Your C.O.C. #: 913953-01-01

Attention: Jeremy George

GWS Glenbriar Water Store
Bottled Water
183 Frobisher Drive
Waterloo, ON
CANADA N2V 2G4

Report Date: 2023/01/17
Report #: R7473985
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BUREAU VERITAS JOB #: C310798
Received: 2023/01/12, 09:27

Sample Matrix: Water
Samples Received: 1

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	1	N/A	2023/01/16	CAM SOP-00448	SM 23 2320 B m
Carbonate, Bicarbonate and Hydroxide	1	N/A	2023/01/13	CAM SOP-00102	APHA 4500-CO2 D
Chloride by Automated Colourimetry	1	N/A	2023/01/13	CAM SOP-00463	SM 23 4500-Cl E m
Conductivity	1	N/A	2023/01/13	CAM SOP-00414	SM 23 2510 m
Dissolved Organic Carbon (DOC) (1)	1	N/A	2023/01/14	CAM SOP-00446	SM 23 5310 B m
Hardness (calculated as CaCO3)	1	N/A	2023/01/17	CAM SOP 00102/00408/00447	SM 2340 B
Metals Analysis by ICPMS (as received) (2)	1	N/A	2023/01/16	CAM SOP-00447	EPA 6020B m
Ion Balance (% Difference)	1	N/A	2023/01/17		
Anion and Cation Sum	1	N/A	2023/01/17		
Total Ammonia-N	1	N/A	2023/01/14	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (3)	1	N/A	2023/01/16	CAM SOP-00440	SM 23 4500-NO3I/NO2B
pH	1	2023/01/13	2023/01/13	CAM SOP-00413	SM 4500H+ B m
Orthophosphate	1	N/A	2023/01/16	CAM SOP-00461	SM 23 4500-P E m
Sat. pH and Langelier Index (@ 20C)	1	N/A	2023/01/17		Auto Calc
Sat. pH and Langelier Index (@ 4C)	1	N/A	2023/01/17		Auto Calc
Sulphate by Automated Colourimetry	1	N/A	2023/01/13	CAM SOP-00464	EPA 375.4 m
Total Dissolved Solids (TDS calc)	1	N/A	2023/01/17		Auto Calc

Remarks:

Scope Statement:
The analysis detailed in this document is intended to assist you, the Client, in your efforts and responsibility to produce safe food. The analysis may be for contaminants or adulterants that are known to be or may potentially be harmful, or that may impact on the quality or desired characteristics of the product. The results are representative of the samples at the time and condition of submission, and as determined by the indicated method(s). When Bureau Veritas has not been responsible for the sampling stage (e.g. the sample has been provided by the customer), the results apply to the sample received from the client. Any inference as to their applicability to any particular product, production lot, intermediate, ingredient or facility should be made by an individual with relevant expertise, based on an understanding of the product and the suitability of the sampling protocol.
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Reference Method suffix “m” indicates test methods incorporate validated modifications from specific reference methods to improve performance.

(1) Dissolved Organic Carbon (DOC) present in the sample should be considered as non-purgeable DOC.
(2) Metals analysis was performed on the sample 'as received'.
(3) Values for calculated parameters may not appear to add up due to rounding of raw data and significant figures.

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Encryption Key

Please direct all questions regarding this Certificate of Analysis to:
Jared Bowers, Customer Service Representative
Email: Jared.Bowers@bureauveritas.com
Phone# (905)817-5834

