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EPA ID # NJ01298 NJ DEP ID # 08012

H₂O TECHNOLOGY HEXAVALENT CHROMIUM SPIKED SOLUTION TEST REPORT

Report #: 12-325-1 (Purinize Mineral Solution)

Report Date: 10/24/2012

Customer Name: H₂O Technologies, Inc.

Date Sampled: 07/20/2011

Purinize Solution (1:100)

Test Parameter	Purinize Solution Results	Standard Exceeded (Yes/No)	Date of Analysis	Analytical Method	EPA Maximum Contaminant Level (MCL)
Purinize solution unspiked sample Hexavalent Chromium test					
Hexavalent Chromium	<0.5 µg/L	No	07/21/11	Standard Method 3500 CR	100 µg/L
Total Chromium	<0.5	No	07/21/11	EPA 200.9	100 µg/L

Note: The Purinize solution was prepared diluting 1 mL of Purinize in 99 mL of DI water.

Purinize Hexavalent Chromium Spiked Solution (1:100)

Test Parameter	Purinize Solution Results	Standard Exceeded (Yes/No)	Date of Analysis	Analytical Method	EPA Maximum Contaminant Level (MCL)
Purinize solution spiked with 75 µg/L of Hexavalent Chromium					
Hexavalent Chromium	<0.5 µg/L	No	07/21/11	Standard Method 3500 CR	100 µg/L
Total Chromium	74.5 µg/L	No	07/21/11	EPA 200.9	100 µg/L

Note: The Purinize solution was prepared diluting 1 mL of Purinize in 99 mL of DI water, spiked with 75 µg/L of Hexavalent Chromium. The Purinize solution converted the Hexavalent Chromium to Trivalent Chromium; the Trivalent Chromium is still in the solution.

Jaime A. Young

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