



# 2018 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; Olancho, 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



Bottled at the Source  
**Benton, Tennessee**

**Spring Water**  
 Finished Product  
**Analysis Report 2018**

“\*\*” 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 WATER Level Found (mg/L)
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<b>Primary Inorganics</b>		
Antimony	0.006	ND
Arsenic	0.01	ND
Asbestos	7 MFL	ND
Barium	2	0.052
Beryllium	0.004	ND
Cadmium	0.005	ND
Chromium	0.1	ND
Cyanide	0.2	ND
Fluoride	See endnote <sup>2</sup>	ND
Lead	0.005	ND
Mercury	0.002	ND
Nickel	0.1	ND
Nitrogen, Nitrate	10	0.95
Nitrogen, Nitrite	1.0	ND
Nitrogen - NO3/NO2 (NOX)	10	0.95
Selenium	0.05	ND
Thallium	0.002	ND

<b>Secondary Inorganics</b>		
Alkalinity	--	100
Aluminum	0.2	ND
Bicarbonate	--	120
Boron	--	ND
Bromide	--	0.010
Calcium	--	38
Carbonate	--	ND
Chloride	250 <sup>3</sup>	2.3
Copper	1	ND
Corrosivity	--	-0.47
Foaming Agents	--	ND
Hardness, Calcium	--	95
Hardness, Total	--	110
Hydroxide	--	ND
Iron	0.3 <sup>3</sup>	ND
Magnesium	--	4.2
Manganese	0.05 <sup>3</sup>	ND
Orthophosphate	--	0.021
pH	See endnote <sup>4</sup>	7.3
Phenol	0.001	ND
Potassium	--	ND
Silver	0.1	ND
Sodium	--	2.5
Specific Conductance	-- umho/cm	230
Sulfate	250	3.2
TDS	500 <sup>3,5</sup>	140
Zinc	5 <sup>3</sup>	ND



Bottled at the Source  
Benton, Tennessee

Spring Water  
Finished Product  
Analysis Report 2018

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<b>Physical</b>		
Color	153 CU	ND
Odor	33 TON	2.0
Turbidity	5 NTU	ND
<b>Microbiological</b>		
Total Coliform	Absence	ND
Standard Plate Count	-- cfu/mL	ND
<b>Radiologicals</b>		
Gross Alpha	15 pCi/L	ND
Gross Beta	50 pCi/L5	ND
Radium 226/228	5 pCi/L	ND / ND
Uranium	0.030	ND
<b>Volatile Organic Compounds EPA 524.2:</b>		
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 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



Bottled at the Source  
Benton, Tennessee

Spring Water  
Finished Product  
Analysis Report 2018

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<b>EPA 524.2 continued:</b>		
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
<b>Add'l Organics</b>		
<b>EPA 551.1:</b>		
Ethylene Dibromide	0.00005	ND
Dibromochloropropane	0.0002	ND
<b>EPA 505:</b>		
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



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Finished Product  
Analysis Report 2018

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<b>EPA 515.4:</b>		
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
<b>EPA 525.2:</b>		
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
Caffeine	--	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



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Analysis Report 2018

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<b>EPA 525.2 continued:</b>		
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
Terbutylazine	--	ND
Thiobencarb	--	ND
Trifluralin	--	ND
<b>EPA 531.2:</b>		
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
<b>EPA 547:</b>		
Glyphosate	0.7	ND
<b>EPA 548.1:</b>		
Endothall	0.1	ND
<b>EPA 549.2:</b>		
Diquat	0.02	ND
Paraquat	--	ND



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<b>EPA 1613:</b>		
2,3,7,8-TCDD (DIOXIN)	3x10-8	ND
<b>Disinfection Byproducts</b>		
<b>EPA 317:</b>		
Bromate	0.010	ND
<b>EPA 300.1B:</b>		
Chlorite	1.0	ND
<b>EPA 6251B:</b>		
Bromochloroacetic acid	--	ND
Dibromoacetic acid	--	ND
Dichloroacetic acid	--	ND
Monobromoacetic acid	--	ND
Monochloroacetic acid	--	ND
Trichloroacetic acid	--	ND
Haloacetic Acids, Total	0.060	ND
<b>EPA 524.2:</b>		
Total Trihalomethanes	0.080	ND
Bromodichloromethane	--	ND
Bromoform	--	ND
Chloroform	--	ND
Chlorodibromomethane	--	ND
<b>Residual Disinfectants</b>		
<b>SM4500-CL G:</b>		
Residual Chlorine, Free	--	ND
Residual Chlorine, Total	4.0	ND
Chloramines	4.0	ND
<b>SM4500-CIO2-D:</b>		
Chlorine Dioxide	0.8	ND
<b>Miscellaneous</b>		
<b>EPA 314.0:</b>		
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.

<sup>1</sup> 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.

<sup>2</sup> 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.

<sup>3</sup> 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.

<sup>4</sup> 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.

<sup>5</sup> 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/EnforcementReports/default.htm>.

## To Obtain Further Information

**Postal address:**

Consumer Services, 501 Washington Street, Calistoga CA 94515

**Consumer Services Phone:**

1-800-4-GEYSER (1-800-443-9737)

**Electronic address:**

[cgroxcustserv@crystalgeyser.com](mailto:cgroxcustserv@crystalgeyser.com)

**Website address:**

[www.CrystalGeyserPlease.com](http://www.CrystalGeyserPlease.com)

