

UTAH BOTTLED WATER STANDARDS

Revised February 19, 1997

MICROBIOLOGICAL	MCL* (mg/l)	SOURCE	FINISHED PRODUCT
1. Total Coliform	Absent	1 week	1 week
2. Containers & Closures			Quarterly (see Note)

PHYSICAL CHARACTERISTIC	MCL* (mg/l)	SOURCE
1. Color	15 units	1 year
2. Odor	Threshold odor No. 3	
3. Turbidity	5 units	

CHEMICAL

CONTAMINANT	MCL* (mg/l)
Arsenic	0.05
Chloride	250.0 ①
Iron	0.3 ①
Manganese	0.05 ①
Phenols	0.001
Sulfate	250 ①
Total dissolved solids	500.0 ①
Zinc	5.0 ①
ORGANICS:	MCL* (mg/l)
Total Trihalomethanes	0.10

Note: All containers and closures shall be sampled and inspected to ascertain that they are free from contamination. At least once each three months, a bacteriological swab and/or rinse count should be made from at least four containers and closures selected just prior to filling and sealing. No more than one of the four samples may exceed more than 1 bacteria per milliliter of capacity or one colony per square centimeter of surface area. All samples shall be free of coliform organisms. The procedure and apparatus for these bacteriological tests shall be in conformance with those recognized by the government agency or agencies having jurisdiction. Tests shall be performed either by qualified plant personnel or competent commercial laboratory.

* MCL = Maximum Contaminant Level

① Mineral water is exempt from allowable level. The exemptions are aesthetically based allowable levels and do not relate to a health concern.

CHEMICAL

CONTAMINANT	MCL* (mg/l)	
Antimony	.006	Ⓢ
Barium	2.	
Beryllium	0.004	Ⓢ
Cadmium	0.005	
Chromium	0.1	
Copper	1.0	
Cyanide	0.2	Ⓢ
Lead	0.005	
Mercury	0.002	
Nickel	0.1	Ⓢ
Nitrate	10	
Nitrite	1	
Total Nitrate & Nitrite	10	
Selenium	0.05	
Thallium	0.002	Ⓢ

VOLATILE ORGANIC CHEMICALS (VOC'S)

CONTAMINANT	MCL* (mg/l)	(VOC'S)
Benzene	0.005	1 year
Carbon Tetrachloride	0.005	
O-Dichlorobenzene	0.6	
P-Dichlorobenzene	0.075	
1-2 Dichloroethane	0.005	
cis-1, 2 Dichloroethylene	0.07	
Trans-1, 2 Dichloroethylene	0.1	
Dichloromethane	0.005	
1,2 - Dichloropropane	0.005	
Ethyl benzene	0.7	
Monochlorobenzene	0.1	
Styrene	0.1	
Tetrachloroethylene	0.005	
Toluene	1	
1,2,4-Trichlorobenzene	0.07	
1,1,1-Trichloroethane	0.20	
1,1,2-Trichloroethane	0.005	

Trichloroethylene	0.005	
Vinyl Chloride	0.002	
Xylene	10	

PESTICIDES AND OTHER SYNTHETIC ORGANIC CHEMICALS (SOC'S)

CONTAMINANT	MCL* (mg/l)	
Alachlor	0.002	
Atrazine	0.003	
Benzo (a) pyrene	0.0002	
Carbofuran	0.04	
Chloradane	0.002	
Dalapon	0.2	
1,2-Dibromo-3-chloropropane	0.0002	Ⓜ
2,4-D	0.07	
Di (2-ethylhexyl) adipate	0.4	
Dinoseb	0.007	
Diquat	0.02	Ⓜ
Endothall	0.1	Ⓜ
Endrin	0.002	
Ethylene dibromide	0.00005	Ⓜ
Glyphosate	0.7	Ⓜ
Heptachlor	0.0004	
Heptachlor epoxide	0.0002	
Hexachlorobenzene	0.001	
Hexachlorocyclopentadiene	0.05	
Lindane	0.0002	
Methoxychlor	0.04	
Oxamyl	0.2	
Pentachlorophenol	0.001	
PCB's	0.0005	
Picloram	0.5	
Simazine	0.004	
2,3,7,8 TCD (Dioxin)	3 x 10 ⁻⁸	Ⓜ
Toxaphene	0.003	
2,4,5 - TP Silvex	0.05	

Ⓜ Chemicals are stayed until further notice

Ⓜ Utah Dept of Environmental Quality, Division of Drinking Water received a waiver from EPA. Utah Department of Agriculture has adopted this waiver.

SECONDARY MAXIMUM CONTAMINANT LEVELS FOR CERTAIN CHEMICALS

CONTAMINANT	MCL* (mg/l)
Aluminum	0.2
Silver	0.1
Sulfate	250

RADIOLOGICAL QUALITY	PICOCURIES/LITER
Radium-226 & radium 228	5 picocuries
Gross alpha particle <i>(including 226, excluding radon and uranium)</i>	15 picocuries
Beta particle & photon radioactivity	4 millirems/year

REGULATION AUTHORITY:

In-State Bottlers: In addition to meeting annual, quarterly, and weekly analytical testing requirements, must meet source approval requirements and display current certificates or notifications of approval by the State Engineer at the plant. Analytical testing data must be maintained at bottling facility for at least two years and be available for official review.

Out-of-State Bottlers: If your product complies with 21 CFR 165.110 and 129 Manufacturing and all applicable parts of the 21 CFR 101 pertaining to labeling, Utah permits sale of product in the State. Utah requires all out-of-state bottlers to meet these federal regulations. It is advisable to notify state of intent to distribute product in state and to request that the state notify you of any additional requirements and/or changes in the State's regulations of bottled water.

Table 1	
Annual avg maximum daily air temperatures (deg F)	Fluoride concentration in milligrams per liter
53.7 and below	2.4
53.8 - 58.3	2.2
58.4 - 63.8	2.0
63.9 - 70.6	1.8
70.7 - 79.2	1.6
79.3 - 90.5	1.4

Bottled water packaged in the United States to which no fluoride is added, shall not contain fluoride in excess of the levels in Table 1 and these levels shall be based on the annual average of maximum daily air temperature at the location where the bottled water is sold.

Table 2	
Annual avg maximum daily air temperatures (deg F)	Fluoride concentration in milligrams per liter
53.7 and below	1.7
53.8 - 58.3	1.5
58.4 - 63.8	1.3
63.9 - 70.6	1.2
70.7 - 79.2	1.0
79.3 - 90.5	0.8

Bottled water packaged in the United State to which fluoride is added shall not contain fluoride in excess of levels in Table 2 and these levels shall be based on the annual average of maximum daily air temperatures at the location where the bottled water is sold at retail.