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EPA ID # NJ01298 NJ DEP ID # 08012

DROPS OF BALANCE MINERAL SOLUTION LEAD REDUCTION TEST REPORT

Report # 14-130 (Drops of Balance Mineral
Solution) Customer Name: Drops of Balance
Report Date: May 19, 2014

EXECUTIVE SUMMARY

A challenge water prepared with Lead a concentration of 150 µg/L. Drops of Balance Mineral Solution was added to the solution at a concentration of 2 mL of Clarity per liter of challenge water. The solution was filtered through the Drops of Balance Ceramic Water Filtration, then tested for Lead after 24, and 48 hours of adding the Clarity solution. The concentration of Lead decreased to non- detectable levels.

INTRODUCTION

A challenge water prepared with Lead a concentration of 150 µg/L. Drops of Balance Mineral Solution was added to the solution at a concentration of 2 mL of Clarity per liter of challenge water. The solution was filtered through the Drops of Balance Ceramic Water Filtration System, then tested for Lead after 24, and 48 hours of adding the Clarity solution. The concentration of Lead decreased to non- detectable levels.

REAGENTS AND LAB EQUIPMENT

Perkin Elmer Spectrometer.
Lead 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 Lead standards at a concentration of about 150 µg/L; then added Drops of Balance Mineral Solution to the challenge water at a concentration of 2 mL of Clarity per liter of challenge water, filtered the solution through the Drops of Balance Ceramic Water Filtration System, then tested for Lead after 24, and 48 hours of adding the Clarity solution, following the EPA method 200.9.

RESULTS

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

Parameter Tested	Water Solution	Drops of Balance 2 mL/L after 24 hrs.	Drops of Balance 2 mL/L after 48 hrs.
Lead	149.5 µg/L	<2 µg/L	<2 µg/L

CONCLUSION

The concentration of Lead decreased to non-detectable levels when using the Drops of Balance mineral solution combined with the Drops of Balance Ceramic Water Filtration System.

Jaime A. Young

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