



Soil and Plant Laboratorio del Ecuador, Cia Ltda.

Filial de Soil and Plant Laboratory, Inc. Santa Clara, California U.S.A.

Portete 260 y Eloy Alfaro
Teléfono: 243-991 , 243-993
Telefax: 459-647
Quito, Ecuador

IRRIGATION WATER AGRICULTURAL SUITABILITY (A71)

JUMBO ROSES CIA. LTDA.

Teresa de Cepeda 357

Quito, Ecuador

Attention: Ing. Harold Zuniga

Sample Taken: 8/30/99

Sample Rec'd: 9/ 2/99

Sample # 22 Muestra de Agua de Pozo - Fuente Principal 99-A23632 61

Quito Office

Lab No. S-389

ROSA

CATIONS		ppm	meq/l	ANIONS		ppm	meq/l
Sodium	Na	27	1.17	Chloride	Cl	3	0.08
Calcium	Ca	21	1.06	Sulfate	SO4	3	0.07
Magnesium	Mg	18	1.52	Bicarbonate	HCO3	235	3.85
Potassium	K	4	0.10	Carbonate	CO3	0	0.00
Ammonium	NH4	0	0.00	Nitrate	NO3	4	0.06
				Phosphate	PO4	0	0.00
SUM OF CATIONS			3.85	SUM OF ANIONS			4.06

Hydrogen Ion Activity	pH	8.4	Copper	Cu	< 0.02
Equilibrium Reaction	pHc	7.50	Zinc	Zn	0.02
Electrical Conductivity	ECw	0.35	Manganese	Mn	< 0.02
	dS/m		Iron	Fe	< 0.02
Adj Na Adsorption Ratio	RNa	1.08	Boron	B	0.08
			Fluoride	F	0.23
			Aluminum	Al	< 0.05
			Molybdenum	Mo	< 0.02

ppm - parts per million parts water

meq/l - milliequivalents per liter

9/ 8/99



Soil and Plant Laboratorio del Ecuador, Cia Ltda.

Filial de Soil and Plant Laboratory, Inc. Santa Clara, California U.S.A.

Portete 260 y Eloy Alfaro
Teléfono: 243-991 , 243-993
Telefax: 459-647
Quito, Ecuador

IRRIGATION WATER AGRICULTURAL SUITABILITY (A71)

JUMBO ROSES CIA. LTDA.

Teresa de Cepeda 357

Quito, Ecuador

Attention: Ing. Harold Zuniga

Sample Taken: 8/30/99

Sample Rec'd: 9/ 2/99

Sample # 23 Muestra de Agua de Reservorio - Fuente Alterna 99-A23633 61

Quito Office

Lab No. S-389

ROSA

CATIONS				ANIONS			
		ppm	meq/l			ppm	meq/l
Sodium	Na	24	1.04	Chloride	Cl	2	0.06
Calcium	Ca	18	0.92	Sulfate	SO4	3	0.07
Magnesium	Mg	16	1.29	Bicarbonate	HCO3	212	3.48
Potassium	K	4	0.10	Carbonate	CO3	0	0.00
Ammonium	NH4	0	0.00	Nitrate	NO3	4	0.06
				Phosphate	PO4	0	0.00
SUM OF CATIONS			3.35	SUM OF ANIONS			3.67

Hydrogen Ion Activity	pH	8.4	Copper	Cu	< 0.02
Equilibrium Reaction	pHc	7.61	Zinc	Zn	< 0.02
Electrical Conductivity	ECw	0.31	Manganese	Mn	< 0.02
	dS/m				
Adj Na Adsorption Ratio	RNA	1.03	Iron	Fe	0.77
			Boron	B	0.08
			Fluoride	F	0.24
			Aluminum	Al	1.11
			Molybdenum	Mo	< 0.02

9/ 8/99

ppm - parts per million parts water

meq/l - milliequivalents per liter