Dear Owner:

Enclosed, please find the Georgia Department of Agriculture's requirements for bottled water certification for Georgia bottled water companies. If these procedures are followed, turn-around time should be greatly reduced.

1. On start-up, complete test results from each source of water should be submitted for review. Additionally, identical analysis of the finished product must also be submitted, except that, radiological testing need not be repeated on finished product if accomplished on source water. Testing shall be in accordance with the Georgia Department of Agriculture regulations, Chapter 40-7-6 and the current edition of the Code of Federal Regulations, Part 165. The analyses should include chemical, physical, bacteriological and radiological.
2. Renewal of your certification will be annually by December 31. Renewals require completion of the Bottled Water Certification - Lab Analysis Report for source and finished product and supporting documentation from the laboratory. Physical, chemical, bacteriological, residual disinfectants/disinfection byproducts and radiological analyses, of the source water and the finished product, must be re-verified annually.
3. All analyses must be submitted on the Bottled Water Certification - Lab Analysis Report. It must be completed by a state approved water laboratory with a notarized signature of the Chemist in Charge or Project Manager and returned to this office. If supporting laboratory data is sent with the state form, the signature does not have to be notarized.
4. There are additional requirements for "Spring Water" or "Artesian Water". Spring water collected directly from the spring or gravity fed to a holding tank must be verified in writing by the inspecting authority of the state or municipal jurisdiction in which the spring is located. Additionally, if bore holes or other means of extraction are used, hydrogeologic reports demonstrating the hydraulic connection between the spring and the borehole must be submitted along with your other data. Two sets of fingerprint analyses (one from the spring and one from the bore hole) will also be required to ascertain if the water taken from the bore hole is, in fact, the same water as the spring. The hydrogeologic (or geohydrologic) report shall be prepared by an independent consultant using engineering and geological standard practices, and demonstrates that the well or borehold water meets the definition of spring water as cited in Department Rules 40-7-11-.01(14). If the well or borehold is within the State of Georgia, the report shall be signed and stamped by either a geologist or an engineer registered to practice in Georgia. If the well or borehold is outside the State of Georgia, the report shall be signed by either a geologist or an engineer registered in the respective state or country, or by a geologist or an engineer registered to practice in Georgia. Likewise, artesian sources will also require hydrogeologic reports establishing that the source is from a confined aquifer and that the water level stands at some height above the top of the aquifer. Signed and stamped hydrogeologic/geohydrologic reports must be forwarded to the Department for review prior to licensing by the Food Safety Division.

If I can be of further service to you, please do not hesitate to call me at 404-656-3627–Ext: 3115.

Sincerely,

Patricia A. Batten
Manufactured Foods Program Associate
Food Safety Division

BOTTLED WATER CERTIFICATION - LAB ANALYSIS REPORT

(START-UP AND ANNUAL TESTING)

FIRM NAME				DATE OF ANALYSES
STREET ADDRESS				SOURCE (*BY NAME OR NUMBER*)
CITY	STATE	ZIPCODE	PHONE	SAMPLES: **SOURCE** *OR* **FINISHED PRODUCT**

CHEMICAL QUALITY 21 CFR 165.110(b)(4)(i)(A)							
Substance	**MCL** (mg/L)	**Results**	**MDL**	**Substance**	**MCL** (mg/L)	**Results**	**MDL**
Chloride[1]	250.0			Phenols	0.001		
Iron[1]	0.3			Total Dissolved Solids[1]	500.0		
Fluoride[2]				Zinc[1]	5.0		
Manganese[1]	0.05						

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

[2] *See Table 1 and Table 2 (21 CFR 165.110(b)(4)(ii) for the appropriate MCL on Fluoride.*

INORGANIC SUBSTANCES 21 CFR 165.110(b)(4)(iii)(A)							
Contaminant	**MCL** (mg/L)	**Results**	**MDL**	**Contaminant**	**MCL** (mg/L)	**Results**	**MDL**
Arsenic	0.010			Lead	0.005		
Antimony	.006			Mercury	0.002		
Barium	2			Nickel	0.1		
Beryllium	0.004			Nitrate (as Nitrogen)	10		
Cadmium	0.005			Nitrite (as Nitrogen)	1		
Chromium	0.1			Total Nitrate & Nitrite (as Nitrogen)	10		
Copper	1.0			Selenium	0.05		
Cyanide	0.2			Thallium	0.002		

VOLATILE ORGANIC CHEMICALS (VOC's) 21 CFR 165.110(b)(4)(iii)(B)							
Contaminant	**MCL** (mg/L)	**Results**	**MDL**	**Contaminant**	**MCL** (mg/L)	**Results**	**MDL**
Benzene (71-43-2)	0.005			Monochlorobenzene (108-90-7)	0.1		
Carbon tetrachloride (56-23-5)	0.005			Styrene (100-42-5)	0.1		
o- Dichlorobenzene (95-50-1)	0.6			Tetrachloroethylene (127-18-4)	0.005		
p- Dichlorobenzene (106-46-7)	0.075			Toluene (108-88-3)	1		
1,2-Dichloroethane (107-06-2)	0.005			1,2,4-Trichlorobenzene (120-82-1)	0.07		
1,1-Dichloroethylene (75-35-4)	0.007			1,1,1-Trichloroethane (71-55-6)	0.20		
cis-1,2-Dichloroethylene (156-59-2)	0.07			1,1,2-Trichloroethane (79-00-5)	0.005		

VOC's continued on page 2.

