

Report ID: 473446-IAS
 Report Date: 21-Feb-23
 Date Received: 08-Feb-23

CERTIFICATE OF ANALYSIS

for
 Eau De Source Naturelle
 12271 Route 11
 Village Blanchard, NB E8P 1R4



921 College Hill Rd
 Fredericton NB
 Canada E3B 6Z9
 Tel: 506.452.1212
 Fax: 506.452.0594
 www.rpc.ca

Attention: Steve Hébert

Project #: 1

Location: Village blanchard

Analysis of Potable Water

RPC Sample ID:					473446-1
Client Sample ID:					Jano 22gr 500ml sealed bottle
Date Sampled:					7-Feb-23
Analytes	Units	RL	MAC	AO	
Alkalinity (as CaCO ₃)	mg/L	2	-	-	61
Bromine	mg/L	0.01	-	-	0.03
Chloride	mg/L	0.5	-	250	6.5
Colour	TCU	5	-	15	< 5
Conductivity	µS/cm	1	-	-	167
Fluoride	mg/L	0.05	1.5	-	0.10
Nitrate + Nitrite (as N)	mg/L	0.05	10	-	< 0.05
Nitrate (as N)	mg/L	0.05	10	-	< 0.05
Nitrite (as N)	mg/L	0.05	1	-	< 0.05
pH	units	-	-	-	7.9
Phosphorus	mg/L	0.02	-	-	< 0.02
Sulfate	mg/L	1	-	500	6
Turbidity	NTU	0.1	-	-	0.5
Bromate	mg/L	0.0003	-	-	0.0053
Calculated Parameters					
Hardness (as CaCO ₃)	mg/L	0.2	-	-	71.4
TDS (calc)	mg/L	-	-	500	81
Saturation pH (5°C)	units	-	-	-	8.5
Langelier Index (5°C)	-	-	-	-	-0.62

This report relates only to the sample(s) and information provided to the laboratory.

RL = Reporting Limit; MAC = Maximum Acceptable Concentration; AO = Aesthetic Objective

Guidelines are from Guidelines for Canadian Drinking Water Quality.

Matthew Norman
 Interim Director
 Inorganic Analytical Chemistry

Brannen Burhoe
 Supervisor
 Inorganic Analytical Services

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Location: Village blanchard

Analysis of Metals in Potable Water

RPC Sample ID:					473446-1
Client Sample ID:					Jano 22gr 500ml sealed bottle
Date Sampled:					7-Feb-23
Analytes	Units	RL	MAC	AO	
Aluminum	mg/L	0.001	2.9	-	< 0.001
Antimony	mg/L	0.0001	0.006	-	< 0.0001
Arsenic	mg/L	0.001	0.01	-	< 0.001
Barium	mg/L	0.001	2	-	0.085
Beryllium	mg/L	0.0001	-	-	< 0.0001
Bismuth	mg/L	0.001	-	-	< 0.001
Boron	mg/L	0.001	5	-	0.013
Cadmium	mg/L	0.00001	0.007	-	< 0.00001
Calcium	mg/L	0.05	-	-	18.5
Chromium	mg/L	0.001	0.05	-	< 0.001
Cobalt	mg/L	0.0001	-	-	< 0.0001
Copper	mg/L	0.001	2	1	0.002
Iron	mg/L	0.02	-	0.3	< 0.02
Lead	mg/L	0.0001	0.005	-	< 0.0001
Lithium	mg/L	0.0001	-	-	0.0021
Magnesium	mg/L	0.01	-	-	6.11
Manganese	mg/L	0.001	0.12	0.02	< 0.001
Mercury	mg/L	0.000025	0.001	-	< 0.000025
Molybdenum	mg/L	0.0001	-	-	0.0002
Nickel	mg/L	0.001	-	-	< 0.001
Potassium	mg/L	0.02	-	-	0.67
Rubidium	mg/L	0.0001	-	-	0.0003
Selenium	mg/L	0.001	0.05	-	< 0.001
Silver	mg/L	0.0001	-	-	< 0.0001
Sodium	mg/L	0.05	-	200	5.60
Strontium	mg/L	0.001	7	-	0.082
Tellurium	mg/L	0.0001	-	-	< 0.0001
Thallium	mg/L	0.0001	-	-	< 0.0001
Tin	mg/L	0.0001	-	-	< 0.0001
Uranium	mg/L	0.0001	0.02	-	< 0.0001
Vanadium	mg/L	0.001	-	-	< 0.001
Zinc	mg/L	0.001	-	5	< 0.001

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Methods

<u>Analyte</u>	<u>RPC SOP #</u>	<u>Method Reference</u>	<u>Method Principle</u>
pH	IAS-M03	APHA 4500-H ⁺ B	pH Electrode - Electrometric
Alkalinity (as CaCO ₃)	IAS-M43	EPA 310.2	Methyl Orange Colourimetry
Bromate	-	EPA6850	LC/MS/MS (subcontracted)
Chloride	IAS-M44	APHA 4500-CL E	Ferricyanide Colourimetry
Fluoride	IAS-M30	APHA 4500-F- D	SPADNS Colourimetry
Sulfate	IAS-M45	APHA 4500-SO ₄ E	Turbidimetry
Nitrate + Nitrite (as N)	IAS-M48	APHA 4500-NO ₃ H	Hydrazine Red., Derivization, Colourimetry
Nitrite (as N)	IAS-M49	APHA 4500-NO ₂ - B	Ferrous Ammonium Sulfate Colourimetry
Turbidity	IAS-M06	APHA 2130 B	Nephelometry
Colour	IAS-M55	APHA 2120 Color (A,C)	Single Wavelength Spectrophotometry
Conductivity	IAS-M04	APHA 2510 B	Conductivity Meter - Electrode
Trace Metals	IAS-M01/IAS-M29	EPA 200.8/EPA 200.7	ICP-MS/ICP-ES
Mercury	IAS-M52	EPA 245.1	Cold Vapor AAS