



# 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



Bottled at the Source  
**Olancha Plant**

Spring Water  
 Finished Product  
**Analysis Report 2011**

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	SPRING FINISHED PRODUCT (Produced from Olancha Spring Sources)
<b>Primary Inorganics</b>			
Antimony	0.006	0.001	ND
Arsenic	0.01	0.0035	ND
Asbestos	7 MFL	0.20	ND
Barium	2	0.01	0 - 0.011
Beryllium	0.004	0.001	ND
Cadmium	0.005	0.001	ND
Chromium	0.1	0.005	ND
Cyanide	0.2	0.01	ND
Fluoride	4	0.05	0.64 - 0.69
Lead	0.015	0.001	ND
Mercury	0.002	0.0002	ND
Nickel	0.1	0.005	ND
Nitrogen, Nitrate	10	0.05	0.34 - 0.38
Nitrogen, Nitrite	1.0	0.05	ND
Nitrogen - NO3/NO2 (NOX)	10	0.05	0.34 - 0.38
Selenium	0.05	0.001	ND
Thallium	0.002	0.001	ND
<b>Secondary Inorganics</b>			
Alkalinity	--	5	59.2 - 68.9
Aluminum	0.2	0.1	ND
Bicarbonate	--	5	59.2 - 68.9
Boron	--	0.05	0.11 - 0.2
Bromide	--	0.1	ND
Calcium	--	0.5	18.8 - 23.6
Carbonate	--	5	ND
Chloride	250	0.5	2.7 - 4.2
Copper	1	0.005	ND
Corrosivity	--	--	[-2] - [-1.1]
Foaming Agents	0.5	0.2	ND
Hardness, Calcium (as CaCO3)	--	1.2	47 - 59.1
Hardness, Total (as CaCO3)	--	3.3	52.6 - 68
Hydroxide	--	5	ND
Iron	0.3	0.04	ND
Magnesium	--	0.5	1.4 - 2.2
Manganese	0.05	0.005	ND
Orthophosphate	--	0.1	ND
pH	6.5-8.5	0.1	6.3 - 7*
Phenol	0.001	0.001	ND
Potassium	--	1	1.5 - 2.1
Silver	0.1	0.005	ND
Sodium	--	1	19 - 21.8
Specific Conductance	--	1	176 - 224
Sulfate	250	1	25.5 - 35.6
TDS	500	5	130 - 161
Zinc	5	0.02	ND

MCL – “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.

RL – Indicates Laboratory Reporting Limit for analytical method.

ND – Indicates non detected.

\* The Secondary Standard Regulations are not enforced and used as a guideline for controlling aesthetic qualities of bottled water.

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



Bottled at the Source  
**Olancha Plant**

Spring Water  
 Finished Product  
**Analysis Report 2011**

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	SPRING FINISHED PRODUCT (Produced from Olancha Spring Sources)
<b>Physical</b>			
Color	15 CU	5	ND
Odor	3 TON	1	ND
Turbidity	1-5 NTU	0.2	ND
<b>Microbiological</b>			
Total Coliform	Absence	Absence	ND
Standard Plate Count	-- cfu/mL	1	ND
<b>Radiologicals</b>			
Gross Alpha	15 pCi/L	2.04	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	0.501 / 0.991	
Uranium	30 ug/L	0.210	
<b>Volatile Organic Compounds</b>			
<b>EPA 524.2:</b>			
Total Trihalomethanes	0.080	0.0005	ND
Benzene	0.001	0.0005	ND
Bromobenzene	--	0.0005	ND
Bromochloromethane	--	0.0005	ND
Bromodichloromethane	--	0.0005	ND
Bromoform	--	0.0005	ND
Bromomethane	--	0.0005	ND
n-Butylbenzene	--	0.0005	ND
sec-Butylbenzene	--	0.0005	ND
tert-Butylbenzene	--	0.0005	ND
Carbon tetrachloride	0.005	0.0005	ND
Chlorobenzene	0.1	0.0005	ND
Chloroethane	--	0.0005	ND
Chloroform	--	0.0005	ND
Chloromethane	--	0.0005	ND
2-Chlorotoluene	--	0.0005	ND
4-Chlorotoluene	--	0.0005	ND
Dibromochloromethane	--	0.0005	ND
Dibromomethane	--	0.0005	ND
1,2-Dichlorobenzene	0.6	0.0005	ND
1,3-Dichlorobenzene	--	0.0005	ND
1,4-Dichlorobenzene	0.075	0.0005	ND
Dichlorodifluoromethane	--	0.0005	ND
1,1-Dichloroethane	--	0.0005	ND
1,2-Dichloroethane	0.005	0.0005	ND
1,1-Dichloroethene	0.007	0.0005	ND
cis-1,2-Dichloroethene	0.07	0.0005	ND
trans-1,2-Dichloroethene	0.1	0.0005	ND
1,2-Dichloropropane	0.005	0.0005	ND
1,3-Dichloropropane	--	0.0005	ND
2,2-Dichloropropane	--	0.0005	ND
1,1-Dichloropropene	--	0.0005	ND
cis-1,3-Dichloropropene	--	0.0005	ND
trans-1,3-Dichloropropene	--	0.0005	ND
Ethylbenzene	0.7	0.0005	ND
Hexachlorobutadiene	--	0.0005	ND
Isopropylbenzene	--	0.0005	ND
<b>Volatile Organic Compounds</b>			

