



2019-2020 Water Quality Report

As part of our ongoing commitment to responsible business, transparency, and service to our customers, Earth2O is happy to provide this detailed report on the quality of our water and processes.



The Sweetwater Company
1-800-451-2464
www.Earth2O.com
Culver, OR 97734



2019-2020

Water Quality Report

Opal Springs (Latitude 44.490716, Longitude -121.297266)

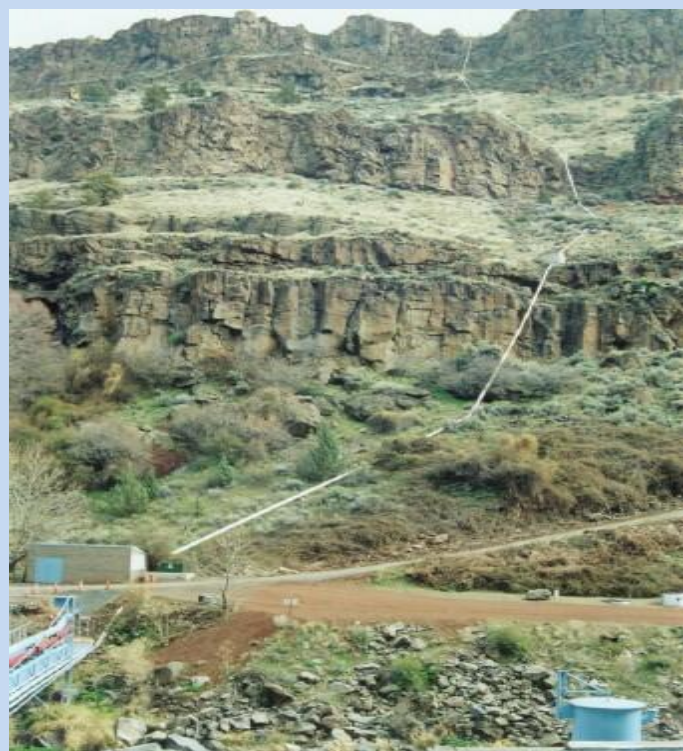
The only source of every drop of water we use



A source of clean, pure, ready-to-drink spring water 5 miles from the Earth2O manufacturing plant. Water from Opal Springs is pumped from wells at the spring to Earth2O by [Deschutes Valley Water District](#), who also provides Opal Springs water to residents of Jefferson County, OR.

The artesian spring is at the bottom of the 850 foot deep Crooked River canyon, less than 150 feet from the river. The wells range from 513-750 feet deep.

The spring flows at approximately 108,000 gallons per minute at about 53° Fahrenheit with no seasonal variation. There has been no detectable change in flow or temperature since the spring was first tested in 1925. Water from the spring flows out of the ground and quickly joins the Crooked River.



Information on testing frequencies and EPA regulation status of the spring and DVWD can be found at [Oregon Public Health Drinking Water Data Online](#). DVWD has the public water system ID OR41 00501.

From Spring to Bottle

How our waters are collected and bottled.



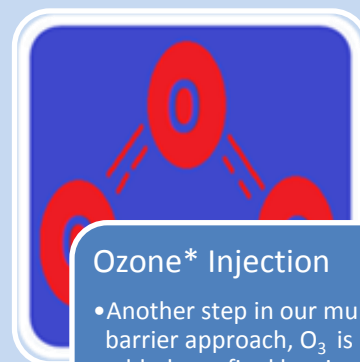
Source

- DVWD collects and distributes spring water under EPA regulation and monitoring.
- DVWD does not use fluoride or chlorine to treat the water they distribute from Opal Springs



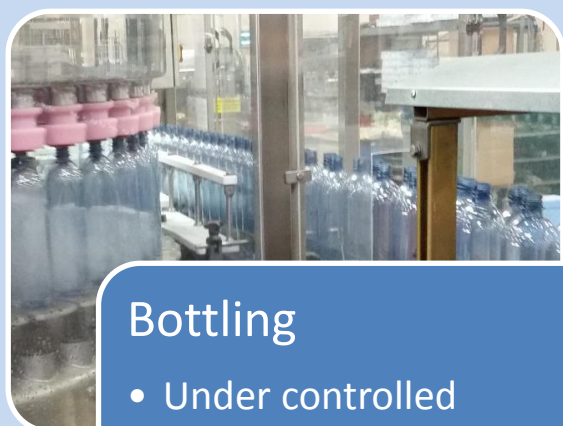
Ultraviolet Light (UV) Exposure

- Part of our multi-barrier approach to ensure that no matter what, our water is safe to drink and will last on the shelf.



Ozone* Injection

- Another step in our multi-barrier approach, O₃ is added as a final barrier for bacteria.



Bottling

- Under controlled conditions, bottles are filled by automated equipment. This is the first time our water sees light!



Casing/Storage

- Bottles are wrapped in cases for transport, and stored in our secure warehouse until sold.

*What is ozone? A reactive form of oxygen that destroys bacteria. Ozone has a half-life of 20-30 minutes, and turns back into regular oxygen by the time the water leaves our building.

