



CRYSTAL GEYSER
NATURAL
ALPINE SPRING WATER
Bottled Water Report

Sources of Water

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

Spring Water Sources: The source of our pure spring water is located at one of our protected springs; Weed, CA; Olancho, CA; Norman, AR; Benton, TN; Salem, SC; Moultonborough, NH.

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

Water Analysis Report



Spring Water
 Finished Product
Analysis Report 2011

Bottled at the Source

WEED PLANT

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	SPRING FINISHED PRODUCT (Produced from Shasta Spring Sources)
Primary Inorganics			
Antimony	0.006	0.0010	ND
Arsenic	0.01	0.0020	ND
Asbestos	7 MFL	0.19	ND
Barium	2	0.010	ND
Beryllium	0.004	0.0010	ND
Cadmium	0.005	0.0010	ND
Chromium	0.1	0.0050	ND
Cyanide	0.2	0.010	ND
Fluoride	4	0.050	0.2 – 0.3
Lead	0.015	0.0010	ND
Mercury	0.002	0.00020	ND
Nickel	0.1	0.0050	ND
Nitrogen, Nitrate	10	0.050	0.13 – 0.61
Nitrogen, Nitrite	1.0	0.050	ND
Nitrogen - NO3/NO2 (NOX)	10	0.050	0.13 – 0.61
Selenium	0.05	0.0010	ND
Thallium	0.002	0.0010	ND
Secondary Inorganics			
Alkalinity	--	5.0	45.7 – 57.2
Aluminum	0.2	0.10	ND
Bicarbonate	--	5.0	45.7 – 57.2
Boron	--	0.050	ND
Bromide	--	0.10	ND
Calcium	--	0.50	5.9 – 6.2
Carbonate	--	5.0	ND
Chloride	250	0.50	0.98 – 1.1
Copper	1	0.0050	ND
Corrosivity	--	--	[-1.7] – [-1.4]
Foaming Agents	0.5	0.20	ND
Hardness, Calcium (as CaCO3)	--	1.2	14.7 – 15.5
Hardness, Total (as CaCO3)	--	3.3	26.5 – 34.9
Hydroxide	--	5.0	ND
Iron	0.3	0.040	ND
Magnesium	--	0.50	2.7 – 4.9
Manganese	0.05	0.0050	ND
Orthophosphate	--	0.10	0.18 – 0.22
pH	6.5-8.5	0.10	7.1 – 7.4
Phenol	0.001	0.0010	ND
Potassium	--	1.0	1.3 – 1.5
Silver	0.1	0.0050	ND
Sodium	--	1.0	9.6 – 10.9
Specific Conductance	--	1.0	88.3 – 106
Sulfate	250	0.50	1.1 – 1.9
TDS	500	5.0	93 – 103
Zinc	5	0.020	ND

*This amount is in milligrams per liter (mg/L). An 8 fl oz serving contains <5 mg of sodium, and is labeled as 0 mg per serving, according to the US Food and Drug Administration. This meets the definition of a *Sodium-Free* food.



ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	SPRING FINISHED PRODUCT (Produced from Shasta Spring Sources)
Physical			
Color	15 CU	5.0	ND
Odor	3 TON	1.0	ND
Turbidity	1-5 NTU	0.20	0 – 0.20
Microbiological			
Total Coliform	Absence	Absence	ND
Standard Plate Count	-- cfu/mL	1.0	ND
E.coli	Absence	Absence	ND
Radiologicals			
Gross Alpha	15 pCi/L	1.92	All radiological results are in full compliance with all FDA and EPA standards for bottled and drinking water.
Gross Beta	50 pCi/L	2.03	
Radium 226/228	5 pCi/L	0.409 /	
Uranium	30 ug/L	0.210	
Volatile Organic Compounds			
EPA 524.2:			
Total Trihalomethanes	0.080	0.00050	ND
Benzene	0.001	0.00050	ND
Bromobenzene	--	0.00050	ND
Bromochloromethane	--	0.00050	ND
Bromodichloromethane	--	0.00050	ND
Bromoform	--	0.00050	ND
Bromomethane	--	0.00050	ND
n-Butylbenzene	--	0.00050	ND
sec-Butylbenzene	--	0.00050	ND
tert-Butylbenzene	--	0.00050	ND
Carbon tetrachloride	0.005	0.00050	ND
Chlorobenzene	0.1	0.00050	ND
Chloroethane	--	0.00050	ND
Chloroform	--	0.00050	ND
Chloromethane	--	0.00050	ND
2-Chlorotoluene	--	0.00050	ND
4-Chlorotoluene	--	0.00050	ND
Dibromochloromethane	--	0.00050	ND
Dibromomethane	--	0.00050	ND
1,2-Dichlorobenzene	0.6	0.00050	ND
1,3-Dichlorobenzene	--	0.00050	ND
1,4-Dichlorobenzene	0.075	0.00050	ND
Dichlorodifluoromethane	--	0.00050	ND
1,1-Dichloroethane	--	0.00050	ND
1,2-Dichloroethane	0.005	0.00050	ND
1,1-Dichloroethene	0.007	0.00050	ND
cis-1,2-Dichloroethene	0.07	0.00050	ND
trans-1,2-Dichloroethene	0.1	0.00050	ND
1,2-Dichloropropane	0.005	0.00050	ND
1,3-Dichloropropane	--	0.00050	ND
2,2-Dichloropropane	--	0.00050	ND
1,1-Dichloropropene	--	0.00050	ND
cis-1,3-Dichloropropene	--	0.00050	ND
trans-1,3-Dichloropropene	--	0.00050	ND
Ethylbenzene	0.7	0.00050	ND
Hexachlorobutadiene	--	0.00050	ND
Isopropylbenzene	--	0.00050	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	SPRING FINISHED PRODUCT (Produced from Shasta Spring Sources)
EPA 524.2 continued:			
4-Isopropyltoluene	--	0.00050	ND
Methyl tert-Butyl Ether	--	0.00050	ND
Methyl Ethyl Ketone	--	0.020	ND
Methylene Chloride	0.005	0.00050	ND
Naphthalene	--	0.00050	ND
n-Propylbenzene	--	0.00050	ND
Styrene	0.1	0.00050	ND
1,1,1,2-Tetrachloroethane	--	0.00050	ND
1,1,2,2-Tetrachloroethane	--	0.00050	ND
Tetrachloroethene	0.005	0.00050	ND
Toluene	1	0.00050	ND
1,2,3-Trichlorobenzene	--	0.00050	ND
1,2,4-Trichlorobenzene	0.07	0.00050	ND
1,1,1-Trichloroethane	0.2	0.00050	ND
1,1,2-Trichloroethane	0.005	0.00050	ND
Trichloroethene	0.005	0.00050	ND
Trichlorofluoromethane	--	0.00050	ND
Trichlorotrifluoroethane	--	0.00050	ND
1,2,3-Trichloropropane	--	0.00050	ND
1,2,3-Trimethylbenzene	--	0.00050	ND
1,2,4-Trimethylbenzene	--	0.00050	ND
1,3,5-Trimethylbenzene	--	0.00050	ND
Vinyl chloride	0.002	0.00050	ND
meta-Xylene \	--	0.00050	ND
ortho-Xylene - (total xylenes)	10	0.00050	ND
para-Xylene /	--	0.00050	ND
Add'l Organics			
EPA 504.1:			
Ethylene Dibromide	0.00002	0.000010	ND
Dibromochloropropane	0.0002	0.000020	ND
EPA 508.1:			
Alachlor	0.002	0.00020	ND
Atrazine	0.003	0.000099	ND
Butachlor	--	0.000099	ND
Chlordane (alpha and gamma)	0.002	0.00020	ND
Endrin	0.002	0.000099	ND
Heptachlor	0.0004	0.000039	ND
Heptachlor epoxide	0.0002	0.000020	ND
Hexachlorobenzene	0.001	0.000099	ND
Hexachlorocyclopentadiene	0.05	0.000099	ND
Lindane	0.0002	0.000020	ND
Methoxychlor	0.04	0.000099	ND
Metolachlor	--	0.000099	ND
Metribuzin	--	0.000099	ND
Total PCB's	0.0005	0.000099	ND
PCB 1016	--	0.000099	ND
PCB 1221	--	0.000099	ND
PCB 1232	--	0.000099	ND
PCB 1242	--	0.000099	ND
PCB 1248	--	0.000099	ND
PCB 1254	--	0.000099	ND
PCB 1260	--	0.000099	ND
Simazine	0.004	0.000069	ND
Toxaphene	0.003	0.00099	ND

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	SPRING FINISHED PRODUCT (Produced from Shasta Spring Sources)
EPA 515.3:			
Bentazon	0.02	0.00020	ND
2,4-D	0.07	0.00010	ND
Dalapon	0.2	0.0010	ND
Dicamba	--	0.00010	ND
Dinoseb	0.007	0.00020	ND
Pentachlorophenol	0.001	0.000040	ND
Picloram	0.5	0.00010	ND
2,4,5-TP (Silvex)	0.05	0.00020	ND
EPA 525.2:			
Aldrin	--	0.000098	ND
Benzo(a)pyrene	0.0002	0.000098	ND
2-Chlorobiphenyl	--	0.000098	ND
Dieldrin	--	0.00013	ND
Di(2-ethylhexyl)adipate	0.4	0.0016	ND
Di(2-ethylhexyl)phthalate	0.006	0.0020	ND
Dimethyl phthalate	--	0.0016	ND
Fluorene	--	0.00020	ND
Indeno(1,2,3-cd)pyrene	--	0.00020	ND
Molinate	--	0.0020	ND
trans-Nonachlor	--	0.00020	ND
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	--	0.000098	ND
2,2',3',4,6-Pentachlorobiphenyl	--	0.000098	ND
Phenanthrene	--	0.00020	ND
Propachlor	--	0.00020	ND
Pyrene	--	0.00020	ND
2,2',4,4'-Tetrachlorobiphenyl	--	0.000098	ND
Thiobencarb	--	0.0020	ND
EPA 531.1:			
Aldicarb (TEMIK)	0.007	0.0020	ND
Aldicarb sulfone	0.007	0.0020	ND
Aldicarb sulfoxide	0.007	0.0020	ND
Carbaryl	--	0.0020	ND
Carbofuran	0.04	0.0020	ND
3-Hydroxycarbofuran	--	0.0020	ND
Methiocarb	--	0.0020	ND
Methomyl	--	0.0020	ND
Oxamyl (YDATE)	0.2	0.0020	ND
EPA 547:			
Glyphosate	0.7	0.0060	ND
EPA 548.1:			
Endothall	0.1	0.0090	ND
EPA 549.2:			
Diquat	0.02	0.00040	ND
Paraquat	--	0.0020	ND
EPA 1613:			
2,3,7,8-TCDD (DIOXIN)	3x10-8	0.01x10-9	ND



ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	SPRING FINISHED PRODUCT (Produced from Shasta Spring Sources)
Disinfection Byproducts			
EPA 300.1:			
Bromate	0.010	0.0025	ND
Chlorite	1.0	0.0050	ND
EPA 552.1:			
Dibromoacetic acid	--	0.00100	ND
Dichloroacetic acid	--	0.00100	ND
Monobromoacetic acid	--	0.00100	ND
Monochloroacetic acid	--	0.00100	ND
Trichloroacetic acid	--	0.00100	ND
Haloacetic Acids, Total	0.060	0.00100	ND
Disinfection Byproducts			
EPA 524.2:			
Total Trihalomethanes	0.080	0.00050	ND
Bromodichloromethane	--	0.00050	ND
Bromoform	--	0.00050	ND
Chloroform	--	0.00050	ND
Dibromochloromethane	--	0.00050	ND
Residual Disinfectants			
SM4500-CL D:			
Residual Chlorine, Total	4.0	0.10	ND
Chloramines	4.0	0.10	ND
SM4500-ClO2-D:			
Chlorine Dioxide	0.8	0.10	ND
Miscellaneous			
EPA 314.0:			
Perchlorate	0.0020	0.001	ND
Nitrogen, Ammonia (as Nitrogen)	--	0.010	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.



Treatment Process

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

Absolute Micron Filtration – the use of a micron filter to remove microbiological particles

Ozonation – a disinfection process

FDA Related Information


FDA regulates bottled water as a food. The Federal Food, Drug, and Cosmetic Act (FFDCA) provides the FDA with broad regulatory authority over food that is introduced or delivered for introduction into interstate commerce. Under the FFDCA, manufacturers are responsible for producing safe, wholesome and truthfully labeled food products, including bottled water products. Our CRYSTAL GEYSER® ALPINE SPRING WATER™ meets or better all state and federal regulations governing bottled water products.

You can visit the United States Food and Drug Administration Website for product recall information: <http://www.fda.gov/opacom/Enforce.html>

The following statements are required under California law:

Drinking water, including bottled water, may reasonably be expected to contain at least small amounts of some contaminants. The presence of contaminants does not necessarily indicate that water poses a health risk. More information about contaminants and potential health effects can be obtained by calling the United States Food and Drug Administration, Food and Cosmetic Hotline (1-888-723-3366).

Some persons may be more vulnerable to contaminants in drinking water than the general population. Immuno-compromised persons, including, but not limited to, persons with cancer who are undergoing chemotherapy, persons who have undergone organ transplants, persons with HIV/AIDS or other immune system disorders, some elderly persons, and infants can be particularly at risk from infections. These persons should seek advice about drinking water from their health care providers. The United States Environmental Protection Agency and the Centers for Disease Control and Prevention guidelines on appropriate means to lessen the risk of infection by cryptosporidium and other microbial contaminants are available from the Safe Drinking Water Hotline (1-800-426-4791).



The sources of bottled water include rivers, lakes, streams, ponds, reservoirs, springs, and wells. As water naturally travels over the surface of the land or through the ground, it can pick up naturally occurring substances as well as substances that are present due to animal and human activity.

Substances that may be present in the source water include any of the following:

1. Inorganic substances, including, but not limited to, salts and metals, that can be naturally occurring or result from farming, urban storm water runoff, industrial or domestic wastewater discharges, or oil and gas production.
2. Pesticides and herbicides that may come from a variety of sources, including, but not limited to, agriculture, urban storm water runoff, and residential uses.
3. Organic substances that are byproducts of industrial processes and petroleum production and can also come from gas stations, urban storm water runoff, agricultural application, and septic systems.
4. Microbial organisms that may come from wildlife, agricultural livestock operations, sewage treatment plants, and septic systems.
5. Substances with radioactive properties that can be naturally occurring or be the result of oil and gas production and mining activities."

In order to ensure that bottled water is safe to drink, the United States Food and Drug Administration and the State Department of Public Health prescribe regulations that limit the amount of certain contaminants in water provided by bottled water companies.

To Obtain Further Information

Postal address:

501 Washington Street, Calistoga CA 94515

Consumer services:

1-800-4-GEYSER or 1-800-443-9737

Electronic address:

cgroxcustserv@crystalgeyser.com