



Your C.O.C. #: 1014592-01-01

Attention: Marcus Pfeil

Savarin Springs Inc
1575 Strasburg Rd
Kitchener, ON
CANADA N2R 1K2

Report Date: 2024/10/08

Report #: R8352596

Version: 2 - Revision

CERTIFICATE OF ANALYSIS – REVISED REPORT

BUREAU VERITAS JOB #: C4U7526

Received: 2024/10/01, 11:49

Sample Matrix: Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	3	N/A	2024/10/04	CAM SOP-00448	SM 24 2320 B m
Carbonate, Bicarbonate and Hydroxide	1	N/A	2024/10/05	CAM SOP-00102	APHA 4500-CO2 D
Carbonate, Bicarbonate and Hydroxide	2	N/A	2024/10/07	CAM SOP-00102	APHA 4500-CO2 D
Free Residual Chlorine	3	2024/10/02	2024/10/02	CAM SOP 00425	SM 24 4500-CL G m
Chloride by Automated Colourimetry	3	N/A	2024/10/04	CAM SOP-00463	SM 24 4500-CL E m
Conductivity	1	N/A	2024/10/04	CAM SOP-00414	SM 24 2510 m
Conductivity	2	N/A	2024/10/05	CAM SOP-00414	SM 24 2510 m
Dissolved Organic Carbon (DOC) (1)	3	N/A	2024/10/03	CAM SOP-00446	SM 24 5310 B m
Hardness (calculated as CaCO3)	3	N/A	2024/10/02	CAM SOP 00102/00408/00447	SM 2340 B
Metals Analysis by ICPMS (as received) (2)	3	N/A	2024/10/02	CAM SOP-00447	EPA 6020B m
Ion Balance (% Difference)	1	N/A	2024/10/05		
Ion Balance (% Difference)	2	N/A	2024/10/07		
Anion and Cation Sum	1	N/A	2024/10/05		
Anion and Cation Sum	2	N/A	2024/10/07		
Total Ammonia-N	3	N/A	2024/10/07	CAM SOP-00441	USGS I-2522-90 m
Nitrate & Nitrite as Nitrogen in Water (3)	1	N/A	2024/10/04	CAM SOP-00440	SM 24 4500-NO3I/NO2B
Nitrate & Nitrite as Nitrogen in Water (3)	2	N/A	2024/10/05	CAM SOP-00440	SM 24 4500-NO3I/NO2B
pH	1	2024/10/03	2024/10/04	CAM SOP-00413	SM 24th - 4500H+ B
pH	2	2024/10/04	2024/10/05	CAM SOP-00413	SM 24th - 4500H+ B
Orthophosphate	3	N/A	2024/10/04	CAM SOP-00461	SM 24 4500-P E
Sat. pH and Langelier Index (@ 20C)	1	N/A	2024/10/05		Auto Calc
Sat. pH and Langelier Index (@ 20C)	2	N/A	2024/10/07		Auto Calc
Sat. pH and Langelier Index (@ 4C)	1	N/A	2024/10/05		Auto Calc
Sat. pH and Langelier Index (@ 4C)	2	N/A	2024/10/07		Auto Calc
Sulphate by Automated Turbidimetry	3	N/A	2024/10/04	CAM SOP-00464	SM 24 4500-SO42- E m
Total Dissolved Solids (TDS calc)	3	N/A	2024/10/04		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



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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.

The report shall not be reproduced except in full without approval of the laboratory.

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.

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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Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Kevin Jagers, Director, Food Microbiology Eastern Canada responsible for Ontario Food laboratory operations.

Total Cover Pages : 2

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Bureau Veritas 6660 Campobello Road, Mississauga, Ontario, L5N 2L9 Tel: (905) 817-5700 Toll-Free: 800-563-6266 Fax: (905) 817-5778 www.bvna.com

Microbiology testing is conducted at 6660 Campobello Rd. Chemistry testing is conducted at 6740 Campobello Rd.