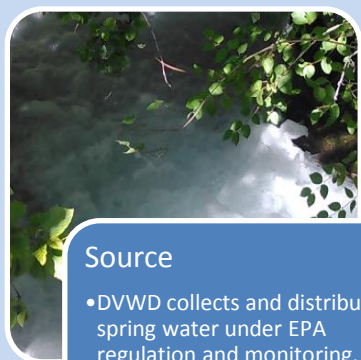


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Flavored water beverages

How our flavored products are manufactured and bottled.



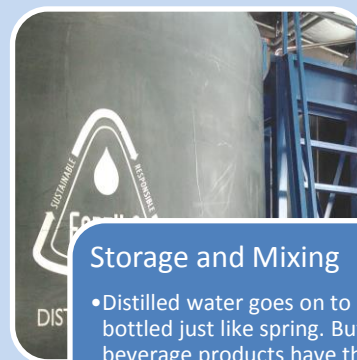
Source

- DVWD collects and distributes spring water under EPA regulation and monitoring.
- DVWD does not use fluoride or chlorine to treat the water they distribute from Opal Springs, and neither does Earth2O



Softening and Demineralization

- Once at our facility, the water undergoes a demineralization process (like vapor distillation) to remove the natural minerals found in the spring.



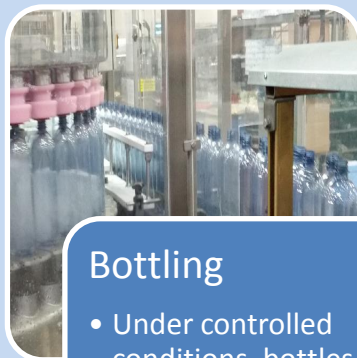
Storage and Mixing

- Distilled water goes on to be bottled just like spring. But beverage products have their ingredients mixed in large tanks, or added in small doses just before filling.



Macrofiltration

- Any particulates that did not dissolve during the mixing process are removed from the water with large-pore filters.



Bottling

- Under controlled conditions, bottles are filled by automated equipment.

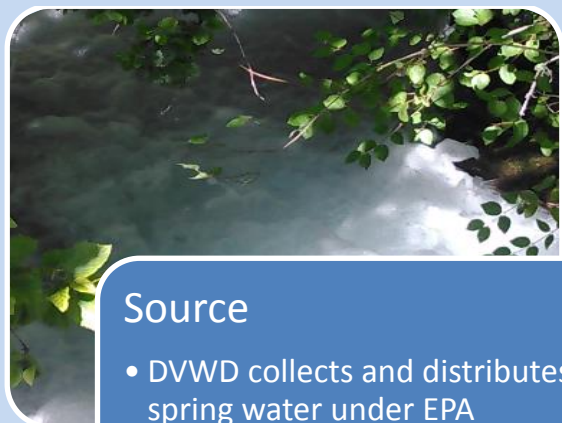


Casing/Storage

- Bottles are wrapped in cases for transport, and stored in our secure warehouse until sold.

Alkaline (high pH) water

How our alkaline water products are manufactured and bottled.



Source

- DVWD collects and distributes spring water under EPA regulation and monitoring.
- DVWD does not use fluoride or chlorine to treat the water they distribute from Opal Springs, and neither does Earth₂O



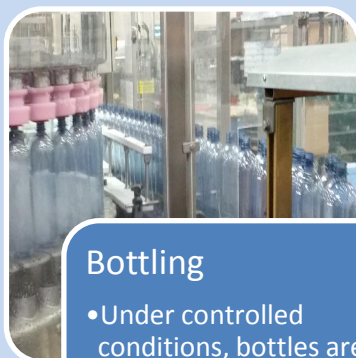
Mixing

- Added minerals that bring the pH over 9.5 are mixed into our spring water.



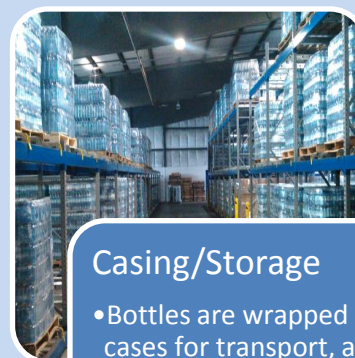
Ultraviolet Light (UV) Exposure

- Part of our multi-barrier approach to ensure that no matter what, our water is safe to drink and will last on the shelf.



Bottling

- Under controlled conditions, bottles are filled by automated equipment.



Casing/Storage

- Bottles are wrapped in cases for transport, and stored in our secure warehouse until sold.

What is [ultraviolet light](#) exposure? Ultraviolet light is outside the visible spectrum of light, and is projected through the water as it flows by to kill germs.



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100% Post Consumer Recycled PET

One of our proudest achievements. All of our single-serve PET bottles are made right here in Culver with 100% post-consumer recycled PET. The bottles we sell can then be recycled again, repeating the process.



Bottles are collected by the state

- PET bottles from beverages and water are returned for recycling as part of state redemption programs ("bottle bills"). This provides the raw material for recycled plastic.



Recyclable plastics are sorted, ground, and washed

- Different types of plastic are sorted out and ground into "flake", which can be further processed.



