CRYSTAL GEYSER
NATURAL
ALPINE SPRING WATER
BY CG ROXANE

Bottled Water Report

Sources of Water

Our geologists discovered remote, protected locations with spring water of remarkable quality and purity… but that was only our first step. Other companies may truck their spring water from multiple sources. We, on the other hand, build our bottling plants right at our mountain spring sources, because that's the best way to bottle and protect CRYSTAL GEYSER® ALPINE SPRING WATER®'s freshness, purity and taste.

Spring Water Sources: CG Roxane owns private, protected springs located in: Weed, California; Olancha, California; Norman, Arkansas; Benton, Tennessee; Salem, South Carolina; Moultonborough, New Hampshire; and Johnstown, New York.

Terms

"Statement of quality" – The standard (statement) of quality for bottled water is the highest level of a contaminant that is allowed in a container of bottled water, as established by the United States Food and Drug Administration (FDA) and the California Department of Public Health. The standards can be no less protective of public health than the standards for public drinking water, established by the U.S. Environmental Protection Agency (EPA) or the California Department of Public Health.

"Maximum contaminant level (MCL)" - The highest level of a contaminant that is allowed in drinking water, established by the U.S. Environmental Protection Agency (EPA) or the California Department of Public Health. Primary MCLs are set as close to the PHGs as is economically and technologically feasible.

"Public health goal (PHG)" - The level of a contaminant in drinking water below which there is no known or expected risk to health. PHGs are set by the California Environmental Protection Agency.

"Primary drinking water standard" - MCLs for contaminants established by the U.S. Environmental Protection Agency (EPA) or the California Department of Public Health that affect health along with their monitoring and reporting requirements, and water treatment requirements

"*"	Indicates that maximum levels have been exceeded, or in the case of pH, is either too high or too low
"ND"	Indicates that none of this analyte has been detected at or above the specified detection level
"MCL"	Indicates maximum contaminant level as established by US FDA for bottled water
Units	Results are reported in mg/L unless otherwise noted

ANALYSIS PERFORMED	MCL (mg/L)	BOTTLED SPRING WATER Level Found (mg/L)
Primary Inorganics		
Antimony	0.006	ND
Arsenic	0.01	ND
Asbestos	7 MFL	ND
Barium	2	0.0022
Beryllium	0.004	ND
Cadmium	0.005	ND
Chromium	0.1	ND
Cyanide	0.2	ND
Fluoride	See endnote[2]	0.24
Lead	0.005	ND
Mercury	0.002	ND
Nickel	0.1	ND
Nitrogen, Nitrate	10	ND
Nitrogen, Nitrite	1.0	ND
Nitrogen - NO3/NO2 (NOX)	10	ND
Selenium	0.05	ND
Thallium	0.002	ND
Secondary Inorganics		
Alkalinity	--	23
Aluminum	0.2	ND
Bicarbonate	--	28
Boron	--	ND
Bromide	--	0.0082
Calcium	--	8.3
Carbonate	--	ND
Chloride	250[3]	0.82
Copper	1	ND
Corrosivity	--	-2.1
Foaming Agents	--	ND
Hardness, Calcium	--	21
Hardness, Total	--	22
Hydroxide	--	ND
Iron	0.3[3]	ND
Magnesium	--	0.39
Manganese	0.05[3]	ND
Orthophosphate	--	0.12
pH	See endnote[4]	7.0
Phenol	0.001	ND
Potassium	--	ND
Silver	0.1	ND
Sodium	--	4.0
Specific Conductance	-- umho/cm	69
Sulfate	250	8.4
TDS	500[3,5]	58
Zinc	5[3]	ND

ANALYSIS PERFORMED	MCL (mg/L)	BOTTLED SPRING WATER Level Found (mg/L)
Physical		
Color	15[3] CU	ND
Odor	3[3] TON	ND
Turbidity	5 NTU	ND
Microbiological		
Total Coliform	Absence	ND
E. Coli	Absence	ND
Heterotrophic Plate Count	-- cfu/mL	ND
Radiologicals		
Gross Alpha	15 pCi/L	ND
Gross Beta	50 pCi/L[5]	ND
Radium 226/228	5 pCi/L	ND / ND
Uranium	0.030	ND
Volatile Organic Compounds EPA 524.2:		
Total Trihalomethanes	0.080	ND
tert-Amyl Methyl Ether (TAME)	--	ND
tert-Butyl-Ethyl Ether (TBEE)	--	ND
Benzene	0.005	ND
Bromobenzene	--	ND
Bromochloromethane	--	ND
Bromodichloromethane	--	ND
Bromoform	--	ND
Bromomethane	--	ND
n-Butylbenzene	--	ND
sec-Butylbenzene	--	ND
tert-Butylbenzene	--	ND
Carbon Disulfide	--	ND
Carbon Tetrachloride	0.005	ND
Chlorobenzene	0.1	ND
Chloroethane	--	ND
Chloroform	--	ND
Chloromethane	--	ND
2-Chlorotoluene	--	ND
4-Chlorotoluene	--	ND
Chlorodibromomethane	--	ND
Dibromomethane	--	ND
1,2-Dichlorobenzene	0.6	ND
1,3-Dichlorobenzene	--	ND
1,4-Dichlorobenzene	0.075	ND
Dichlorodifluoromethane	--	ND
1,1-Dichloroethane	--	ND
1,2-Dichloroethane	0.005	ND
1,1-Dichloroethylene	0.007	ND
cis-1,2-Dichloroethylene	0.07	ND
trans-1,2-Dichloroethylene	0.1	ND
1,2-Dichloropropane	0.005	ND
1,3-Dichloropropane	--	ND
2,2-Dichloropropane	--	ND
1,1-Dichloropropene	--	ND
cis-1,3-Dichloropropene	--	ND
trans-1,3-Dichloropropene	--	ND

