gallons	123	4	99.19%	Passed
350 gallons	113	1	99.12%	Passed

Uranium Detection Limit: 1 µg/L

Data Analysis Table Gross Beta (Cesium) Result: Passed at 50 gallons.

Accumulated Volume Effluent	Influent Gross Beta (Cesium) (µCi/L)	Effluent Gross Beta (Cesium) Concentration (µCi/L)	% Reduction	Passed/Failed
10 UV	201	1	99.50%	Passed
25 gallons	208	2	99.04%	Passed
50 gallons	201	10	95.02%	Passed

Cesium Detection Limit: 1 µCi/L



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 23-199-3-Mercury-Uranium-Gross Beta (Cesium) 6.5
Page 4 of 4



BOROUX

Mercury Reduction pH 8.5



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

Date: 04/18/2024

Customer Name: James Enterprise Inc

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

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: 04/18/2024

Report # 23-199-4-Mercury 8.5
Page 1 of 4



BOROUX



Test Report

IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

NSF/ANSI Standard 53 Mercury Reduction at pH 8.5: Passed

Manufacturer's Name: James Enterprise Inc

Sample Type: Qualification

Product: Gravity Filter

Flow Rate: 10 gpd

Filter Capacity: 200 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 – Mercury Reduction Testing pH 8.5

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 L

Performance Standard: NSF/ANSI 53 – 2022

Pass/Fail Criteria: (Mercury Emerging Compound Maximum Product Water Concentration): 2 µg/L

Water Characteristics

Accumulated Volume Effluent	pH	*Temperature (17.5-22.5 C)	Alkalinity (100-250)	Hardness (100-200)	Turbidity <1 NTU	TDS	Polyphosphate as P <0.5 ppm	*Flow Rate (gpd)
	(8.25-8.75)					200-500 mg/L		
10 UV	8.52	20.0	149	155	0.5	253	0.2	10
50%	8.43	20.1	160	149	0.4	238	0.2	10
100%	8.41	20.0	153	151	0.3	245	0.2	10
150%	8.50	19.6	147	146	0.3	229	0.2	10
180%	8.60	19.9	151	145	0.4	243	0.2	10
200%	8.62	20.1	148	142	0.3	244	0.2	10
300%	8.50	19.6	147	146	0.3	229	0.2	10
400%	8.60	19.9	151	145	0.4	243	0.2	10
500%	8.54	19.5	158	150	0.3	247	0.2	10
600%	8.5	19.2	152	149	0.3	233	0.2	10
700%	8.51	18.2	154	146	0.2	238	0.2	10
800%	8.54	18.3	150	135	0.3	221	0.2	10
900%	8.51	18.4	141	136	0.3	229	0.2	10
1000%	8.45	18.4	140	145	0.2	234	0.2	10
1100%	8.46	18.5	151	142	0.2	231	0.3	10
1200%	8.5	18.4	149	141	0.2	230	0.2	10
1300%	8.47	18.5	154	136	0.2	221	0.2	10
1400%	8.42	18.2	147	156	0.2	230	0.2	10
1500%	8.4	18.0	140	156	0.2	238	0.3	10
1600%	8.41	18.2	142	153	0.3	236	0.3	10
1700%	8.45	18.3	146	148	0.3	233	0.3	10
Average	8.49	19.0	149	146	0.3	235	0.2	10

*Note: Not Included in the ANAB ISO 17025 Scope of Certification.