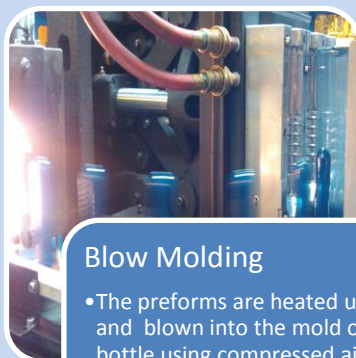
Repolymerization and Pelletizing

- The flakes are melted down, bringing the short chains of plastic polymers back together so that they'll act like brand new plastic. The final product is small pellets of ready-for-use rPET.



Injection Molding: Preforms

- The rPET pellets are delivered to Earth2O, dried and melted at 250°C to form into "Preforms" of various sizes. These preforms will be turned into bottles in the next step.



Blow Molding

- The preforms are heated up and blown into the mold of a bottle using compressed air at 180-580 PSI. Each bottle is inspected by hand before being stacked for use.



Storage

- Until ready for use, the bottles are stored in our secure warehouse.

*Single serve bottles are the 12oz, 16.9oz, 20oz, and 1L PET bottles. We also blow mold many of our 5 gallon containers in-house.



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Water Quality Report

The Bottles

Just as important as the quality and purity of your water is the quality of the bottle you put it in! We're proud of our packaging from start to finish and are always innovating to bring you better bottles. To learn more about the impact on plastics and the environment, check out the [reports from the EPA](#).



100% Recycled PET bottles

Manufactured entirely at Earth2O, these bottles are made from [Polyethylene Terephthalate](#) (shortened to PET or PETE). PET has the [recycling number](#) 1 and is one of the most commonly recycled plastics. We take pride in the fact that our bottles help reduce landfill waste without sacrificing sturdiness or quality.

Why blue? When using 100% recycled plastic, finished bottles can sometimes have minor discoloration compared to brand new plastic. To avoid this discoloration, we add a small amount of blue dye to our bottles. This does not change the recyclability of the PET used in our bottles, and they can be recycled back into "clear" rPET.

The caps of these bottles are made of HDPE (see below). This material is very recyclable and is used to make similar containers, however you should contact your local collection service to see if they have the ability to recycle caps or not.



1 gallon and 2.5 gallon HDPE bottles

These bottles are made from [High Density Polyethylene](#) (shortened to HDPE). HDPE has the recycling number 2 and is one of the most commonly recycled plastics.

HDPE has a long history of use in the dairy industry for its high strength-to-weight ratio, and is used for many liquid containers found in the supermarket. When used for beverages like water, HDPE can take on the flavors of the surrounding air, so it is important not to store containers of water in areas with strong odors (like garlic in a pantry, working garages, or anywhere else with odors).

The caps of these bottles are made of [low density polyethylene](#) (LDPE), a material very similar to HDPE but with more flexibility which allows them to seal and be easily removed. As with all container lids, you should contact your local collection service to see if they have the ability to recycle them.



5 gallon reusable PET bottles

While we once used a mixture of PET and [Polycarbonate](#) bottles, Earth2O has nearly completed the transition to all PET 5 gallon bottles, many of which are blown from preforms here on site!

These bottles can last for years and are very environmentally friendly not only from being 100% recyclable, but extremely reusable. After each use, the bottles are washed and sanitized before being refilled with fresh Earth2O spring water.

The caps of these bottles are made of LDPE. The remaining portion of the cap that is returned to Earth2O is recycled after being removed from the bottle through a partnership with a local recycler.

What about **BPA** (Bisphenol-A)?

The plastics we currently use at Earth2O are PET and HDPE, which fall under recycling numbers 1 and 2. BPA is used as the building block for Polycarbonate, a different, stiffer plastic that is used primarily for 5 gallon containers and some reusable bottles. Polycarbonate is marked by recycling number 7, and *can* be produced without BPA; however, bottles produced by any company marked with a 1 or 2, and therefore made with PET or HDPE, have never contained BPA because it's not used to make them. So drink up!

