



**BOTTLED WATER CERTIFICATION - LAB ANALYSIS REPORT**  
 (START-UP AND ANNUAL TESTING)

FIRM NAME Melwood Springs				DATE OF ANALYSES 04/20/16			
STREET ADDRESS 2000 Blue Ridge Drive				SOURCE (BY NAME OR NUMBER) 352296			
CITY Blue Ridge	STATE GA	ZIP CODE 30513	PHONE 800-591-3818	SAMPLES: <b>SOURCE OR FINISHED PRODUCT</b> Source			

CHEMICAL QUALITY 21 CFR 165.110(b)(4)(i)(A)							
Substance	MCL (mg/L)	Results	MDL	Substance	MCL (mg/L)	Results	MDL
Chloride <sup>1</sup>	250.0	3.9	1.0	Phenols	0.001	ND	0.001
Iron <sup>1</sup>	0.3	ND	0.020	Total Dissolved Solids <sup>1</sup>	500.0	42	5
Fluoride <sup>2</sup>		ND	0.10	Zinc <sup>1</sup>	5.0	0.022	0.004
Manganese <sup>1</sup>	0.05	ND	0.004				

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

<sup>2</sup>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	ND	0.002	Lead	0.005	ND	0.001
Antimony	.006	ND	0.003	Mercury	0.002	ND	0.0002
Barium	2	ND	0.10	Nickel	0.1	ND	0.005
Beryllium	0.004	ND	0.001	Nitrate (as Nitrogen)	10	0.11	0.05
Cadmium	0.005	ND	0.001	Nitrite (as Nitrogen)	1	ND	0.05
Chromium	0.1	ND	0.007	Total Nitrate & Nitrite (as Nitrogen)	10	0.11	0.05
Copper	1.0	0.022	0.002	Selenium	0.05	ND	0.002
Cyanide	0.2	ND	0.02	Thallium	0.002	ND	0.001

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	ND	0.0005	Monochlorobenzene (108-90-7)	0.1	ND	0.0005
Carbon tetrachloride (56-23-5)	0.005	ND	0.0005	Styrene (100-42-5)	0.1	ND	0.0005
<i>o</i> -Dichlorobenzene (95-50-1)	0.6	ND	0.0005	Tetrachloroethylene (127-18-4)	0.005	ND	0.0005
<i>p</i> -Dichlorobenzene (106-46-7)	0.075	ND	0.0005	Toluene (108-88-3)	1	ND	0.0005
2-Dichloroethane (107-06-2)	0.005	ND	0.0005	1,2,4-Trichlorobenzene (120-82-1)	0.07	ND	0.0005
1,1-Dichloroethylene (75-35-4)	0.007	ND	0.0005	1,1,1-Trichloroethane (71-55-6)	0.20	ND	0.0005
<i>cis</i> -1,2-Dichloroethylene (156-59-2)	0.07	ND	0.0005	1,1,2-Trichloroethane (79-00-5)	0.005	ND	0.0005

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	ND	0.0005	Trichloroethylene (79-01-6)	0.005	ND	0.0005
Dichloromethane (75-09-2)	0.005	ND	0.0005	Vinyl chloride (75-01-4)	0.002	ND	0.0005
1,2-Dichloropropane (78-87-5)	0.005	ND	0.0005	Xylenes (1330-20-7)	10	ND	0.0005
Ethylbenzene (100-41-4)	0.7	ND	0.0005				

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	ND	0.0002	Glyphosate (1071-53-6)	0.7	ND	0.006
Atrazine (1912-24-9)	0.003	ND	0.0001	Heptachlor (76-44-8)	0.0004	ND	0.00001
Benzo(a)pyrene (50-32-8)	0.0002	ND	0.0001	Heptachlor epoxide (1024-57-3)	0.0002	ND	0.00001
Carbofuran (1563-66-2)	0.04	ND	0.001	Hexachlorobenzene (118-74-4)	0.001	ND	0.0001
Chlordane (57-74-9)	0.002	ND	0.0001	Hexachlorocyclopentadiene (77-47-4)	0.05	ND	0.0001
Dalapon (75-99-0)	0.2	ND	0.001	Lindane (58-89-9)	0.0002	ND	0.00002
1,2-Dibromo-3-chloropropane (96-12-8)	0.0002	ND	0.00001	Methoxychlor (72-43-5)	0.04	ND	0.0001
2,4-D (94-75-7)	0.07	ND	0.0001	Oxamyl (23135-22-0)	0.2	ND	0.001
Di(2-ethylhexyl)adipate (103-23-1)	0.4	ND	0.0002	Pentachlorophenol (87-86-5)	0.001	ND	0.00004
Di(2-ethylhexyl)phthalate (117-81-1)	0.006	ND	0.0006	PCB's (as decachlorobiphenyl) (1336-36-3)	0.0005	ND	0.0005
Dinoseb (88-85-7)	0.007	ND	0.0002	Picloram (1918-02-1)	0.5	ND	0.0001
Diquat (85-00-7)	0.02	ND	0.001	Simazine (122-34-9)	0.004	ND	0.0001
Endothall (145-73-3)	0.1	ND	0.009	2,3,7,8-TCDD (Dioxin) (1746-01-6)	3*10 <sup>-8</sup>	ND	5
Endrin (72-20-8)	0.002	ND	0.0002	Toxaphene (8001-35-2)	0.003	ND	0.001
Ethylene dibromide (106-93-4)	0.00005	ND	0.00001	2,4,5-TP (Silvex) (93-72-1)	0.05	ND	0.0002

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	ND	0.05	Sulfate <sup>1</sup>	250.0	5.7	5.0
Silver	0.1	ND	0.002				

<sup>1</sup>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
<b>DISINFECTION BYPRODUCTS</b>				<b>RESIDUAL DISINFECTANTS</b>			
Bromate	0.010	NA		Chloramine (as Cl <sub>2</sub> )	4.0	NA	
Chlorite	1.0	NA		Chlorine (as Cl <sub>2</sub> )	4.0	NA	
Haloacetic acids (five) (HAA5)	0.060	NA		Chlorine dioxide (as ClO <sub>2</sub> )	0.8	NA	
Total Trihalomethanes (TTHM)	0.080	0.0016					

RADIOLOGICAL							
21 CFR 165.110(b)(5)(i)							
Substance	MCL (pCi/L)	Results	MDL	Substance	MCL	Results	MDL
Radium-226	5	0.135+-0.264		Beta Particle Activity <sup>3</sup> (in millirems/year)		1.90+-0.973	
Radium-228	5	1.13+-0.411		Uranium (in µg/L)	30	ND	1
Combined Radium-226/-228 <sup>1</sup>	5	1.27+-0.675					
Gross Alpha Particle <sup>2</sup>	15	0.360+-1.06					

<sup>1</sup>The bottled water shall not contain a combined radium-226 and radium-228 activity in excess of 5 picocuries per liter of water.

<sup>2</sup>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.

<sup>3</sup>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.

*Sue Andy*

Notarized Signature of Chemist in Charge or Project Manager

04/20/16

Date

National Testing Labs

Laboratory

Supporting Documents?

If "Yes" notary is not required

YES  NO