BOTTLED WATER (PRODUCT WATER) (Revised, 9/7/99)

CHEMICAL-PHYSICAL-RADIOLOGICAL-BACTERIOLOGICAL TESTS AND FREQUENCY OF TESTING

GROUP I

PHYSICAL

	MAXIMUM
Color (units)*	15
Odor*	Threshold Odor No.3
Turbidity (units)*	5

GROUP II

CHEMICAL SUBSTANCE 1

	Maximum (mg/L)
Antimony	0.006
Aluminum	0.2
Arsenic	0.05
Barium	2.0
Beryllium	0.004
Cadmium	0.005
Chloride	250
Chromium	0.1
Copper	1.0
Cyanide	0.2
Fluoride	[see 21 CFR 165.110(b)(4)(ii)]
Iron	0.3
Lead	0.005
Manganese	0.05
Mercury	0.002
Nickel	0.1
Nitrate as nitrogen	10.0
Nitrite as nitrogen	1.0
Total nitrate & nitrite as nitrogen	10.0
Phenols	0.001
Selenium	0.05
Silver	0.1
Sulfate	250.0
Thallium	0.002
Zinc	5.0

GROUP III

RADIOACTIVITY

	MAXIMUM
Radium 226, 228 (pCi/L)	**5**
Gross Alpha (pCi/L)	**15**

GROUP IV

BACTERIOLOGICAL

		MAXIMUM
Coliforms:	**Multiple Tube Fermentation method**	**2.2 MPN /100 mL**
	Membrane Filter method	**1 c /100 mL**
	[see 21 CFR 165.110(b)(2)(i) for more details]	

GROUP V

CHEMICAL SUBSTANCE 2 **(Every year)**

	Maximum (mg/L)
Alachlor	**0.002**
Atrazine	**0.003**
Benzene	**0.005**
Benzo(a)pyrene	**0.0002**
Carbon Tetrachloride	**0.005**
Carbofuran	**0.04**
Chlordane	**0.002**
2, 4-D	**0.07**
Dalapon	**0.2**
1,2-dibromo-3-chloropropane	**0.0002**
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**
1,1-Dichloroethylene	**0.007**
Dichloromethane	**0.005**
1,2-Dichloropropane	**0.005**
Di(2-ethylhexyl)adipate	**0.4**
Dinoseb	**0.007**
Diquat	**0.02**
Endothall	**0.1**
Endrin	**0.002**
Ethylbenzene	**0.7**
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**
Monochlorobenzene	**0.1**
Oxamyl	**0.2**
Pentachlorophenol	**0.001**
Polychlorinated biphenyl (PCB's)	**0.0005**
Picloram	**0.5**
Simazine	**0.004**
Styrene	**0.1**
2,3,7,8-TCDD (Dioxin)	**3×10^{-8}**
Tetrachloroethylene	**0.005**
Toluene	**1.0**
Total Trihalomethanes (TTHM)**	**0.01**
Toxaphene	**0.003**
2,4,5-TP Silvex	**0.05**
1,2,4-Trichlorobenzene	**0.07**
1,1,1-Trichloroethane	**0.200**
1,1,2-Trichloroethane	**0.005**
Trichloroethylene	**0.005**
Vinyl chloride	**0.002**
Xylenes	**10.0**

NOTE: ***** **Standard Methods for the Examination of Water and WasteWater, 15th Edition, 1980**

****** **Total Trihalomethanes (TTHM) includes chloroform, bromodichloromethane, chlorodibromomethane, and bromoform.** ***NOTE: The state statute [H&SC section 111080(b)] regarding the maximum allowable level of 0.010 mg/L for total trihalomethanes is currently effective pursuant to the Constitution of California, Article III, sec 3.5.***

(1) Frequency of Testing:

Group I, II, III, V: Every year

Group IV : Weekly.

(2) Analytical Methods: See "Title 21, Code of Federal Regulations Section 165.110 (b)".

<u>REFERENCES:</u>

Federal Register, Volume 60, 57076, 11/13/95; Volume 63, 25764, 5/11/98; Beverages: Bottled Water.

Federal Register, Volume 59, 61529, 12/1/94; Quality Standards for Foods With No Identity Standards: Bottled Water.

The California Health and Safety Code 111070 to 111195.

Title 21, Code of Federal Regulations Sections 129.1 to 129.80, and 165.110(b).