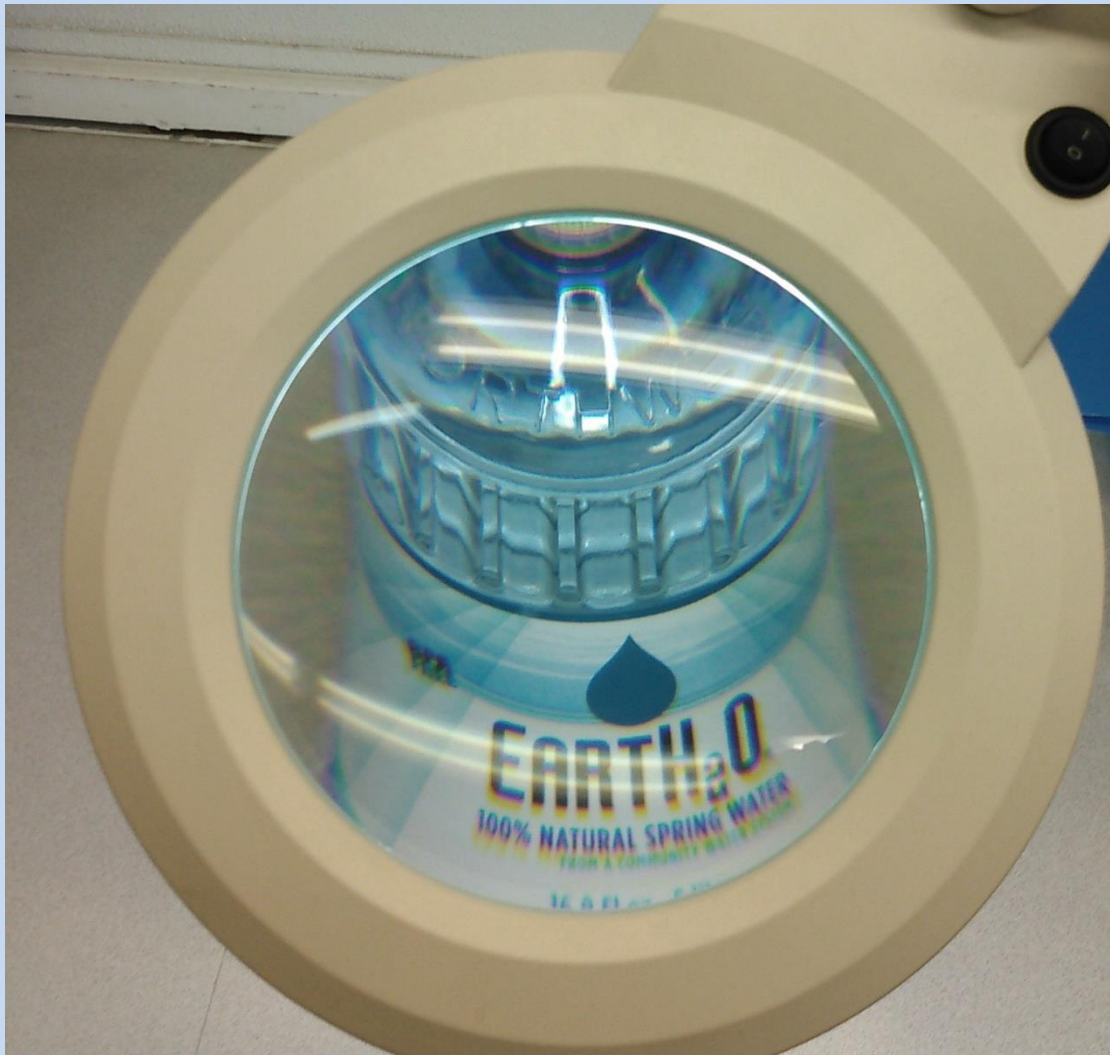


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Quality Assurance

You can't just pour water into a bottle and sell it! Not only is bottled water regulated by state and federal governments, when you serve millions of bottles per year you have a responsibility to make sure that the water is safe and wholesome.



How is what we do different from tap water? While tap water just needs to go into a home or glass to be drank immediately, our water needs to stay fresh in a bottle for up to two years! If you've ever tried water left in your bicycle's water bottle since last summer, you know things don't always taste "fresh" just because it was inside a bottle.



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Our Mission: Not just meet, but to exceed expectations

Legally, bottled water needs to comply with regulations set by the FDA and the states that it is produced and sold in. Meet those requirements, and you are allowed by law to sell bottled water nationwide.

We think safety and quality should go beyond what you're "legally" supposed to do.

Since 2011, EarthH2O has been audited under the Safe Quality Food code, at its highest level of certification (3).

Why do we think this is so important?

In November 2016, the Oregon Secretary of State audited the Oregon Department of Agriculture's (ODA) Food safety program and found that there were 2,841 firms that were late for an inspection (out of ~12,000) ([Atkins, 2016](#)). Not only does this mean that some facilities didn't get inspected as often as they were supposed to legally, but some small businesses may not be inspected at all:

"The program is also at risk of overlooking some businesses that are operating without a license. Currently, ODA relies on new businesses to contact them to obtain a license. But for businesses that may not, there is no formal policy or procedure to proactively identify them."

Nor did they know how long it had been since they visited some businesses:

"...the program has not been keeping track of these data and is unable to say how many firms were past due a year ago or five years ago"

So the government at the state level isn't meeting its commitments to the public by inspecting and enforcing the law; why would SQF be any different?

- Rather than just the state or federal government, The SQF standard is recognized by the Global Food Safety Initiative, an international independent standard for food safety.
- To maintain our certification, we are regularly audited against the requirements of the code. Sometimes by appointment, sometimes through unannounced inspection.
 - NSF international is then itself audited by SQF to make sure that inspectors are enforcing the code correctly and without bias, something the state admits it has not been doing as of 11-2016.
- Audits occur annually without delay, while ODA/FDA audits occur every 1-3 years.
- Each audit forces us to make continuous improvement of our food safety and quality programs, and prove that the changes we made were effective.