Report # 23-199-4-Mercury 8.5

Page 2 of 4



Test Report

IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Data Analysis Table

Sample Point	Accumulated Volume Effluent	Influent Mercury (µg/L)	Effluent Mercury Concentration (µg/L)	% Reduction	Passed/Failed
10 UV	Start	7.1	<0.5	98.59%	Passed
50%	25 gallons	6.6	0.6	90.91%	Passed
100%	50 gallons	6.8	0.9	86.76%	Passed
150%	75 gallons	5.4	0.9	83.33%	Passed
180%	90 gallons	5.7	0.2	96.49%	Passed
200%	100 gallons	5.9	0.2	96.61%	Passed
300%	150 gallons	6.5	<0.5	98.46%	Passed
400%	200 gallons	6.0	<0.5	98.33%	Passed
500%	250 gallons	5.4	<0.5	98.15%	Passed
600%	300 gallons	5.8	<0.5	98.28%	Passed
700%	350 gallons	5.7	0.2	96.49%	Passed
800%	400 gallons	6.2	<0.5	98.39%	Passed
900%	450 gallons	5.9	0.2	96.61%	Passed
1000%	500 gallons	5.9	0.9	84.75%	Passed
1100%	550 gallons	6.0	0.1	98.33%	Passed
1200%	600 gallons	5.9	0.9	84.75%	Passed
1300%	650 gallons	5.8	0.1	98.28%	Passed
1400%	700 gallons	6.0	1.2	80.00%	Passed
1500%	750 gallons	6.3	0.6	90.48%	Passed
1600%	800 gallons	6.2	0.4	93.55%	Passed
1700%	900 gallons	6.1	1.2	80.33%	Passed

Mercury Detection Limit: 0.5 µg/L



Test Report IAPMO R&T LAB (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 23-199-4-Mercury 8.5
Page 4 of 4



BOROUX

PFAS Reduction



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

Report # 23-199-2-PFAS

Page 1 of 5



BOROUX



Test Report IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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 L

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 (7.5-8.5)	Temperature (20±3°C)	Turbidity (<1 NTU)	TOC (1.0-2.0 mg/L)	TDS (200-500)	Flow Rate
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

Report # 23-199-2-PFAS

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Test Report

IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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





Test Report

IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
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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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Test Report IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
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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

Report # 23-199-2-PFAS
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BOROUX

NSF/ANSI Std 401 Section 7, Group 1



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: 01/29/2024

Customer Name: James Enterprise Inc
Tested To: NSF/ANSI Std 401 Section 7, Group 1
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: 01/29/2024

Report # 23-199-15-Group 1
Page 1 of 5



Test Report

IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Standard 401 Emerging Compounds Group 1 Reduction PT 200%: Passed at 200 gallons.

Manufacturer's Name: James Enterprise Inc

Sample Type: Gravity Filter

Product: R & D

Flow Rate: 10 gpd

Filter Capacity: 200 Gallons

Conditioning Procedure: Discard first batch

Cycle: 15-60 min rest between loads

Physical Description of Sample: Gravity Filter

Test Description: NSF/ANSI Std 401 Section 7, Group 1– Emerging Compound Reduction Testing Group 1

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 L

Performance Standard: NSF/ANSI Std 401 Section 7 – 2022

Pass/Fail Criteria (Emerging Compound Maximum Product Water Concentration):

Atenolol Passing criteria: 30 ng/L; **Carbamazepine** Passing criteria: 200 ng/L

DEET passing criteria: 200 ng/L; **Metolachlor** passing criteria: 200 ng/L

Meprobamate passing criteria: 60 ng/L; **Trimethoprim** passing criteria: 20 ng/L

Linuron passing criteria: 20 ng/L

Decision Rule: Pass/Fail based on simple acceptance of the analytical results above the NSF/ANSI Std limit.

Water Characteristics

Accumulated Volume Effluent	pH (7.5±0.5)	Temperature	TDS	Turbidity	TOC	Flow Rate
		(20±3°C)	200 to 500 mg/L	(<1 NTU)	(1-2 mg/L)	(gpd)
Start	7.32	20.1	227	0.3	1.3	10
25 gallons	7.36	20.0	238	0.2	1.3	10
50 gallons	7.34	20.0	229	0.3	1.3	10
75 gallons	7.4	20.1	256	0.3	1.3	10
90 gallons	7.38	19.9	253	0.2	1.2	10
100 gallons	7.41	20.0	256	0.3	1.2	10
150 gallons	7.50	19.6	245	0.4	1.3	10
200 gallons	7.46	19.5	237	0.4	1.3	10

Report # 23-199-15-Group 1

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Test Report

IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Trimethoprim Data Summary Table

Accumulated Volume Effluent	Influent Trimethoprim (ng/L)	Effluent Trimethoprim (ng/L)	Passed/Failed
Start	143	1	Passed
25 gallons	138	1	Passed
50 gallons	142	3	Passed
75 gallons	130	10	Passed
90 gallons	149	11	Passed
100 gallons	161	15	Passed
150 gallons	155	9	Passed
200 gallons	189	<1	Passed

