

DRINKING WATER ANALYSIS



WATER TYPE: Municipal
 ORDERED BY: Lothar Zieger
 Erlenweg 14
 Au 8804, SWITZERLAND

LAB NUMBER: W220719-2080-1
 DATE ORDERED: 07/19/2022
 DATE COLLECTED: 08/09/2022
 DATE COMPLETED: 09/06/2022

PRIMARY EPA DRINKING WATER METALS

PRIMARY METALS	RESULT parts per billion (ppb)	ACCEPTABLE	CAUTION	UNACCEPTABLE
Arsenic (As)	< 1	X		
Copper (Cu)	10	X		
Lead (Pb)	1.6		X	
Thallium (Tl)	< 0.1	X		
Uranium (U238)	< 1	X		
Antimony (Sb)	< 0.5	X		
Barium	46	X	The EPA has not established levels for this category	
Beryllium	< 0.4	X		
Cadmium (Cd)	< 1	X		
Chromium (Cr)	< 10	X		
Mercury (Hg)	< 0.5	X		
Nickel (Ni)	5	X		
Selenium (Se)	< 10	X		

SECONDARY EPA DRINKING WATER METALS

SECONDARY METALS	RESULT parts per billion (ppb)	ACCEPTABLE	CAUTION	
Aluminum (Al)	< 10	X		The EPA has not established levels for this category
Iron (Fe)	150	X		
Manganese (Mn)	< 5	X		
Zinc (Zn)	< 50	X		

pH LEVEL

	RESULT pH unit	ACIDIC < 6.5	ACCEPTABLE 6.5 - 8.5	ALKALINE > 8.5
pH	7.5		X	

pH is a measurement of corrosivity. A pH of 7 is neutral, being neither acidic nor alkaline. pH values of less than 7 are considered acidic (the lower the pH, the more acidic) and pH values above 7 are considered alkaline (the higher the pH, the more alkaline).

INFORMATION

This test is a screen for primary and secondary metals regulated by the U.S. Environmental Protection Agency (EPA) in drinking water using analysis by ICP-MS. ICP-MS is one of the most sensitive and accurate techniques for measuring trace elements in drinking water. Please see the back of this report for definitions of terms and abbreviations and information about action levels and reference ranges.

Interpretation:

ACCEPTABLE: Levels marked in the green area are within the desirable range recommended by the EPA. These levels are considered safe to drink by the EPA.

CAUTION: Levels marked in the yellow area are higher than the desirable range recommended by the EPA, but lower than the EPA Maximum Contaminant Limit. If your drinking water contains metals with levels in the caution area you may wish to consider alternate sources or filtration.

UNACCEPTABLE: Metals marked in the red area are higher than the EPA Maximum Contaminant Limit and actionable. Consumption of water with metals at this level may affect health. Contact your municipality and/or consider alternate sources or filtration.

COMMENTS: FILTERED

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