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Complete Analysis

Each year, we submit a sample from our source (Opal Springs), a finished bottle of spring water, and a finished bottle of distilled water out for a complete analysis of all the trace contaminants and minerals relevant to bottled water. We are proud to share the results with you so that you can evaluate our product to determine if it meets your needs.

Our annual analysis was carried out by [Edge Analytical](#), an [ORELAP](#) accredited lab.

More information about different contaminants listed below can be obtained by calling the FDA Food and Cosmetic Hotline at 1-888-723-3366. The EPA also has a helpful [FAQ](#) regarding bottled water and its regulation (published in 2005, additional regulations have been placed in effect since publication), and in addition to the regulations themselves, FDA has several [webpages](#) that discuss bottled water.

Water Characteristics

Our most frequently requested test results.

Test	Unit of Measure	Method Detection Limit	Standard of Quality (legal limits where applicable)	Opal Springs Water from DVWD	Bottled EarthH2O Spring Water	Bottled EarthH2O Distilled Water
Calcium	mg/L	0.009		5.36	5.8	Not Detected
Magnesium	mg/L	0.001		5.37	5.83	Not Detected
Sodium	mg/L	0.05		11.4	12.2	Not Detected
Potassium	mg/L	0.1		2.04	1.8	Not Detected
Electrical Conductivity	uS/cm	0	700	124	124	Not Detected
Arsenic	mg/L	0.0005	0.01	0.002	0.002	Not Detected
Fluoride	mg/L	0.0072	2	Not Detected	0.1	Not Detected
Lead	mg/L	0.000091	0.005	Not Detected	Not Detected	Not Detected
Sulfate	mg/L	0.0497	250	1.1	1.1	Not Detected
Total Dissolved Solids (TDS)	mg/L	0	500	95	98	Not Detected
Glyphosate	ug/L	2	700	Not Detected	Not Detected	Not Detected
Hydrogen Ion (pH)	pH Units	0		8.22	8.14	5.93
Free Chlorine Residual	mg/L	0.01	0.1	Not Detected	Not Detected	Not Detected
Hardness	mg CaCO3/L	0.01		35.5	38.5	Not Detected
Alkalinity	mg CaCO3/L	0		58.3	58.7	Not Detected



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Complete Analysis

163 different chemicals tested to help you determine if our water fits your needs.

Standard of Quality values set by FDA bottled water limits, EPA limits, state limits, and non-enforceable recommendations.

For questions regarding a specific contaminant, EPA has published a [helpful table](#) online detailing what the contaminant is, how it gets into drinking water, and what the potential health effects are.

The following samples were submitted this year for analysis:

Opal Springs Water from DVWD 1/14/2019
Bottled Earth2O Spring Water 01/03/2019
Bottled Earth2O Distilled Water 01/03/19

Test	Unit of Measure	Method Detection Limit	Standard of Quality (legal limits where applicable)	Opal Springs Water from DVWD	Bottled Earth2O Spring Water	Bottled Earth2O Distilled Water
Calcium	mg/L	0.009		5.36	5.8	Not Detected
Magnesium	mg/L	0.001		5.37	5.83	Not Detected
Sodium	mg/L	0.05		11.4	12.2	Not Detected
Potassium	mg/L	0.1		2.04	1.8	Not Detected
Electrical Conductivity	uS/cm	0	700	124	124	Not Detected
Bromide	mg/L	0.00054		0.009	Not Detected	Not Detected
Cyanide, Free	mg/L	0.0019	0.2	Not Detected	Not Detected	Not Detected
Antimony	mg/L	0.00040	0.006	Not Detected	Not Detected	Not Detected
Arsenic	mg/L	0.0005	0.01	0.002	0.002	Not Detected
Barium	mg/L	0.000110	1	0.002	0.002	Not Detected
Beryllium	mg/L	0.00012	0.004	Not Detected	Not Detected	Not Detected
Cadmium	mg/L	0.000090	0.005	Not Detected	Not Detected	Not Detected
Chromium	mg/L	0.000360	0.05	Not Detected	Not Detected	Not Detected
Fluoride	mg/L	0.0072	2	Not Detected	0.1	Not Detected
Lead	mg/L	0.000091	0.005	Not Detected	Not Detected	Not Detected
Mercury	mg/L	0.0000190	0.001	Not Detected	Not Detected	Not Detected
Nickel	mg/L	0.000100	0.1	Not Detected	Not Detected	Not Detected
Nitrate-N	mg/L	0.0236	10	0.15	0.24	Not Detected
Nitrite-N	mg/L	0.0203	1	Not Detected	Not Detected	Not Detected
Total Nitrate/Nitrite	mg/L	0.0294	10	0.15	0.24	Not Detected
Selenium	mg/L	0.00022	0.01	Not Detected	Not Detected	Not Detected
Thallium	mg/L	0.000100	0.002	Not Detected	Not Detected	Not Detected
Aluminum	mg/L	0.004	0.2	Not Detected	Not Detected	Not Detected
Chloride	mg/L	0.0223	250	1.5	1.8	Not Detected
Copper	mg/L	0.00007	1	Not Detected	Not Detected	Not Detected
Iron	mg/L	0.0012	0.3	Not Detected	Not Detected	Not Detected
Manganese	mg/L	0.00021	0.05	Not Detected	Not Detected	Not Detected



