



Your P.O. #: LINDA

Attention: Marcus Pfeil

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

Report Date: 2021/04/19
Report #: R6600810
Version: 1 - Final

CERTIFICATE OF ANALYSIS

BV LABS JOB #: C195902

Received: 2021/04/12, 16:00

Sample Matrix: Water
Samples Received: 3

Analyses	Quantity	Date Extracted	Date Analyzed	Laboratory Method	Analytical Method
Alkalinity	3	N/A	2021/04/14	CAM SOP-00448	SM 23 2320 B m
Carbonate, Bicarbonate and Hydroxide	3	N/A	2021/04/15	CAM SOP-00102	APHA 4500-CO2 D
Chloride by Automated Colourimetry	2	N/A	2021/04/15	CAM SOP-00463	SM 23 4500-Cl E m
Chloride by Automated Colourimetry	1	N/A	2021/04/16	CAM SOP-00463	SM 23 4500-Cl E m
Conductivity	3	N/A	2021/04/14	CAM SOP-00414	SM 23 2510 m
Dissolved Organic Carbon (DOC) (1)	3	N/A	2021/04/15	CAM SOP-00446	SM 23 5310 B m
Hardness (calculated as CaCO3)	3	N/A	2021/04/15	CAM SOP 00102/00408/00447	SM 2340 B
Metals Analysis by ICPMS (as received) (2)	3	N/A	2021/04/14	CAM SOP-00447	EPA 6020B m
Ion Balance (% Difference)	2	N/A	2021/04/15		
Ion Balance (% Difference)	1	N/A	2021/04/16		
Anion and Cation Sum	3	N/A	2021/04/15		
Total Ammonia-N	3	N/A	2021/04/14	CAM SOP-00441	USGS I-2522-90 m
Nitrate (NO3) and Nitrite (NO2) in Water (3)	1	N/A	2021/04/16	CAM SOP-00440	SM 23 4500-NO3I/NO2B
Nitrate (NO3) and Nitrite (NO2) in Water (3)	2	N/A	2021/04/17	CAM SOP-00440	SM 23 4500-NO3I/NO2B
pH	3	2021/04/14	2021/04/14	CAM SOP-00413	SM 4500H+ B m
Orthophosphate	2	N/A	2021/04/15	CAM SOP-00461	EPA 365.1 m
Orthophosphate	1	N/A	2021/04/16	CAM SOP-00461	EPA 365.1 m
Sat. pH and Langelier Index (@ 20C)	2	N/A	2021/04/15		Auto Calc
Sat. pH and Langelier Index (@ 20C)	1	N/A	2021/04/16		Auto Calc
Sat. pH and Langelier Index (@ 4C)	2	N/A	2021/04/15		Auto Calc
Sat. pH and Langelier Index (@ 4C)	1	N/A	2021/04/16		Auto Calc
Sulphate by Automated Colourimetry	2	N/A	2021/04/15	CAM SOP-00464	EPA 375.4 m
Sulphate by Automated Colourimetry	1	N/A	2021/04/16	CAM SOP-00464	EPA 375.4 m
Total Dissolved Solids (TDS calc)	2	N/A	2021/04/15		Auto Calc
Total Dissolved Solids (TDS calc)	1	N/A	2021/04/16		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



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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.

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 your Project Manager.
Jared Bowers, Customer Service Representative
Email: Jared.Bowers@bureauveritas.com
Phone# (905)817-5834

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RESULTS OF ANALYSES OF WATER

BV Labs ID		PHJ635	PHJ685	PHJ686	
Sampling Date		2021/04/12 11:00	2021/04/12 11:00	2021/04/12 11:00	
	UNITS	DISTILLED WATER	D I WATER	REVERSE OSMOSIS WATER	RDL
Anion Sum	me/L	0.000	0.000	0.181	N/A
Bicarb. Alkalinity (calc. as CaCO3)	mg/L	ND	ND	4.6	1.0
Calculated TDS	mg/L	ND	ND	11	1.0
Carb. Alkalinity (calc. as CaCO3)	mg/L	ND	ND	ND	1.0
Cation Sum	me/L	0.00100	0.00100	0.174	N/A
Hardness (CaCO3)	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
Conductivity	umho/cm	1.8	ND	21	1.0
Organic Carbon	mg/L	ND	ND	ND	0.40
Orthophosphate (P)	mg/L	ND	ND	ND	0.010
pH	pH	6.00	5.84	6.61	N/A
Sulphate (SO4)	mg/L	ND	ND	ND	1.0
Alkalinity (Total as CaCO3)	mg/L	ND	ND	4.6	1.0
Chloride (Cl-)	mg/L	ND	ND	3.2	1.0
Nitrite (N)	mg/L	ND	ND	ND	0.010
Nitrate (N)	mg/L	ND	ND	ND	0.10
RDL = Reportable Detection Limit N/A = Not Applicable ND = Not detected					



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ELEMENTS BY ATOMIC SPECTROSCOPY (WATER)

BV Labs ID		PHJ635	PHJ685	PHJ686	
Sampling Date		2021/04/12 11:00	2021/04/12 11:00	2021/04/12 11:00	
	UNITS	DISTILLED WATER	D I WATER	REVERSE OSMOSIS 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	ND	ND	29	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	1.2	ND	ND	0.90
Iron (Fe)	ug/L	ND	ND	ND	100
Lead (Pb)	ug/L	ND	ND	ND	0.50
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	ND	ND	430	50
Silver (Ag)	ug/L	ND	ND	ND	0.090
Sodium (Na)	ug/L	ND	ND	4000	100
Strontium (Sr)	ug/L	1.2	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					



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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 the following individual(s).

Eva Pranjic


Ewa Pranjic, M.Sc., C.Chem, Scientific Specialist

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