

IRRIGATION WATER QUALITY REPORT



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Customer Contact:	
Name:	Jane Doe
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Date Received:	12/18/2025
Report date:	12/22/2025
Report Approved by:	ZM QC Approved by: LS

Analysis Type	Result	Optimal Range
pH	8.1	6.5 - 8.5
Electrical Conductivity * EC (dS/m)	0.34	N/A

Sample Info:
Received by: IA
Sample Name: Water
Lab ID: 100W w4

Macronutrients		
Analyte Type in ppm	Result	Optimal Range (ppm)
Calcium (Ca)	23.0	N/A
Magnesium (Mg)	2.3	N/A
Potassium (K)	ND	N/A
Sodium (Na)	7.8	N/A
Nitrate (NO ₃ ⁻ -N)	ND	10
Phosphate (PO ₄ ³⁻ -P)	0.6	5

Interpretations & Recommendations:
Total Hardness ppm = 67 ppm
MODERATELY HARD
The bulk of this number is from dissolved calcium (23 ppm), which is common in spring and well water. Calcium carbonate is extremely soluble and dissolves readily into water.

Micronutrients		
Analyte Type in ppm	Result	Optimal Range (ppm)
Zinc (Zn)	ND	5
Manganese (Mn)	ND	0.05
Copper (Cu)	ND	1.3
Iron (Fe)	ND	0.3
Boron (B)	0.2	N/A
Chloride (Cl)	18	<250

Calculated Water Hardness		
Analysis Type	Result*	Optimal Ratio
Hardness	67	

ND - No Detection - This means there was not a detected amount of this substance in your water sample.

Drinking water thresholds for pH, chloride, nitrate and phosphate adapted from EPA's national primary and secondary drinking water regulations.

*Water Hardness Scale (Adapted from federal water quality standards):
- Soft: Below 0 - 60 ppm
- Moderately Hard: 61 - 120 ppm
- Hard: 121 - 180 ppm
- Very Hard: > 180 ppm