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Test	Unit of Measure	Method Detection Limit	Standard of Quality (legal limits where applicable)	Opal Springs Water from DVWD	Bottled Earth2O Spring Water	Bottled Earth2O Distilled Water
Silver	mg/L	0.000500	0.025	Not Detected	Not Detected	Not Detected
Sulfate	mg/L	0.0497	250	1.1	1.1	Not Detected
Total Dissolved Solids (TDS)	mg/L	0	500	95	98	Not Detected
Zinc	mg/L	0.00079	5	Not Detected	Not Detected	Not Detected
1,1 - Dichloroethylene	ug/L	0.21	2	Not Detected	Not Detected	Not Detected
1,1,1 - Trichloroethane	ug/L	0.31	30	Not Detected	Not Detected	Not Detected
1,1,2 - Trichloroethane	ug/L	0.15	5	Not Detected	Not Detected	Not Detected
1,2 - Dichloroethane	ug/L	0.08	2	Not Detected	Not Detected	Not Detected
1,2 - Dichloropropane	ug/L	0.09	5	Not Detected	Not Detected	Not Detected
1,2,4 - Trichlorobenzene	ug/L	0.06	9	Not Detected	Not Detected	Not Detected
Benzene	ug/L	0.13	1	Not Detected	Not Detected	Not Detected
Carbon Tetrachloride	ug/L	0.23	2	Not Detected	Not Detected	Not Detected
Cis - 1,2 - Dichloroethylene	ug/L	0.11	70	Not Detected	Not Detected	Not Detected
Trans - 1,2 - Dichloroethylene	ug/L	0.17	100	Not Detected	Not Detected	Not Detected
Ethylbenzene	ug/L	0.11	700	Not Detected	Not Detected	Not Detected
Dichloromethane	ug/L	0.06	3	Not Detected	Not Detected	Not Detected
Monochlorobenzene	ug/L	0.08	50	Not Detected	Not Detected	Not Detected
O - Dichlorobenzene	ug/L	0.04	600	Not Detected	Not Detected	Not Detected
P - Dichlorobenzene	ug/L	0.08	75	Not Detected	Not Detected	Not Detected
Styrene	ug/L	0.03	100	Not Detected	Not Detected	Not Detected
Tetrachloroethylene	ug/L	0.21	1	Not Detected	Not Detected	Not Detected
Toluene	ug/L	0.12	1000	Not Detected	Not Detected	Not Detected
Trichloroethylene	ug/L	0.15	1	Not Detected	Not Detected	Not Detected
Vinyl Chloride	ug/L	0.18	2	Not Detected	Not Detected	Not Detected
Xylenes (Total)	ug/L	0.36	1000	Not Detected	Not Detected	Not Detected
2,4 - D	ug/L	0.09	70	Not Detected	Not Detected	Not Detected
2,4,5 - Tp (Silvex)	ug/L	0.04	10	Not Detected	Not Detected	Not Detected
3-Hydroxycarbofuran	ug/L	0.2		Not Detected	Not Detected	Not Detected
Alachlor	ug/L	0.1	2	Not Detected	Not Detected	Not Detected
Aldicarb	ug/L	0.3		Not Detected	Not Detected	Not Detected
Aldicarb Sulfone	ug/L	0.3		Not Detected	Not Detected	Not Detected
Aldicarb Sulfoxide	ug/L	0.3		Not Detected	Not Detected	Not Detected
Aldrin	ug/L	0.1		Not Detected	Not Detected	Not Detected
Atrazine	ug/L	0.04	3	Not Detected	Not Detected	Not Detected
Benzo(A)Pyrene	ug/L	0.01	0.2	Not Detected	Not Detected	Not Detected
Butachlor	ug/L	0.03		Not Detected	Not Detected	Not Detected