Trimethoprim Reporting Limit: 1 ng/L

Atenolol Data Summary Table

Accumulated Volume Effluent	Influent Atenolol (ng/L)	Effluent Atenolol (ng/L)	Passed/Failed
Start	191	3	Passed
25 gallons	181	6	Passed
50 gallons	201	4	Passed
75 gallons	201	9	Passed
90 gallons	216	14	Passed
100 gallons	223	26	Passed
150 gallons	260	20	Passed
200 gallons	192	10	Passed

Atenolol Detecting Limit: 1 ng/L

Meprobamate Data Summary Table

Accumulated Volume Effluent	Influent Meprobamate (ng/L)	Effluent Meprobamate (ng/L)	Passed/Failed
Start	374	2	Passed
25 gallons	422	1	Passed
50 gallons	413	9	Passed
75 gallons	421	29	Passed
90 gallons	366	21	Passed
100 gallons	393	31	Passed
150 gallons	379	10	Passed
200 gallons	426	9	Passed

Meprobamate Reporting Limit: 1 ng/L

Carbamazepine Data Summary Table

Accumulated Volume Effluent	Influent (ng/L)	Effluent Concentration (ng/L)	Passed/Failed
Start	1469	<10	Passed
25 gallons	1434	<10	Passed
50 gallons	1457	18	Passed
75 gallons	1469	28	Passed
90 gallons	1425	78	Passed
100 gallons	1354	65	Passed
150 gallons	1430	57	Passed
200 gallons	1484	52	Passed

Carbamazepine Reporting Limit: 10 ng/L

Report # 23-199-15-Group 1
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Test Report

IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

DEET Data Summary Table

Accumulated Volume Effluent	Influent DEET (ng/L)	Effluent DEET (ng/L)	Passed/Failed
Start	1511	3	Passed
25 gallons	1383	4	Passed
50 gallons	1359	12	Passed
75 gallons	1328	36	Passed
90 gallons	1393	68	Passed
100 gallons	1418	68	Passed
150 gallons	1486	71	Passed
200 gallons	1439	52	Passed

DEET Reporting Limit: 10 ng/L

Linuron Data Summary Table

Accumulated Volume Effluent	Influent Linuron (ng/L)	Effluent Linuron (ng/L)	Passed/Failed
Start	157	<1	Passed
25 gallons	163	<1	Passed
50 gallons	126	2	Passed
75 gallons	140	<1	Passed
90 gallons	155	<1	Passed
100 gallons	146	<1	Passed
150 gallons	158	<1	Passed
200 gallons	130	<1	Passed

Linuron Reporting Limit: 1 ng/L

Metolachlor Data Summary Table

Accumulated Volume Effluent	Influent Metolachlor (ng/L)	Effluent Metolachlor (ng/L)	Passed/Failed
Start	1388	<10	Passed
25 gallons	1501	<10	Passed
50 gallons	1438	<10	Passed
75 gallons	1295	<10	Passed
90 gallons	1385	<10	Passed
100 gallons	1351	<10	Passed
150 gallons	1571	<10	Passed
200 gallons	1326	<10	Passed

Metolachlor Reporting Limit: 10 ng/L





Test Report IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 23-199-15-Group 1
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BOROUX

NSF/ANSI Std 401 Section 7, Group 2



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 150 gallons

Date: 01/29/2024

Customer Name: James Enterprise Inc
Tested To: NSF/ANSI Std 401 Section 7, Group 2
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 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: 01/29/2024

Report # 23-199-16-Group 2
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BOROUX



Test Report

IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Standard 401 Emerging Compounds Group 2 Reduction: Passed at 150 gallons.