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ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID				UUF991	
Sampling Date				2023/01/12 07:15	
COC Number				913953-01-01	
	UNITS	MAC	A/O	REVERSE OSMOSIS	RDL
Aluminum (Al)	ug/L	-	100	ND	4.9
Antimony (Sb)	ug/L	**6**	-	ND	0.50
Arsenic (As)	ug/L	**10**	-	ND	1.0
Barium (Ba)	ug/L	**1000**	-	ND	2.0
Beryllium (Be)	ug/L	-	-	ND	0.40
Boron (B)	ug/L	**5000**	-	270	10
Cadmium (Cd)	ug/L	**5**	-	ND	0.090
Calcium (Ca)	ug/L	-	-	270	200
Chromium (Cr)	ug/L	**50**	-	ND	5.0
Cobalt (Co)	ug/L	-	-	ND	0.50
Copper (Cu)	ug/L	-	1000	1.5	0.90
Iron (Fe)	ug/L	-	300	ND	100
Lead (Pb)	ug/L	**10**	-	ND	0.50
Magnesium (Mg)	ug/L	-	-	74	50
Manganese (Mn)	ug/L	-	50	ND	2.0
Molybdenum (Mo)	ug/L	-	-	ND	0.50
Nickel (Ni)	ug/L	-	-	ND	1.0
Phosphorus (P)	ug/L	-	-	ND	100
Potassium (K)	ug/L	-	-	ND	200
Selenium (Se)	ug/L	**50**	-	ND	2.0
Silicon (Si)	ug/L	-	-	90	50
Silver (Ag)	ug/L	-	-	ND	0.090
Sodium (Na)	ug/L	-	200000	950	100
Strontium (Sr)	ug/L	-	-	7.9	1.0
Thallium (Tl)	ug/L	-	-	ND	0.050
Titanium (Ti)	ug/L	-	-	ND	5.0
Uranium (U)	ug/L	**20**	-	ND	0.10
Vanadium (V)	ug/L	-	-	ND	0.50
Zinc (Zn)	ug/L	-	5000	ND	5.0

RDL = Reportable Detection Limit
MAC,A/O: Ontario Drinking Water Standards - Maximum Acceptable Concentration [MAC] & Table 4-Chemical/Physical Objectives [A/O] - Not Health Related, respectively
(Made under the Ontario Safe Drinking Water Act, 2002)
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.
N/A = Not Applicable

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RESULTS OF ANALYSES OF WATER

Bureau Veritas ID				UUF991	
Sampling Date				2023/01/12 07:15	
COC Number				913953-01-01	
	UNITS	MAC	A/O	REVERSE OSMOSIS	RDL
Anion Sum	me/L	-	-	0.0530	N/A
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	-	-	2.7	1.0
Calculated TDS	mg/L	-	500	3.0	1.0
Carb. Alkalinity (calc. as CaCO3)	mg/L	-	-	ND	1.0
Cation Sum	me/L	-	-	0.0620	N/A
Hardness (CaCO3)	mg/L	-	80:100	1.0	1.0
Ion Balance (% Difference)	%	-	-	NC	N/A
Langelier Index (@ 20C)	N/A	-	-	-5.37	N/A
Langelier Index (@ 4C)	N/A	-	-	-5.62	N/A
Saturation pH (@ 20C)	N/A	-	-	11.4	N/A
Saturation pH (@ 4C)	N/A	-	-	11.6	N/A
Ammonia-N	mg/L	-	-	ND	0.050
Conductivity	umho/cm	-	-	8.1	1.0
Organic Carbon	mg/L	-	5	ND	0.40
Orthophosphate (P)	mg/L	-	-	ND	0.010
pH	pH	-	6.5:8.5	6.02	N/A
Sulphate (SO4)	mg/L	-	500	ND	1.0
Alkalinity (Total as CaCO3)	mg/L	-	30:500	2.7	1.0
Chloride (Cl-)	mg/L	-	250	ND	1.0
Nitrite (N)	mg/L	**1**	-	ND	0.010
Nitrate (N)	mg/L	**10**	-	ND	0.10

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GENERAL COMMENTS

Results relate only to the items tested.

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VALIDATION SIGNATURE PAGE

The analytical data and all QC contained in this report were reviewed and validated by:

Cristina Carriere

Cristina Carriere, Senior Scientific Specialist

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