

**Water Analysis Report**

Soil, Water and Forage Testing Laboratory  
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Report generated for:

**[REDACTED]**

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Laboratory #: 31337  
Customer Sample ID: 1  
Date Processed: 6/13/2016  
Sample from Jeff Davis County  
Water Source =Well

Format based on publication SCS-2002-12

Water Use =Irrigation

Parameter analyzed	Results	Units	Method	V. Limiting	Limiting	Acceptable
Calcium (Ca)	41	ppm	ICP			*****
Magnesium (Mg)	18	ppm	ICP			*****
Sodium (Na)	70	ppm	ICP			*****
Potassium (K)	< 1	ppm	ICP			*****
Boron (B)	0.07	ppm	ICP			*****
Carbonate (CO <sub>3</sub> )	0	ppm	Titr.			*****
Bicarbonate (HCO <sub>3</sub> )	341	ppm	Titr.			*****
Sulfate (SO <sub>4</sub> <sup>-</sup> calculated from total S)	18	ppm	ICP			*****
Chloride (Cl <sup>-</sup> )	12	ppm	Titr.			*****
Nitrate-N (NO <sub>3</sub> -N)	0.48	ppm	Cd-red.			*****
Phosphorus (P)	0.02	ppm	ICP			*****
pH	7.09		ISE			*****
Conductivity	635	umhos/cm	Cond.			*****
Hardness	10	grains CaCO <sub>3</sub> /gallon	Calc.			*****
Hardness	179	ppm CaCO <sub>3</sub>	Calc.			*****
Alkalinity	280	ppm CaCO <sub>3</sub>	Calc.		*****	*****
Total Dissolved Salts (TDS)	502	ppm	Calc.			*****
SAR	2.3		Calc.			*****
Iron (Fe)	< 0.01	ppm	ICP			*****
Zinc (Zn)	0.14	ppm	ICP			*****
Copper (Cu)	< 0.01	ppm	ICP			*****
Manganese (Mn)	< 0.01	ppm	ICP			*****
Arsenic (As)						
Barium (Ba)						
Nickel (Ni)						
Cadmium (Cd)						
Lead (Pb)						
Chromium (Cr)						
Fluoride (F)						
Charge Balance (cation/anion*100)	105		Calc.			

ppm=parts per million=milligrams per liter

N/A, not applicable for this water use

Descriptions of each water parameter, potential use issues and target levels are provided in publication SCS-2002-10, Description of Water Analysis Parameters.

ICP, Inductively coupled plasma; Titr., titration; ISE, ion selective electrode; Cd-red., cadmium reduction; cond., conductivity; calc., calculated