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ADYA CLARITY MINERAL SOLUTION LEAD REDUCTION TEST REPORT

Report # 14-130 (Adya Clarity Mineral Solution)
Customer Name: Adya, Inc.
Report Date: May 19, 2014

EXECUTIVE SUMMARY

A challenge water prepared with Lead a concentration of 150 µg/L. Adya Clarity 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 Adya Ceramic Filter System, then tested for Lead after 24, and 48 hours of adding the Clarity solution. The concentration of Lead decreased to non-detectable levels.

INTRODUCTION

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REAGENTS AND LAB EQUIPMENT

Perkin Elmer Spectrometer.
Lead Standard Solution.
Adya Clarity Mineral Solution.
Adya Ceramic Filter System.

PROCEDURE

A challenge water solution was prepared with DI water and Lead standards at a concentration of about 150 µg/L; then added Adya Clarity Mineral Solution to the challenge water at a concentration of 2 mL of Clarity per liter of challenge water, filtered the solution through the Adya Ceramic Filter 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 Adya Clarity Mineral Solution are summarized in the following table:

Parameter Tested	Water Solution	Clarity 2 mL/L after 24 hrs.	Clarity 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 Adya Clarity mineral solution combined with the Adya Ceramic Filter System.

Jaime A. Young
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