IRRIGATION WATER QUALITY REPORT



Imperial Analytics 1703 Giuntoli Lane Suite B Arcata, CA 95521 707-630-4173 Monday - Friday 9 a.m. - 5 p.m. lab@imperialanalytics

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

| 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 | |

| 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 Hardess | | | |
|--------------------------|---------|---------------|--|
| Analysis Type | Result* | Optimal Ratio | |
| Hardness | 67 | | |

| Customer Contact: | | | |
|----------------------------------|-----------------|----|--|
| Name: Jane Doe | | | |
| Phone: 707-630-4173 | | | |
| Email: lab@imperialanalytics.com | | | |
| Date Received: 01/18/2019 | | | |
| Report date: 01/22/2019 | | | |
| Report Approved by: ZM | QC Approved by: | LS | |

Sample Info:

Received by: IA

Sample Name: Water

Lab ID: 100W w4

Interpretations & Recommendations:

For further details and recommendations about your report give us a call to discuss consultation and fertility management options. You can also check out our website at www.imperialanalytics.com for more information, helpful hints and disclaimers.

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.

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 | | |