



BIOLOGICAL CONSULTING SERVICES
OF NORTH FLORIDA, INC.

February 27th, 2017

Tom Jackson
Executive Director
Product Development/ Regulatory Affairs
563 West 500 South
Suite 340
Bountiful, Utah 84010

RE: Biological, Heavy Metal, Fluoride and Chemical filtration efficacy test study of the provided Ariix® Puritii filter units; BCS ID 1701092-1701111.

To whom it may concern,

We have conducted the requested filtration efficacy study on the filter units received on January 11th, 2016. The experimental set up and challenge of the water filter was designed to evaluate the filter's chemical removal efficacy of biological, heavy metal species, Fluoride, pesticides, volatile organic carbons (VOC) species, nitrates, high and low level Bisphenol-A (BPA), esterone, and Ibuprofen contaminant removal efficacy. It is intended to demonstrate its efficacy following conditioning and at initial use. The study was based on client's request to demonstrate the filter's initial performance to remove the stated species from water.

In the following pages, you will find a summary of the methodology used and the results of our analysis. Should you have any questions or concerns, please do not hesitate to contact me.

Best Regards,

A handwritten signature in blue ink that reads 'George Lukasik'.

George Lukasik, Ph.D.
Laboratory Director

- PAGE 1 OF 15 -

BCS LABORATORIES

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FL DOH #E82924, ISO/IEC 17025:2005 L2422 (L-A-B), EPA# FLO1147

FILE: ARIIX BIOLOGICAL, HEAVY METAL, AND CHEMICAL REMOVAL STUDY BCS 1701092-111 02.26.2017

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**LABORATORY
ACCREDITATION
BUREAU**
a division of AS9
ACCREDITED ISO/IEC 17025



Your Project #:
Your C.O.C. #: 63911

Attention: Dennis Brown
Aquamira Technologies Inc.

Report Date: 2016/07/14
Report #: R4064280
Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

MAXXAM JOB #: B6E0170
Received: 2016/07/07, 14:13

Sample Matrix: Water
Samples Received: 6

Analyses	Date		Laboratory Method	Reference
	Quantity Extracted	Date Analyzed		
PFOS and PFOA in water	6	2016/07/12	2016/07/13 CAM SOP-00894	EPA 537 m

Reference Method suffix "m" indicates test methods incorporate validated modifications from specific reference methods to improve performance.

* RPDs calculated using raw data. The rounding of final results may result in the apparent difference.

U = Undetected at the limit of quantitation.

J = Estimated concentration between the EDL & RDL.

B = Blank Contamination.

Q = One or more quality control criteria failed.

E = Analyte concentration exceeds the maximum concentration level.

K = Estimated maximum possible concentration due to ion abundance ratio failure.

Encryption Key

Please direct all questions regarding this Certificate of Analysis to your Project Manager.
Melissa DiGrazia, Project Manager - ATUT
Email: MDiGrazia@maxxam.ca
Phone# (905) 817-5700

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Maxxam has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per section 5.10.2 of ISO/IEC 17025:2005(E), signing the reports. For Service Group specific validation please refer to the Validation Signature Page.

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