VOLATILE ORGANIC CHEMICALS (VOC's) 21 CFR 165.110(b)(4)(iii)(B)							
Contaminant	**MCL** (mg/L)	**Results**	**MDL**	**Contaminant**	**MCL** (mg/L)	**Results**	**MDL**
trans-1,2-Dichloroethylene (156-60-5)	0.1			Trichloroethylene (79-01-6)	0.005		
Dichloromethane (75-09-2)	0.005			Vinyl chloride (75-01-4)	0.002		
1,2-Dichloropropane (78-87-5)	0.005			Xylenes (1330-20-7)	10		
Ethylbenzene (100-41-4)	0.7						

SYNTHETIC ORGANIC CHEMICALS (SOC's) 21 CFR 165.110(b)(4)(iii)(C)							
Contaminant (CAS Reg. No.)	**MCL** (mg/L)	**Results**	**MDL**	**Contaminant (CAS Reg. No.)**	**MCL** (mg/L)	**Results**	**MDL**
Alachlor (15972-60-8)	0.002			Glyphosate (1071-53-6)	0.7		
Atrazine (1912-24-9)	0.003			Heptachlor (76-44-8)	0.0004		
Benzo(a)pyrene (50-32-8)	0.0002			Heptachlor epoxide (1024-57-3)	0.0002		
Carbofuran (1563-66-2)	0.04			Hexachlorobenzene (118-74-4)	0.001		
Chlordane (57-74-9)	0.002			Hexachlorocyclopentadiene (77-47-4)	0.05		
Dalapon (75-99-0)	0.2			Lindane (58-89-9)	0.0002		
1,2-Dibromo-3-chloropropane (96-12-8)	0.0002			Methoxychlor (72-43-5)	0.04		
2,4-D (94-75-7)	0.07			Oxamyl (23135-22-0)	0.2		
Di(2-ethylhexyl)adipate (103-23-1)	0.4			Pentachlorophenol (87-86-5)	0.001		
Di(2-ethylhexyl)phthalate (117-81-7)	0.006			PCB's (as decachlorobiphenyl) (1336-36-3)	0.0005		
Dinoseb (88-85-7)	0.007			Picloram (1918-02-1)	0.5		
Diquat (85-00-7)	0.02			Simazine (122-34-9)	0.004		
Endothall (145-73-3)	0.1			2,3,7,8-TCDD (Dioxin) (1746-01-6)	$3*10^{-8}$		
Endrin (72-20-8)	0.002			Toxaphene (8001-35-2)	0.003		
Ethylene dibromide (106-93-4)	0.00005			2,4,5-TP (Silvex) (93-72-1)	0.05		

EPA SECONDARY MAXIMUM CONTAMINANT LEVELS (40 CFR part 143) 21 CFR 165.110(b)(4)(iii)(D)							
Contaminant	**MCL** (mg/L)	**Results**	**MDL**	**Contaminant**	**MCL** (mg/L)	**Results**	**MDL**
Aluminum	0.2			Sulfate[1]	250.0		
Silver	0.1						

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

RESIDUAL DISINFECTANTS & DISINFECTION BYPRODUCTS 21 CFR 165.110(b)(4)(iii)(H)							
Substance	**MCL** (mg/L)	**Results**	**MDL**	**Substance**	**MCL** (mg/L)	**Results**	**MDL**
DISINFECTION BYPRODUCTS				**RESIDUAL DISINFECTANTS**			
Bromate	0.010			Chloramine (as Cl_2)	4.0		
Chlorite	1.0			Chlorine (as Cl_2)	4.0		
Haloacetic acids (five) (HAA5)	0.060			Chlorine dioxide (as ClO_2)	0.8		
Total Trihalomethanes (TTHM)	0.080						

RADIOLOGICAL 21 CFR 165.110(b)(5)(i)							
Substance	**MCL** (pCi/L)	**Results**	**MDL**	**Substance**	**MCL**	**Results**	**MDL**
Radium-226	5			Beta Particle Activity[3] (in millirems/year)			
Radium-228	5			Uranium (in µg/L)	30		
Combined Radium-226/-228[1]	5						
Gross Alpha Particle[2]	15						

[1] *The bottled water shall not contain a combined radium-226 and radium-228 activity in excess of 5 picocuries per liter of water.*

[2] *The bottled water shall not contain a gross alpha particle activity (including radium-226, but excluding radon and uranium) in excess of 15 picocuries per liter of water.*

[3] *The bottled water shall not contain beta particle and photon radioactivity from manmade radionuclides in excess of that which would produce an annual dose equivalent to the total body or any internal organ of 4 millirems per year calculated on the basis of an intake of 2 liters of the water per day. If two or more beta or photon-emitting radionuclides are present, the sum of their annual dose equivalent to the total body or to any internal organ shall not exceed 4 millirems per year.*

Notarized Signature of Chemist in Charge or Project Manager

Date

Laboratory

Supporting Documents?
If "Yes" notary is not required

☐ YES ☐ NO

APPROVED LABORATORIES

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