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Test	Unit of Measure	Method Detection Limit	Standard of Quality (legal limits where applicable)	Opal Springs Water from DVWD	Bottled Earth2O Spring Water	Bottled Earth2O Distilled Water
Carbaryl	ug/L	0.2		Not Detected	Not Detected	Not Detected
Carbofuran	ug/L	0.5	40	Not Detected	Not Detected	Not Detected
Chlordane	ug/L	0.06	0.5	Not Detected	Not Detected	Not Detected
Dalapon	ug/L	0.2	200	Not Detected	Not Detected	Not Detected
Di(Ethylhexyl)-Adipate	ug/L	0.05	400	Not Detected	Not Detected	Not Detected
Di(Ethylhexyl)-Phthalate	ug/L	0.5	6	Not Detected	Not Detected	Not Detected
1,2-Dibromo-3-Chloropropane (Dbcp)	ug/L	0.009	0.2	Not Detected	Not Detected	Not Detected
Dicamba	ug/L	0.04		Not Detected	Not Detected	Not Detected
Dieldrin	ug/L	0.04		Not Detected	Not Detected	Not Detected
Dinoseb	ug/L	0.1	7	Not Detected	Not Detected	Not Detected
Dioxin (2,3,7,8-Tetrachlorodibenzo-P-Dioxin)	pg/L	1.24	30	Not Detected	Not Detected	Not Detected
Diquat	ug/L	0.08	20	Not Detected	Not Detected	Not Detected
Endothall	ug/L	3	100	Not Detected	Not Detected	Not Detected
Endrin	ug/L	0.01	0.2	Not Detected	Not Detected	Not Detected
1,2 - Dibromoethane (Edb)	ug/L	0.008	0.05	Not Detected	Not Detected	Not Detected
Glyphosate	ug/L	2	700	Not Detected	Not Detected	Not Detected
Heptachlor	ug/L	0.02	0.4	Not Detected	Not Detected	Not Detected
Heptachlor Epoxide "B"	ug/L	0.01	0.2	Not Detected	Not Detected	Not Detected
Hexachlorobenzene	ug/L	0.03	1	Not Detected	Not Detected	Not Detected
Hexachlorocyclo-Pentadiene	ug/L	0.08	50	Not Detected	Not Detected	Not Detected
Lindane (Bhc - Gamma)	ug/L	0.01	0.2	Not Detected	Not Detected	Not Detected
Methomyl	ug/L	0.2		Not Detected	Not Detected	Not Detected
Methoxychlor	ug/L	0.02	40	Not Detected	Not Detected	Not Detected
Metolachlor	ug/L	0.02		Not Detected	Not Detected	Not Detected
Metribuzin	ug/L	0.05		Not Detected	Not Detected	Not Detected
Oxamyl (Vydate)	ug/L	0.2	200	Not Detected	Not Detected	Not Detected
Pentachlorophenol	ug/L	0.01	1	Not Detected	Not Detected	Not Detected
Picloram	ug/L	0.07	500	Not Detected	Not Detected	Not Detected
Polychlorinated Biphenyls (Pcbs)	ug/L	0.5	0.5	Not Detected	Not Detected	Not Detected
Propachlor	ug/L	0.03		Not Detected	Not Detected	Not Detected
Simazine	ug/L	0.03	4	Not Detected	Not Detected	Not Detected
Toxaphene	ug/L	0.2	3	Not Detected	Not Detected	Not Detected
Total Phenolic Compounds	ug/L	1	1	Not Detected	Not Detected	Not Detected
Taste	0	0		Not Detected	Not Detected	Not Detected
Hydrogen Ion (pH)	pH Units	0		8.22	8.14	5.93
Mbas (Surfactants)	mg/L	0.1		Not Detected	Not Detected	Not Detected



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Test	Unit of Measure	Method Detection Limit	Standard of Quality (legal limits where applicable)	Opal Springs Water from DVWD	Bottled Earth2O Spring Water	Bottled Earth2O Distilled Water
Asbestos	MFL>10um	0	7	Not Detected	Not Detected	Not Detected
Color	COLOR UNIT	0	15	Not Detected	Not Detected	Not Detected
Odor	TON	0	3	Not Detected	Not Detected	Not Detected
Turbidity	NTU	0	1	Not Detected	Not Detected	Not Detected
Bromate	mg/L	0.0002	0.01	Not Detected	.0074*	Not Detected
Chlorine Dioxide	mg/L	0		Not Detected	Not Detected	Not Detected
Chlorite	mg/L	0.00048	1	Not Detected	Not Detected	Not Detected
Chloramines Total	mg/L	0.01	4	Not Detected	Not Detected	Not Detected
Free Chlorine Residual	mg/L	0.01	0.1	Not Detected	Not Detected	Not Detected
Haa(5)	ug/L	0	60	Not Detected	Not Detected	Not Detected
Dichloroacetic Acid	ug/L	0.5		Not Detected	Not Detected	Not Detected
Trichloroacetic Acid	ug/L	0.9		Not Detected	Not Detected	Not Detected
Dibromoacetic Acid	ug/L	0.2		Not Detected	Not Detected	Not Detected
Monochloroacetic Acid	ug/L	0.6		Not Detected	Not Detected	Not Detected
Monobromoacetic Acid	ug/L	0.6		Not Detected	Not Detected	Not Detected
Total Trihalomethane	ug/L	0	10	Not Detected	Not Detected	Not Detected
Bromodichloromethane	ug/L	0.07		Not Detected	Not Detected	Not Detected
Chlorodibromomethane	ug/L	0.12		Not Detected	Not Detected	Not Detected
Chloroform	ug/L	0.06		Not Detected	Not Detected	Not Detected
Bromoform	ug/L	0.12		Not Detected	Not Detected	Not Detected
Gross Alpha	pCi/L	1.48	15	Not Detected	Not Detected	Not Detected
Gross Beta	pCi/L	1.87	50	Not Detected	Not Detected	Not Detected
Radium 226	pCi/L	0.382		Not Detected	Not Detected	Not Detected
Radium 228	pCi/L	0.697	5	Not Detected	Not Detected	Not Detected
Uranium	mg/L	0.000130	0.03	Not Detected	Not Detected	Not Detected
Radon	pCi/L	0		73	Not Detected	Not Detected
1,3-Dichloropropylene, Total	ug/L	0		Not Detected	Not Detected	Not Detected
1,1 - Dichloroethane	ug/L	0.12		Not Detected	Not Detected	Not Detected
1,1 - Dichloropropene	ug/L	0.18		Not Detected	Not Detected	Not Detected
1,1,1,2 - Tetrachloroethane	ug/L	0.06		Not Detected	Not Detected	Not Detected
1,1,2,2 - Tetrachloroethane	ug/L	0.13		Not Detected	Not Detected	Not Detected
1,2,3 - Trichlorobenzene	ug/L	0.07		Not Detected	Not Detected	Not Detected
1,2,3 - Trichloropropane	ug/L	0.16		Not Detected	Not Detected	Not Detected
1,2,4 - Trimethylbenzene	ug/L	0.08		Not Detected	Not Detected	Not Detected
1,3 - Dichloropropane	ug/L	0.12		Not Detected	Not Detected	Not Detected
1,3,5 - Trimethylbenzene	ug/L	0.12		Not Detected	Not Detected	Not Detected



