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Whitestone, NY 11357
1-877-GLACEAU

smartwater® Bottled Water Report as required by California SB 220

Thank you for requesting information about the source and product quality of smartwater purified water. As the owner of the smartwater brand, glacéau is pleased to provide this information to you.

Most facilities that purify and bottle smartwater procure water from municipal water systems. At a few plants, however, water is obtained from protected groundwater sources managed by the bottling plant, with approvals from local authorities.

The U.S. Food and Drug Administration (FDA) has established standards of identity for various types of bottled water, including spring water, mineral water, artesian water and purified water. smartwater is made using purified water, which the FDA defines as:

“Water that is produced by distillation, deionization, reverse osmosis or other suitable processes and that meets the definition of “purified water” in the U.S. Pharmacopeia, 23d Revision, Jan. 1, 1995.”

The smartwater purification process includes these steps, in approximately this order:

- Volatile organic compounds and chlorine are absorbed as source water passes through granular activated carbon filtration, a form of crushed and hardened charcoal.
- Minerals and additional impurities are removed as water is evaporated and allowed to cool in a way that separates the water molecules from other matter; this step is called vapor distillation.
- Interim ultraviolet light disinfection destroys micro-organisms and ensures water safety and purity before re-mineralization.
- Water is re-mineralized by the addition of the electrolytes calcium chloride, magnesium chloride, and potassium bicarbonate.
- Final purification takes place as ozone gas, which has disinfectant properties, is pumped through the water. Because ozone, O₃, is a type of oxygen, it quickly dissipates into the same type of oxygen gas we breathe, O₂, and does not leave any residual taste in the water. This step is called ozonation. All of these steps are continually monitored and tested on a regular basis.

“Purified water” has been established as a separate standard of identity because it is distinct in composition from the source water used to make it. Because of the purification and re-mineralization treatments it receives, smartwater provides a consistent taste regardless of its source.

Bottled water is a food product under Federal and state law and it must meet standards of quality established by the FDA. In addition, The Coca-Cola Company's quality management system has been benchmarked against the most current internationally recognized third-party requirements. For a report on smartwater's annual compliance with FDA bottled water quality standards, visit glacéau's website, www.glacéau.com.

The FDA provides recall information at <http://www.fda.gov/opacom/7alerts.html>.

The State of California requires that we provide the following definitions and statements as part of this report.

Definitions

“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.

Statements

“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 stormwater runoff, and residential uses.
3. Organic substances that are byproducts of industrial processes and petroleum production and can also come from gas stations, urban stormwater 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.”



typical smartwater analytical report

Residual Disinfectants			Physical Quality		
	STD of Quality mg/L	Results mg/L		STD of Quality	Results
Chloramine	4	ND	Color	15 units	Pass
Chlorine	4	ND	Odor	3	Pass
Chlorine dioxide	0.8	ND	Turbidity	5 units	Pass

Radionuclides			Semi-Volatile Organic Compounds		
	STD of Quality pCi/L	Results pCi/L		STD of Quality mg/L	Results mg/L
Gross Alpha particle activity <i>(including radium 226, but excluding radon and uranium)</i>	15	ND	Alachlor	0.002	ND
Gross Beta particle activity	50	ND	Atrazine	0.003	ND
Radium 226	5	ND	Benzo(a)pyrene	0.0002	ND
Radium 228	5	<0.6	Carbofuran	0.04	ND
Uranium	0.03 (mg/L)	ND	Chlordane	0.002	ND
			Dalapon	0.2	ND
			1,2-Dibromo-3-chloropropane	0.0002	ND
			2,4-D	0.07	ND
			Di(2-ethylhexyl)adipate	0.4	ND
			Dinoseb	0.007	ND
			Diquat	0.02	ND
			Endothall	0.1	ND
			Endrin	0.002	ND
			Ethylene dibromide	0.00005	ND
			Glyphosate	0.7	ND
			Heptachlor	0.0004	ND
			Heptachlor epoxide	0.0002	ND
			Hexachlorobenzene	0.001	ND
			Hexachlorocyclo-pentadiene	0.05	ND
			Lindane	0.0002	ND
			Methoxychlor	0.04	ND
			Oxamyl	0.2	ND
			Pentachlorophenol	0.001	ND
			PCB's	0.0005	ND
			Phenolic Compounds	0.001	ND
			Picloram	0.5	ND
			Simazine	0.004	ND
			2,3,7,8-TCDD (Dioxin)	3 x 10 ⁻⁸	ND
			Toxaphene	0.003	ND
			2,4,5-TP (Silvex)	0.05	ND

Microbiological		
	STD of Quality	Results mpn/100ml
Coliform	* < 4CFU /100ml	Absent * membrane filtration method

Inorganic Components		
	STD of Quality mg/L	Results mg/L
Aluminum	0.2	ND
Antimony	0.006	ND
Arsenic	0.01	ND
Barium	2	ND
Beryllium	0.004	ND
Cadmium	0.005	ND
Chloride	250	9.6
Chromium	0.1	ND
Copper	1	ND
Cyanide	0.2	ND
Fluoride* - temp dependent	0.8 - 1.7	ND
Iron	0.3	ND
Lead	0.005	ND
Manganese	0.05	ND
Mercury	0.002	ND
Nickel	0.1	ND
Nitrate (asN)	10	0.62
Nitrite (asN)	1	ND
Phenols	0.001	ND
Selenium	0.05	ND
Silver	0.1	ND
Sulfate	250	10
Thallium	0.002	ND
Total Dissolved Solids	500	36
Zinc	5	ND

NOTES: Please note that "ND" indicates Not Detected.

Disinfection By-Products (DBP)

	STD of Quality mg/L	Results mg/L
Bromate	0.01	ND
Chlorite	1	ND
HAA	0.06	ND
THM (Total)	0.08	ND

Volatile Organic Compounds

	STD of Quality mg/L	Results mg/L
Benzene	0.005	ND
Carbon tetrachloride	0.005	ND
o-Dichlorobenzene	0.6	ND
p-Dichlorobenzene	0.07	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
Dichloromethane	0.005	ND
1,2-Dichloropropane	0.005	ND
Ethylbenzene	0.7	ND
Monochlorobenzene	0.1	ND
Styrene	0.1	ND
Tetrachloroethylene	0.005	ND
Toluene	1	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
Vinyl Chloride	0.002	ND
Xylenes (Total)	10	ND

NOTES: Please note that "ND" indicates Not Detected.