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VORTEXC MINERAL WATER™ SOLUTION LEAD REDUCTION TEST REPORT

Report # 17-29-(VortexC Mineral Water™ Solution)

Report Date: May 19, 2015

EXECUTIVE SUMMARY

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

INTRODUCTION

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

REAGENTS AND LAB EQUIPMENT

Perkin Elmer Spectrometer.

Lead Standard Solution.

VortexC Mineral Water™ Solution.

VortexC Mineral Water™ 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 VortexC Mineral Water™ Solution to the challenge water at a concentration of 2 mL per liter of challenge water, filtered the solution through the VortexC Mineral Water™ Ceramic Filter System, then tested for Lead after 24, and 48 hours of adding the VortexC Mineral Water™ solution, following the EPA method 200.9.

RESULTS

The Lead concentrations for the challenge water and filtered VortexC Mineral Water™ Solution are summarized in the following table:

Parameter Tested	Water Solution	VortexC Mineral Water™ 2 mL/L after 24 hrs.	VortexC Mineral Water™ 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 VortexC Mineral Water™ solution combined with the VortexC Mineral Water™ Ceramic Filter System.

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