ND – Indicates non detected.



Bottled at the Source  
**Olancha Plant**

Spring Water  
 Finished Product  
**Analysis Report 2011**

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	SPRING FINISHED PRODUCT (Produced from Olancha Spring Sources)
<b>EPA 524.2 continued:</b>			
4-Isopropyltoluene	--	0.0005	ND
Methyl tert-Butyl Ether	--	0.0005	ND
Methyl Ethyl Ketone	--	0.020	ND
Methylene Chloride	0.005	0.0005	ND
Naphthalene	--	0.0005	ND
n-Propylbenzene	--	0.0005	ND
Styrene	0.1	0.0005	ND
1,1,1,2-Tetrachloroethane	--	0.0005	ND
1,1,2,2-Tetrachloroethane	--	0.0005	ND
Tetrachloroethene	0.005	0.0005	ND
Toluene	1	0.0005	ND
1,2,3-Trichlorobenzene	--	0.0005	ND
1,2,4-Trichlorobenzene	0.07	0.0005	ND
1,1,1-Trichloroethane	0.2	0.0005	ND
1,1,2-Trichloroethane	0.005	0.0005	ND
Trichloroethene	0.005	0.0005	ND
Trichlorofluoromethane	--	0.0005	ND
Trichlorotrifluoroethane	--	0.0005	ND
1,2,3-Trichloropropane	--	0.0005	ND
1,2,3-Trimethylbenzene	--	0.0005	ND
1,2,4-Trimethylbenzene	--	0.0005	ND
1,3,5-Trimethylbenzene	--	0.0005	ND
Vinyl chloride	0.002	0.0005	ND
meta-Xylene \	--	0.0005	ND
ortho-Xylene - (total xylenes)	10	0.0005	ND
<b>Add'l Organics</b>			
<b>EPA 504.1:</b>			
Ethylene Dibromide	0.00002	0.0000099	ND
Dibromochloropropane	0.0002	0.00002	ND
<b>EPA 508.1:</b>			
Alachlor	0.002	0.0002	ND
Atrazine	0.003	0.0001	ND
Butachlor	--	0.0001	ND
Chlordane (alpha and gamma)	0.002	0.0002	ND
Endrin	0.002	0.00001	ND
Heptachlor	0.0004	0.00004	ND
Heptachlor epoxide	0.0002	0.00002	ND
Hexachlorobenzene	0.001	0.0001	ND
Hexachlorocyclopentadiene	0.05	0.0001	ND
Lindane	0.0002	0.00002	ND
Methoxychlor	0.04	0.0001	ND
Metolachlor	--	0.0001	ND
Metribuzin	--	0.0001	ND
Total PCBs	0.0005	0.0001	ND
PCB 1016	--	0.0001	ND
PCB 1221	--	0.0001	ND
PCB 1232	--	0.0001	ND
PCB 1242	--	0.0001	ND
PCB 1248	--	0.0001	ND
PCB 1254	--	0.0001	ND
PCB 1260	--	0.0001	ND
Simazine	0.004	0.00007	ND
Toxaphene	0.003	0.001	ND

ND – Indicates non detected.



