GEORGIA DEPARTMENT OF AGRICULTURE
FOOD SAFETY DIVISION
19 Martin Luther King Jr. Dr. SW, Room 306
Atlanta, GA 30334

BOTTLED WATER CERTIFICATION - LAB ANALYSIS REPORT

(START-UP AND ANNUAL TESTING)

FIRM NAME				DATE OF ANALYSES
Melwood Springs				07/28/2016
STREET ADDRESS				SOURCE (*BY NAME OR NUMBER*)
2000 Blue Ridge Drive				355782
CITY	STATE	ZIPCODE	PHONE	SAMPLES: **SOURCE** *OR* **FINISHED PRODUCT**
Blue Ridge	GA	30513	800-591-3818	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	4.4	1.0	Phenols	0.001	ND	0.001
Iron[1]	0.3	ND	0.020	Total Dissolved Solids[1]	500.0	130	5
Fluoride[2]		ND	0.10	Zinc[1]	5.0	ND	0.004
Manganese[1]	0.05	ND	0.004				

[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	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	0.12	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	0.12	0.05
Copper	1.0	ND	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
o- Dichlorobenzene (95-50-1)	0.6	ND	0.0005	Tetrachloroethylene (127-18-4)	0.005	ND	0.0005
p- 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
cis-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 (117-81-7)	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)	$3*10^{-8}$	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[1]	250.0	5.6	5.0
Silver	0.1	ND	0.002				

[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	ND	0.005	Chloramine (as Cl_2)	4.0	ND	0.05
Chlorite	1.0	ND	0.005	Chlorine (as Cl_2)	4.0	ND	0.05
Haloacetic acids (five) (HAA5)	0.060	ND	0.001	Chlorine dioxide (as ClO_2)	0.8	ND	0.1
Total Trihalomethanes (TTHM)	0.080	0.0019	0.0005				

RADIOLOGICAL
21 CFR 165.110(b)(5)(i)

Substance	MCL (pCi/L)	Results	MDL	Substance	MCL	Results	MDL
Radium-226	5	0.433+-0.594	0.939	Beta Particle Activity[3] (in millirems/year)		39.4+-1.72	1.66
Radium-228	5	0.0769+-0.421	0.963	Uranium (in µg/L)	30	ND	1.0
Combined Radium-226/-228[1]	5	0.510+-1.02	1.90				
Gross Alpha Particle[2]	15	-0.325+-0.589	1.19				

[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

07/28/16
Date

National Testing Laboratories
Laboratory

Supporting Documents?
If "Yes" notary is not required

☒ YES ☐ NO

Certificate of Analysis

Issued by National Testing Laboratories, Ltd.
to

Melwood Springs
for the Test Year 2016

The following sample was analyzed and found to meet or exceed bottled water annual testing requirements for chemical and physical contaminants established by the U.S. Food and Drug Administration (FDA) Quality Standards 21 CFR Section 165.110 (b).

Finished Spring - Cherokee
Sample I.D.
355782

The above referenced FDA regulations have been established to offer consumers assurance that the bottled water they purchase is stringently regulated, and tested and of the highest quality.

Stephen R. Tischler
Signature

Issued: 7/28/2016