Chanalytical Laboratories Inc.

347 Main St, Unit 1B
Gorham, ME 04038

Phone: 207-747-1815
Email: Labs@chanalytical.com

Certificate of Analysis

Attention: **A-Z Water Systems**
1164 Lewiston Rd, New Gloucester, ME 04260
207-776-6210
benoit@a-zwatersystems.com

Location: 465 Pond Rd
Wales ME 04280

Sample Type: Potability

Lab ID Number: 102524-09
Date/Time Collected: 10-24-24 1300
Date/Time Received: 10-25-24 1258
Date Reported: 10-28-24

Legend
- Meets Acceptable EPA Limits
- See Notation
- Does Not Meet EPA Limits

Parameter	Your Result:	EPA Limit:	Unit:	Method:	Preparation Date/Time:	Analysis Date/Time:
Chloride, Total	7.00	250	mg/L	SM4500Cl E		10-25-24 1725
Fluoride	0.45	4.0	mg/L	SM4500F E		10-25-24 1727
Nitrite-Nitrogen, Total	<0.20	1	mg/L	EPA 354.1		10-25-24 1630
Nitrate-Nitrogen, Total	6.80	10	mg/L	SM4500NO3 E		10-25-24 1656
Arsenic, Total	<1.00	10.0	µg/L	EPA 200.8	10-28-24 0918	10-28-24 0918
Lead, Total	1.06	15.0	µg/L	EPA 200.8	10-28-24 0918	10-28-24 0918
Uranium, Total	<1.00	30	µg/L	EPA 200.8	10-28-24 0918	10-28-24 0918
Copper, Total	0.01	1.3	mg/L	EPA 200.8	10-28-24 0918	10-28-24 0918
Iron, Total	8.48	0.3	mg/L	EPA 200.8	10-28-24 0918	10-28-24 0918
Manganese, Total	0.10	0.05	mg/L	EPA 200.8	10-28-24 0918	10-28-24 0918
Sodium, Total	21.02		mg/L	EPA 200.8	10-28-24 0918	10-28-24 0918
Hardness by calculation	47.41		mg/L	EPA 200.8	10-28-24 0918	10-28-24 0918
Calcium, Total	13.57		mg/L	EPA 200.8	10-28-24 0918	10-28-24 0918
Magnesium, Total	3.29		mg/L	EPA 200.8	10-28-24 0918	10-28-24 0918
pH Electrometric	6.74	6.5 to 8.5		SM4500H+B		10-25-24 1334
Total Coliform - Colitag	<1	1	MPN	SM9223 B	10-25-24 1728	10-28-24 0733
E. coli - Colitag	<1	1	MPN	SM9223 B	10-25-24 1728	10-28-24 0733

Comments:

Authorized By: Medini Weerasinghe Review Date: 10/28/2024

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Owner: 465 Pond Rd
Location: Wales ME 04280
Sample Type: Potability

Legend
- Meets Acceptable EPA Limits
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Parameter	Your Result:	EPA Limit:	Unit:	Method:	Preparation Date/Time:	Analysis Date/Time:
Nitrite-Nitrogen, Total	<0.20	1	mg/L	SM4500NO2 E		10-25-24 1630
Nitrate-Nitrogen, Total	6.80	10	mg/L	SM4500NO3 E		10-25-24 1656
Lead, Total	1.06	15.0	µg/L	EPA 200.8	10-28-24 0918	10-28-24 0918
Total Coliform - Colitag	<1	1	MPN	SM9223 B	10-25-24 1728	10-28-24 0733
E. coli - Colitag	<1	1	MPN	SM9223 B	10-25-24 1728	10-28-24 0733

Comments:

Authorized By: Medini Weerasinghe Review Date: 10/28/2024

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The following Notations may be referenced above.

Notation 1: The Maximum Exposure Guideline (MEG) is a health-based guideline set by the Maine Center for Disease Control and Prevention (MECDC). MEGs are recommendations for concentrations of chemical contaminants for all drinking water systems below which there is minimal risk of a harmful health effect resulting from long-term ingestion of contaminated water. These recommendations can be found online at https://www.maine.gov/dhhs/mecdc/environmental-health/eohp/wells/documents/megtable2016.pdf. Please contact one of the State of Maine's Bureau of Health Toxicologists, toll free, at 1-866-292-3474 for more information.

Notation 2: The Maximum Contamination Level (MCL) is set by the United States Environmental Protection Agency (USEPA) through the National Primary Drinking Water Regulations and are legally enforceable drinking water standards that apply to all public water systems. These regulations can be found online at https://www.epa.gov/dwreginfo/drinking-water-regulations or by calling the Safe Drinking Water Hotline at 1-800-426-4791. Contaminants at or above the MCL are considered to impart potential negative health effects.

Notation 3: The Secondary Maximum Contamination Level (SMCL) is set by the United States Environmental Protection Agency (USEPA) through the National Secondary Drinking Water Regulations and these contaminants are not considered to present a risk to human health at the SMCL . These regulations can be found online at https://www.epa.gov/sdwa/secondary-drinking-water-standards-guidance-nuisance-chemicals or by calling the Safe Drinking Water Hotline at 1-800-426-4791. Contaminants at or above (or below, only for pH) the SMCL may cause aesthetic considerations, such as taste, color and/or odor.

Notation 4: According to the EPA revised total coliform rule (effective April 1st, 2016) total coliform bacteria are no longer considered a primary contaminant. Total coliform bacteria are still used as indicator organisms for the presence of pathogens. Their presence in drinking water may indicate there is a route for pathogens (certain bacteria, viruses or protozoa) to enter the drinking water. Even though there is no longer an EPA limit, the presence of total coliform bacteria in drinking water is a problem requiring further action and investigation. If your water has tested positive for total coliform bacteria it is important to examine your water system and take action to eliminate the total coliform bacteria when possible.

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If you have any questions regarding your results please call 207-747-1815

Reporting Limits: Chloride 0.50, Floride 0.20, Nitrite 0.20, Nitrale 0.50, Arsenic 1.00, Lead 1.00, Uranium 1.00, Copper 0.002, Iron 0.005, Manganese 0.01, Sodium 1.00, Calcium 0.50, Magnesium 0.10, PH 2.00, Sulfate 2.00, Alkalinity 2.00, Antimony 0.001, Chromium 0.001, Cadmium 0.001

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