

LIVESTOCK WATER ANALYSIS REPORT

Sample Number: 27512710
 Date Sampled:
 Date Received: 04/02/2021
 Date Mailed: 04/05/2021
 Description: SPRING WATER 3/31/21
 Statement ID: NO FARM NAME

<u>Component</u>	<u>Result</u>	<u>Expected *</u>	<u>Possible problems for mature cattle. **</u>
Total Coliform / 100 ml	> 1	< 1	15
e. Coli	Negative		
Nitrates, ppm	ND	0 - 44	100
Nitrates - Nitrogen, ppm	ND	0 - 10	23
Sulfates, ppm	5	0 - 250	1000
Sulfates - Sulfur, ppm	2	0 - 83	333
Chlorides, ppm	12	0 - 250	300
Hardness, ppm CaCO ₃	30	0 - 370	
Total Dissolved Solids (TDS), ppm	66	0 - 500	3,000
Calcium (Ca), ppm	8.7	0 - 100	500
Phosphorus (P), ppm	.1	0 - 0.3	0.7
Magnesium (Mg), ppm	1.9	0 - 29	125
Potassium (K), ppm	3.8	0 - 20	20
Sodium (Na), ppm	8.0	0 - 100	300
Iron (Fe), ppm	< 0.01	0 - 0.3	0.3 (taste)
Zinc (Zn), ppm	< 0.01	0 - 5	25
Copper (Cu), ppm	< 0.01	0 - 0.6	0.6
Manganese (Mn), ppm	< 0.01	0 - 0.05	0.05 (taste)
Molybdenum (Mo), ppm	< 0.01	0 - 0.07	.07
pH	6.2	6.8 - 7.5	< 5.5 or > 8.5

ND = None Detected

* Based primarily on criteria for water fit for human consumption.

** Based primarily on research literature and field experiences.

Source: Dairy Reference Manual, 3rd ed., NRAES-63, June 1995.