RESULTS OF ANALYSES OF WATER

Bureau Veritas ID		AEND35	AEND56	AEND57	
Sampling Date		2024/09/30 16:00	2024/09/30 16:00	2024/09/30 16:00	
COC Number		1014592-01-01	1014592-01-01	1014592-01-01	
	UNITS	RO WATER	DISTILLED WATER	DI WATER	RDL
Anion Sum	me/L	0.137	0.000	0.0240	N/A
Bicarb. Alkalinity (calc. as CaCO ₃)	mg/L	3.7	ND	1.2	1.0
Calculated TDS	mg/L	9.0	ND	1.0	1.0
Carb. Alkalinity (calc. as CaCO ₃)	mg/L	ND	ND	ND	1.0
Cation Sum	me/L	0.154	0.00100	0.00100	N/A
Hardness (CaCO ₃)	mg/L	ND	ND	ND	1.0
Ion Balance (% Difference)	%	NC	NC	NC	N/A
Langelier Index (@ 20C)	N/A	NC	NC	NC	N/A
Langelier Index (@ 4C)	N/A	NC	NC	NC	N/A
Saturation pH (@ 20C)	N/A	NC	NC	NC	N/A
Saturation pH (@ 4C)	N/A	NC	NC	NC	N/A
Ammonia-N	mg/L	ND	ND	ND	0.050
Chlorine	mg/L	0.1	ND	ND	0.1
Conductivity	umho/cm	18	1.2	1.0	1.0
Organic Carbon	mg/L	ND	ND	ND	0.40
Orthophosphate (P)	mg/L	ND	ND	ND	0.010
pH	pH	6.47	5.92	6.12	N/A
Sulphate (SO ₄)	mg/L	ND	ND	ND	1.0
Alkalinity (Total as CaCO ₃)	mg/L	3.7	ND	1.2	1.0
Chloride (Cl ⁻)	mg/L	1.5	ND	ND	1.0
Nitrite (N)	mg/L	ND	ND	ND	0.010
Nitrate (N)	mg/L	0.27	ND	ND	0.10
RDL = Reportable Detection Limit					
N/A = Not Applicable					
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.					



ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

Bureau Veritas ID		AEND35	AEND56	AEND57	
Sampling Date		2024/09/30 16:00	2024/09/30 16:00	2024/09/30 16:00	
COC Number		1014592-01-01	1014592-01-01	1014592-01-01	
	UNITS	RO WATER	DISTILLED WATER	DI WATER	RDL
Aluminum (Al)	ug/L	ND	ND	ND	4.9
Antimony (Sb)	ug/L	ND	ND	ND	0.50
Arsenic (As)	ug/L	ND	ND	ND	1.0
Barium (Ba)	ug/L	ND	ND	ND	2.0
Beryllium (Be)	ug/L	ND	ND	ND	0.40
Boron (B)	ug/L	17	ND	ND	10
Cadmium (Cd)	ug/L	ND	ND	ND	0.090
Calcium (Ca)	ug/L	ND	ND	ND	200
Chromium (Cr)	ug/L	ND	ND	ND	5.0
Cobalt (Co)	ug/L	ND	ND	ND	0.50
Copper (Cu)	ug/L	ND	ND	ND	0.90
Iron (Fe)	ug/L	ND	ND	ND	100
Lead (Pb)	ug/L	ND	ND	ND	0.50
Lithium (Li)	ug/L	ND	ND	ND	5.0
Magnesium (Mg)	ug/L	ND	ND	ND	50
Manganese (Mn)	ug/L	ND	ND	ND	2.0
Molybdenum (Mo)	ug/L	ND	ND	ND	0.50
Nickel (Ni)	ug/L	ND	ND	ND	1.0
Phosphorus (P)	ug/L	ND	ND	ND	100
Potassium (K)	ug/L	ND	ND	ND	200
Selenium (Se)	ug/L	ND	ND	ND	2.0
Silicon (Si)	ug/L	270	ND	ND	50
Silver (Ag)	ug/L	ND	ND	ND	0.090
Sodium (Na)	ug/L	3500	ND	ND	100
Strontium (Sr)	ug/L	ND	ND	ND	1.0
Thallium (Tl)	ug/L	ND	ND	ND	0.050
Titanium (Ti)	ug/L	ND	ND	ND	5.0
Uranium (U)	ug/L	ND	ND	ND	0.10
Vanadium (V)	ug/L	ND	ND	ND	0.50
Zinc (Zn)	ug/L	ND	ND	ND	5.0
RDL = Reportable Detection Limit					
ND = Not Detected at a concentration equal or greater than the indicated Detection Limit.					



BUREAU
VERITAS

Bureau Veritas Job #: C4U7526
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Savarin Springs Inc

GENERAL COMMENTS

The following changes were requested by Marcus Pfeil on 2024/10/08.
Sample AEND57 Sample ID SPRING WATER changed to DI WATER

Results relate only to the items tested.



VALIDATION SIGNATURE PAGE

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

Louise Harding, Scientific Specialist

Bureau Veritas has procedures in place to guard against improper use of the electronic signature and have the required "signatories", as per ISO/IEC 17025, signing the reports. For Service Group specific validation, please refer to the Validation Signatures page if included, otherwise available by request. For Department specific Analyst/Supervisor validation names, please refer to the Test Summary section if included, otherwise available by request. This report is authorized by Kevin Jagers, Director, Food Microbiology Eastern Canada responsible for Ontario Food laboratory operations.