ANALYSIS PERFORMED	MCL (mg/L)	BOTTLED SPRING WATER Level Found (mg/L)
EPA 524.2 continued:		
Di-Isopropyl Ether	--	ND
Ethylbenzene	0.7	ND
Hexachlorobutadiene	--	ND
Isopropylbenzene	--	ND
4-Isopropyltoluene	--	ND
4-Methyl-2-Pentanone (MIBK)	--	ND
Methyl tert-Butyl Ether (MTBE)	--	ND
Methyl Ethyl Ketone (MEK)	--	ND
Methylene Chloride	0.005	ND
Naphthalene	--	ND
n-Propylbenzene	--	ND
Styrene	0.1	ND
1,1,1,2-Tetrachloroethane	--	ND
1,1,2,2-Tetrachloroethane	--	ND
Tetrachloroethylene	0.005	ND
Toluene	1	ND
1,2,3-Trichlorobenzene	--	ND
1,2,4-Trichlorobenzene	0.07	ND
1,1,1-Trichloroethane	0.2	ND
1,1,2-Trichloroethane	0.005	ND
Trichloroethylene	0.005	ND
Trichlorofluoromethane	--	ND
Trichlorotrifluoroethane	--	ND
1,2,3-Trichloropropane	--	ND
1,2,4-Trimethylbenzene	--	ND
1,3,5-Trimethylbenzene	--	ND
Vinyl Chloride	0.002	ND
m+p-Xylenes	--	ND
ortho-Xylene	--	ND
Total Xylene	10	ND
Add'l Organics EPA 504.1:		
Ethylene Dibromide	0.00005	ND
Dibromochloropropane	0.0002	ND
1,2,3-Trichloropropane	0.00003	ND
EPA 505:		
Alachlor	0.002	ND
Aldrin	--	ND
Chlordane (alpha and gamma)	0.002	ND
Dieldrin	--	ND
Endrin	0.002	ND
Heptachlor	0.0004	ND
Heptachlor Epoxide	0.0002	ND
Lindane	0.0002	ND
Methoxychlor	0.04	ND
Total PCBs	0.0005	ND
PCB 1016	--	ND
PCB 1221	--	ND
PCB 1232	--	ND
PCB 1242	--	ND
PCB 1248	--	ND
PCB 1254	--	ND
PCB 1260	--	ND
Toxaphene	0.003	ND

ANALYSIS PERFORMED	MCL (mg/L)	BOTTLED SPRING WATER Level Found (mg/L)
EPA 515.4:		
Acifluorfen	--	ND
Bentazon	--	ND
2,4-D	0.07	ND
2,4-DB	--	ND
Dalapon	0.2	ND
DCPA (total Mono & Di acid degradate)	--	ND
Dicamba	--	ND
3,5-Dichlorobenzoic Acid	--	ND
Dichlorprop	--	ND
Dinoseb	0.007	ND
Pentachlorophenol	0.001	ND
Picloram	0.5	ND
2,4,5-T	--	ND
2,4,5-TP (Silvex)	0.05	ND
EPA 525.2:		
Acenaphthene	--	ND
Acenaphthylene	--	ND
Acetochlor	--	ND
Alpha-BHC	--	ND
Anthracene	--	ND
Atrazine	0.003	ND
Benz(a)Anthracene	--	ND
Benzo(a)Pyrene	0.0002	ND
Benzo(b)Fluoranthene	--	ND
Benzo(g,h,i)Perylene	--	ND
Benzo(k)Fluoranthene	--	ND
Beta-BHC	--	ND
Bromacil	--	ND
Butylbenzylphthalate	--	ND
Butachlor	--	ND
Chlordane (alpha)	0.002	ND
Chlordane (gamma)	0.002	ND
Chlorobenzilate	--	ND
Chloroneb	--	ND
Chlorothalonil	--	ND
Chlorpyrifos	--	ND
Chrysene	--	ND
Delta-BHC	--	ND
4,4-DDD	--	ND
4,4-DDE	--	ND
4,4-DDT	--	ND
Diazinon (Qualitative)	--	ND
Dichlorvos (DDVP)	--	ND
Dieldrin	--	ND
Di(2-ethylhexyl)Adipate	0.4	ND
Dibenz(a,h)Anthracene	--	ND
Di(2-ethylhexyl)Phthalate	0.006	ND
Diethylphthalate	--	ND
Dimethylphthalate	--	ND
Dimethoate	--	ND
Di-n-Butylphthalate	--	ND
Di-n-Octylphthalate	--	ND

