



ENVIROTEK LABORATORIES, INC.

120 White Owl Trail, Mullica Hill, NJ 08062
PHONE 856-478-0010 www.enviroteklab.com
EPA ID # NJ01298 NJ DEP ID # 08012

DROPS OF BALANCE MINERAL SOLUTION ARSENIC REDUCTION TEST REPORT

Report # 14-130 (Drops of Balance Mineral Solution)

Customer Name: Drops of
Balance

Report Date: May 27, 2014

EXECUTIVE SUMMARY

A challenge water prepared with Arsenic III, at a concentration of 50 µg/L. Drops of Balance Mineral Solution was added to the solution at a concentration of 3 mL of Clarity per liter of challenge water. The solution was filtered through the Drops of Balance Ceramic Water Filtration System, then tested for Arsenic after 24, and 48 hours of adding the Clarity solution. The concentration of Arsenic decreased to non-detectable level after 48 hours.

INTRODUCTION

A challenge water prepared with Arsenic III, at a concentration of 50 µg/L. Drops of Balance Mineral Solution was added to the solution at a concentration of 3 mL of Clarity per liter of challenge water. The solution was filtered through the Drops of Balance Ceramic Water Filtration System, then tested for Arsenic after 24, and 48 hours of adding the Clarity solution. The concentration of Arsenic decreased to non-detectable level after 48 hours.

REAGENTS AND LAB EQUIPMENT

Perkin Elmer Spectrometer.
Arsenic III Standard Solution.
Drops of Balance Mineral
Solution. Drops of Balance
Ceramic Water Filtration
System

PROCEDURE

A challenge water solution was prepared with DI water and Arsenic III standard at a concentration of about 50µg/L; then added Drops of Balance Mineral Solution to the challenge water at a concentration of 3 mL of Clarity per liter of challenge water, filtered the solution through the Drops of Balance Ceramic Water Filtration System, then tested for Arsenic after 24, and 48 hours of adding the Clarity solution, following the EPA method 200.9.

RESULTS

The Arsenic concentration for the challenge water and filtered Drops of Balance Mineral Solution are summarized in the following table:

Parameter Tested	Water Solution	Drops of Balance 3 mL/L after 24 hrs.	Drops of Balance 3 mL/L after 48 hrs.
Arsenic III	56.8 µg/L	0.8 µg/L	<0.5 µg/L

CONCLUSION

The concentration of Arsenic was 0.8 µg/L after 24 of adding Drops of Balance and filtering the solution, and less than 0.5 µg/L after 48 hours of adding Drops of Balance and filtering the solution through the Drops of Balance Water Filtration System.

Jaime A. Young

Jaime A. Young
Lab Director