Manufacturer's Name: James Enterprise Inc

Sample Type: Gravity Filter

Product: R & D

Flow Rate: 10 gpd

Filter Capacity: 150 Gallons

Conditioning Procedure: Discard first batch

Cycle: 15-60 min rest between loads

Physical Description of Sample: Gravity Filter

Test Description: NSF/ANSI Std 401 Section 7, Group 2- Emerging Compound Reduction Testing Group 2

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 L

Performance Standard: NSF/ANSI Std 401 Section 7 – 2022

Pass/Fail Criteria (Emerging Compound Maximum Product Water Concentration):

TCEP passing criteria: 700 ng/L

TCPP passing criteria: 700 ng/L

Decision Rule: Pass/Fail based on simple acceptance of the analytical results above the NSF/ANSI Std limit.

Water Characteristics

Accumulated Volume Effluent	pH (7.5±0.5)	Temperature	TDS	Turbidity	TOC	Flow Rate
		(20±3°C)	(200 to 500 mg/L)	(<1 NTU)	(1-2 mg/L)	
Start	7.49	20	260	0.4	1.2	10
25 gallons	7.43	19.9	241	0.4	1.2	10
50 gallons	7.41	20.1	250	0.3	1.2	10
75 gallons	7.45	20.0	245	0.3	1.3	10
90 gallons	7.43	20.0	243	0.3	1.2	10
100 gallons	7.49	20.1	256	0.4	1.3	10
150 gallons	7.51	19.5	243	0.3	1.3	10

Report # 23-199-16-Group 2
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Test Report IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

TCEP Data Summary Table

Accumulated Volume Effluent	Influent TCEP (ng/L)	Effluent TCEP Concentration (ng/L)	Passed/Failed
Start	5177	12	Passed
25 gallons	5271	<10	Passed
50 gallons	5226	50	Passed
75 gallons	5020	96	Passed
90 gallons	4949	161	Passed
100 gallons	5140	142	Passed
150 gallons	4670	578	Passed

TCEP Reporting Limit: 10 ng/L

TCPP Data Summary Table

Accumulated Volume Effluent	Influent TCPP (ng/L)	Effluent TCPP Concentration (ng/L)	Passed/Failed
Start	5176	63	Passed
25 gallons	5253	48	Passed
50 gallons	4910	58	Passed
75 gallons	4852	127	Passed
90 gallons	4602	178	Passed
100 gallons	5196	194	Passed
150 gallons	4410	129	Passed

TCEP Reporting Limit: 10 ng/L



Test Report IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 23-199-16-Group 2
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BOROUX



BOROUX

NSF/ANSI Std 401 Section 7, Group 3



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: 01/29/2024

Customer Name: James Enterprise Inc
Tested To: NSF/ANSI Std 401 Section 7, Group 3
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 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: 01/29/2024

Report # 23-199-17-Group 3
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Test Report

IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Standard 401 Emerging Compounds Group 3 Reduction: Passed at 200 gallons.

Manufacturer's Name: James Enterprise Inc

Sample Type: Gravity Filter

Product: R & D

Flow Rate: 10 gpd

Filter Capacity: 200 Gallons

Conditioning Procedure: Discard first batch

Cycle: 15-60 min rest between loads

Physical Description of Sample: Gravity Filter

Test Description: NSF/ANSI Std 401 Section 7, Group 3- Emerging Compound Reduction Testing Group 3

Trade Designation/Model Number: BOROUX Foundation

Unit Volume: 100 L

Performance Standard: NSF/ANSI Std 401 Section 7 – 2022

Pass/Fail Criteria (Emerging Compound Maximum Product Water Concentration):

Phenytoin passing criteria: 30 ng/L

Ibuprofen passing criteria: 60 ng/L

Naproxen passing criteria: 20 ng/L

Estrone passing criteria: 20 ng/L

Bisphenol A passing criteria: 300 ng/L

Nonylphenol passing criteria: 200 ng/L

Decision Rule: Pass/Fail based on simple acceptance of the analytical results above the NSF/ANSI Std limit.