ANALYSIS PERFORMED	MCL (mg/L)	BOTTLED SPRING WATER Level Found (mg/L)
EPA 525.2 continued:		
2,4-Dinitrotoluene	--	ND
2,6-Dinitrotoluene	--	ND
Endosulfan I (Alpha)	--	ND
Endosulfan II (Beta)	--	ND
Endosulfan Sulfate	--	ND
Endrin Aldehyde	--	ND
EPTC	--	ND
Fluoranthene	--	ND
Fluorene	--	ND
Heptachlor	0.0004	ND
Hexachlorobenzene	0.001	ND
Hexachlorocyclopentadiene	0.05	ND
Indeno(1,2,3-cd)Pyrene	--	ND
Isophorone	--	ND
Malathion	--	ND
Metolachlor	--	ND
Metribuzin	--	ND
Molinate	--	ND
Naphthalene	--	ND
trans-Nonachlor	--	ND
Parathion	--	ND
Pendimethalin	--	ND
Permethrin	--	ND
Phenanthrene	--	ND
Propachlor	--	ND
Pyrene	--	ND
Simazine	0.004	ND
Terbacil	--	ND
Terbuthylazine	--	ND
Thiobencarb	--	ND
Trifluralin	--	ND
EPA 531.2:		
Aldicarb (TEMIK)	--	ND
Aldicarb sulfone	--	ND
Aldicarb sulfoxide	--	ND
Baygon (PROPOXUR)	--	ND
Carbaryl	--	ND
Carbofuran (FURADAN)	0.04	ND
3-Hydroxycarbofuran	--	ND
Methiocarb	--	ND
Methomyl	--	ND
Oxamyl (VYDATE)	0.2	ND
EPA 547:		
Glyphosate	0.7	ND
EPA 548.1:		
Endothall	0.1	ND
EPA 549.2:		
Diquat	0.02	ND
Paraquat	--	ND

ANALYSIS PERFORMED	MCL (mg/L)	BOTTLED SPRING WATER Level Found (mg/L)
EPA 1613:		
2,3,7,8-TCDD (DIOXIN)	3x10-8	ND
Disinfection Byproducts EPA 317:		
Bromate	0.010	ND
EPA 300.1B:		
Chlorite	1.0	ND
EPA 6251B:		
Bromochloroacetic acid	--	ND
Dibromoacetic acid	--	ND
Dichloroacetic acid	--	ND
Monobromoacetic acid	--	ND
Monochloroacetic acid	--	ND
Trichloroacetic acid	--	ND
Haloacetic Acids, Total	0.060	ND
EPA 524.2:		
Total Trihalomethanes	0.080	ND
Bromodichloromethane	--	ND
Bromoform	--	ND
Chloroform	--	ND
Chlorodibromomethane	--	ND
Residual Disinfectants SM4500-CL G:		
Residual Chlorine, Free	--	ND
Residual Chlorine, Total	4.0	ND
Chloramines	4.0	ND
SM4500-ClO2-D:		
Chlorine Dioxide	0.8	ND
Miscellaneous EPA 331.0:		
Perchlorate	--	ND

EPA approved methods were used in all of the analyses and a listing is available upon request. These test results may be used for compliance purposes as required.

[1] The EPA, some State agencies and/or the IBWA may have established alternate MCLs for some of these analytes. Please refer to Federal, State and Industry codes.
[2] Fluoride MCL is determined by annual average of maximum daily air temperatures where the bottled water is sold. Refer to tables found in 21 CFR 165.
[3] Mineral water is exempt from allowable levels per 21 CFR 165.110(b)(3) and (4). The exemptions are aesthetically based allowable levels and do not relate to a health concern.
[4] MCL established by US FDA for waters that meet the US FDA definition of "Purified" is 5-7 pH Units per the USP XXIII Standards, as referenced in 21 CFR 165.
[5] The bottled water shall not contain beta particle and photon radioactivity from man-made radionuclides in excess of that which would produce an annual dose equivalent to the total body or any internal organ of 4 millirems per year calculated on the basis of an intake of 2 liters of the water per day (=50pCi/L).

Treatment Process

For the various products that we manufacture, our treatment process employs absolute micron filtration and ozonation.

Absolute Micron Filtration – to remove microbiological particles

Ozonation – a disinfection process

FDA Related Information

If you would like to know whether a particular bottled water product has been recalled or is being recalled, please visit the FDA's website:
http://www.fda.gov/Safety/Recalls/default.htm

To Obtain Further Information

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