Bottled at the Source  
**Olancha Plant**

Spring Water  
 Finished Product  
**Analysis Report 2011**

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	SPRING FINISHED PRODUCT (Produced from Olancha Spring Sources)
<b>EPA 515.3:</b>			
Bentazon	0.02	0.0002	ND
2,4-D	0.07	0.0001	ND
Dalapon	0.2	0.001	ND
Dicamba	--	0.0001	ND
Dinoseb	0.007	0.0002	ND
Pentachlorophenol	0.001	0.00004	ND
Picloram	0.5	0.0001	ND
2,4,5-TP (Silvex)	0.05	0.0002	ND
<b>EPA 525.2:</b>			
Aldrin	--	0.0001	ND
Benzo(a)pyrene	0.0002	0.0001	ND
2-Chlorobiphenyl	--	0.0001	ND
Dieldrin	--	0.00013	ND
Di(2-ethylhexyl)adipate	0.4	0.0016	ND
Di(2-ethylhexyl)phthalate	0.006	0.002	ND
Dimethyl phthalate	--	0.0016	ND
Fluorene	--	0.0002	ND
Indeno(1,2,3-cd)pyrene	--	0.0002	ND
Molinate	--	0.002	ND
trans-Nonachlor	--	0.0002	ND
2,2',3,3',4,5',6,6'-Octachlorobiphenyl	--	0.0001	ND
2,2',3',4,6-Pentachlorobiphenyl	--	0.0001	ND
Phenanthrene	--	0.0002	ND
Propachlor	--	0.0002	ND
Pyrene	--	0.0002	ND
2,2',4,4'-Tetrachlorobiphenyl	--	0.0001	ND
Thiobencarb	--	0.002	ND
<b>EPA 531.1:</b>			
Aldicarb (TEMIK)	0.007	0.002	ND
Aldicarb sulfone	0.007	0.002	ND
Aldicarb sulfoxide	0.007	0.002	ND
Carbaryl	--	0.002	ND
Carbofuran	0.04	0.002	ND
3-Hydroxycarbofuran	--	0.002	ND
Methiocarb	--	0.002	ND
Methomyl	--	0.002	ND
Oxamyl (VYDATE)	0.2	0.002	ND
<b>EPA 547:</b>			
Glyphosate	0.7	0.006	ND
<b>EPA 548.1:</b>			
Endothall	0.1	0.009	ND
<b>EPA 549.2:</b>			
Diquat	0.02	0.0004	ND
Paraquat	--	0.0004	ND
<b>EPA 1613:</b>			
2,3,7,8-TCDD (DIOXIN)	3x10-8	5.0x10-9	ND

ND – Indicates non detected.



Bottled at the Source  
Olancha Plant

Spring Water  
Finished Product  
Analysis Report 2011

ANALYSIS PERFORMED	MCL (mg/L)	RL (mg/L)	SPRING FINISHED PRODUCT (Produced from Olancha Spring Sources)
<b>Disinfection Byproducts</b>			
<b>EPA 300.1:</b>			
Bromate	0.010	0.0025	ND
Chlorite	1.0	0.005	ND
<b>EPA 552.1:</b>			
Dibromoacetic acid	--	0.001	ND
Dichloroacetic acid	--	0.001	ND
Monobromoacetic acid	--	0.001	ND
Monochloroacetic acid	--	0.001	ND
Trichloroacetic acid	--	0.001	ND
Haloacetic Acids, Total	0.060	0.001	ND
<b>EPA 524.2:</b>			
Total Trihalomethanes	0.080	0.0005	ND
Bromodichloromethane	--	0.0005	ND
Bromoform	--	0.0005	ND
Chloroform	--	0.0005	ND
Dibromochloromethane	--	0.0005	ND
<b>Residual Disinfectants</b>			
<b>SM4500-CL D:</b>			
Residual Chlorine, Total	4.0	0.1	ND
Chloramines	4.0	0.1	ND
<b>SM4500-CIO2-D:</b>			
Chlorine Dioxide	0.8	0.1	ND

ND – Indicates non detected.

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 betters 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](mailto:cgroxcustserv@crystalgeyser.com)