

Water Analysis Report

Sample ID

(CEC/CEA Signature)

Client Information russ@rainharvest.com Jackson, Russell 5190-D Performance Drive Cumming, GA 30040 Sample: 1 Type: Household Well	Lab Information Lab #1173 Completed: Sep 3, 2009 Printed: Sep 3, 2009	County Information Forsyth County 101 E. Maple Street Cumming, GA 30040 phone: 770-887-2418 e-mail: uge1117@uga.edu
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Results

pH: 7.8 (Desired pH range 6.5 to 8.5)

Calculated Hardness: 1 ppm (0.1 gr/gal) - Soft Water -

(Water hardness is due to the presence of certain dissolved minerals, primarily calcium and magnesium.)

Element	Concentration in Sample	EPA Maximum Level*	Element	Concentration in Sample	EPA Maximum Level*
Aluminum (Al)	negligible	0.2 ppm (S)	Nitrate-Nitrogen (NO ₃ ⁻ -N)	negligible	10.0 ppm (P)
Boron (B)	negligible	No Set Maximum			
Cadmium (Cd)	negligible	0.005 ppm (P)	Phosphate (PO ₄)	negligible	
Calcium (Ca)	0.3 ppm	No Set Maximum	Phosphorus (P)	negligible	No Set Maximum
Chloride (Cl)	0.57 ppm	250 ppm (S)	Potassium (K)	negligible	No Set Maximum
Chromium (Cr)	negligible	0.1 ppm (P)	Silica (SiO ₂)	0.58 ppm	No Set Maximum
Copper (Cu)	negligible	1.0 ppm (S)	Sodium (Na)	2.8 ppm	No Set Maximum
		1.3 ppm (P)	Sulfate (SO ₄)	1.41 ppm	250 ppm (S)
Fluoride (F)	0.03 ppm	2.0 ppm (S)	Zinc (Zn)	0.03 ppm	5.0 ppm (S)
		4.0 ppm (P)			
Iron (Fe)	0.01 ppm	0.30 ppm (S)			
Magnesium (Mg)	negligible	No Set Maximum			
Manganese (Mn)	negligible	0.05 ppm (S)			
Molybdenum (Mo)	negligible	No Set Maximum			
Nickel (Ni)	negligible	No Set Maximum			

* The letter (P) beside an EPA Maximum Level indicates that EPA has established a primary drinking water standard for this element. These are elements which have been shown to cause adverse health effects. The letter (S) indicates that EPA has established a secondary drinking water standard for this element. These elements are not generally considered threats to health, but can cause nuisance problems such as staining, tastes or odors.

ppm: Stands for parts per million. One part per million is equivalent to 1 pound of an element dissolved in 1,000,000 pounds of water. One part per million is the same as one milligram per liter (mg/L).

NOTE: This test does not imply that this water is safe from bacteria or other chemicals that may be present. If you have concerns in these areas, contact your County Extension Agent.

All elements tested are within the permissible limits established for drinking water.

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