Water Characteristics

Sample Point	pH (7.5±0.5)	Temperature	TDS	Turbidity	TOC	Flow Rate
		(20±3°C)	(200 to 500 mg/L)	(<1 NTU)	(1-2 mg/L)	
Start	7.41	19.9	248	0.5	1.4	10
50%	7.38	20.0	241	0.5	1.4	10
100%	7.35	20.1	239	0.4	1.3	10
150%	7.40	20.0	250	0.4	1.3	10
180%	7.41	19.9	246	0.4	1.2	10
200%	7.39	20.0	247	0.3	1.3	10
300%	7.41	19.6	253	0.5	1.3	10
400%	7.52	19.4	251	0.5	1.3	10

Report # 23-199-17-Group 3
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Test Report IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Phenytoin Data Summary Table

Sample Point	Accumulated Volume Effluent	Influent Phenytoin (ng/L)	Effluent Phenytoin (ng/L)	Passed/Failed
10 UV	Start	201	1	Passed
50%	25 gallons	212	5	Passed
100%	50 gallons	184	1	Passed
150%	75 gallons	202	6	Passed
180%	90 gallons	205	5	Passed
200%	100 gallons	208	5	Passed
300%	150 gallons	211	3	Passed
400%	200 gallons	192	<1	Passed

Phenytoin Reporting Limit: 1 ng/L

Naproxen Data Summary Table

Sample Point	Accumulated Volume Effluent	Influent Naproxen (ng/L)	Effluent Naproxen (ng/L)	Passed/Failed
10 UV	Start	148	3	Passed
50%	25 gallons	144	4	Passed
100%	50 gallons	130	2	Passed
150%	75 gallons	134	4	Passed
180%	90 gallons	162	1	Passed
200%	100 gallons	135	5	Passed
300%	150 gallons	145	1	Passed
400%	200 gallons	136	<1	Passed

Naproxen Reporting Limit: 1 ng/L

Estrone Data Summary Table

Sample Point	Accumulated Volume Effluent	Influent Estrone (ng/L)	Effluent Estrone (ng/L)	Passed/Failed
10 UV	Start	131	8	Passed
50%	25 gallons	138	2	Passed
100%	50 gallons	155	2	Passed
150%	75 gallons	161	6	Passed
180%	90 gallons	133	3	Passed
200%	100 gallons	130	2	Passed
300%	150 gallons	141	6	Passed
400%	200 gallons	166	<1	Passed

Estrone Reporting Limit: 1 ng/L

Bisphenol A Filter #1 Data Summary Table

Sample Point	Accumulated Volume Effluent	Influent Bisphenol A (ng/L)	Effluent Bisphenol A (ng/L)	Passed/Failed
10 UV	Start	2112	<10	Passed
50%	25 gallons	2171	<10	Passed
100%	50 gallons	2137	32	Passed
150%	75 gallons	2157	29	Passed
180%	90 gallons	2262	54	Passed
200%	100 gallons	1917	115	Passed
300%	150 gallons	2184	219	Passed
400%	200 gallons	2118	134	Passed

Bisphenol A Reporting Limit: 10 ng/L

Report # 23-199-17-Group 3
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BOROUX



Test Report

IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

Ibuprofen Data Summary Table

Sample Point	Accumulated Volume Effluent	Influent Ibuprofen (ng/L)	Effluent Ibuprofen (ng/L)	Passed/Failed
10 UV	Start	410	<10	Passed
50%	25 gallons	398	<10	Passed
100%	50 gallons	424	<10	Passed
150%	75 gallons	413	13	Passed
180%	90 gallons	424	34	Passed
200%	100 gallons	460	26	Passed
300%	150 gallons	444	20	Passed
400%	200 gallons	407	53	Passed

Ibuprofen Reporting Limit: 10 ng/L

Nonylphenol Data Summary Table

Sample Point	Accumulated Volume Effluent	Influent Nonylphenol (ng/L)	Effluent Nonylphenol (ng/L)	Passed/Failed
10 UV	Start	1433	<10	Passed
50%	25 gallons	1442	<10	Passed
100%	50 gallons	1371	11	Passed
150%	75 gallons	1367	<10	Passed
180%	90 gallons	1372	11	Passed
200%	100 gallons	1447	24	Passed
300%	150 gallons	1414	29	Passed
400%	200 gallons	1342	38	Passed

Nonylphenol Reporting Limit: 10 ng/L





Test Report IAPMO R&T LAB, (NJ)



1041 Glassboro Road Suite D-1, Williamstown NJ 08094
IAPMO ID# 000102 ANAB Cert # AT 3220

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

Report # 23-199-17-Group 3
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BOROUX

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