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Test	Unit of Measure	Method Detection Limit	Standard of Quality (legal limits where applicable)	Opal Springs Water from DVWD	Bottled Earth2O Spring Water	Bottled Earth2O Distilled Water
2,2 - Dichloropropane	ug/L	0.15		Not Detected	Not Detected	Not Detected
Bromobenzene	ug/L	0.06		Not Detected	Not Detected	Not Detected
Bromochloromethane	ug/L	0.16		Not Detected	Not Detected	Not Detected
Bromomethane	ug/L	0.36		Not Detected	Not Detected	Not Detected
Chloroethane	ug/L	0.29		Not Detected	Not Detected	Not Detected
Chloromethane	ug/L	0.17		Not Detected	Not Detected	Not Detected
Cis - 1,3 - Dichloropropene	ug/L	0.08		Not Detected	Not Detected	Not Detected
Dibromomethane	ug/L	0.06		Not Detected	Not Detected	Not Detected
Dichlorodifluoromethane	ug/L	0.21		Not Detected	Not Detected	Not Detected
Hexachlorobutadiene	ug/L	0.22		Not Detected	Not Detected	Not Detected
Isopropylbenzene	ug/L	0.12		Not Detected	Not Detected	Not Detected
M - Dichlorobenzene	ug/L	0.06		Not Detected	Not Detected	Not Detected
M/P - Xylene	ug/L	0.2		Not Detected	Not Detected	Not Detected
Methyl Tert-Butyl Ether	ug/L	0.14		Not Detected	Not Detected	Not Detected
N - Butylbenzene	ug/L	0.32		Not Detected	Not Detected	Not Detected
N - Propylbenzene	ug/L	0.11		Not Detected	Not Detected	Not Detected
Naphthalene	ug/L	0.11	14	Not Detected	Not Detected	Not Detected
O - Chlorotoluene	ug/L	0.07		Not Detected	Not Detected	Not Detected
P - Chlorotoluene	ug/L	0.1		Not Detected	Not Detected	Not Detected
O - Xylene	ug/L	0.07		Not Detected	Not Detected	Not Detected
P - Isopropyltoluene	ug/L	0.14		Not Detected	Not Detected	Not Detected
Sec - Butylbenzene	ug/L	0.32		Not Detected	Not Detected	Not Detected
Tert - Butylbenzene	ug/L	0.23		Not Detected	Not Detected	Not Detected
Trans- 1,3 - Dichloropropene	ug/L	0.08		Not Detected	Not Detected	Not Detected
Trichlorofluoromethane	ug/L	0.18		Not Detected	Not Detected	Not Detected
Hardness	mg CaCO3/L	0.01		35.5	38.5	Not Detected
Alkalinity	mg CaCO3/L	0		58.3	58.7	Not Detected
Corrosivity	SI	0		-1.01	-1.05	-9.82
Perchlorate	mg/L	0	0.002	Not Detected	Not Detected	Not Detected
Total Coliform	Presence	P/A			A	A
Hexavalent Chromium	ug/L	0.0016		1.102		

*Monitored monthly, calculated as a running annual average (RAA) on 2/1/19.

Standard of Quality values set by FDA bottled water limits, EPA limits, state limits, and non-enforceable recommendations.

For questions regarding a specific contaminant, EPA has published a [helpful table](#) online detailing what the contaminant is, how it gets into drinking water, and what the potential health effects are.



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Statements Required under California Law

The following is included as a requirement for bottled water license in the State of California, issued by the [California Department of Public Health](#) (CDPH).

Our product has been thoroughly tested in accordance with federal and California law. Our bottled water is a food product and cannot be sold unless it meets the standards established by the U.S. Food and Drug Administration and the California Department of Public Health. 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."

If you would like to know whether a particular bottled water product has been or is being recalled, please visit the FDA's website at:

<http://www.fda.gov/opacom/7alerts.html>

WARNING: Earth2O products may contain chemicals known to the State of California to cause cancer and birth defects or other reproductive harm.