

CERTIFICATE OF ANALYSIS

ANALYSIS NUMBER: 0304304

Control

US Filter Analytical Lab
2375 Sanders Rd.
Northbrook, IL 60062

Customer PG-USA
AUTOCLAVED

Zip

Account LOWELL

Customer Account

SAMPLE Lab Water Stored 30 days in PC bottle and Autoclaved.

Analysis Type Group FC
 Sampled: 4/30/03 Supply/Source: Condition: DEIONIZED WATER
 Received: 5/5/03 Sampling EQUIPMENT Application:

ANALYSIS INFORMATION:

Turbidity(Method 180.1)	0.2 NTU	Turbidity after filtration	N.M.
Conductivity(Method	1.3 MMHOS/CM	Est. TDS by	0.8
Color(Method 2120C)	0.0	Color after Acidification	N.M.
pH(Method 150.1)	5.3	Tannins	N.D.

Concentrations reported as mg/L (PPM) unless otherwise

CATIONS (Method 200.7)

ANIONS (Method 300.0)

	As Element	As CaCo3		As	As CaCo3
Calcium (Ca)	N.D.	N.D.	Chloride (Cl)	N.D.	N.D.
Magnesium (Mg)	N.D.	N.D.	Nitrate/Nitrite	N.D.	N.D.
Sodium (Na)	0.2	0.4	Sulfate (SO4)	N.D.	N.D.
Potassium (K)	N.D.	N.D.	Bicarbonate	0	0.0
Strontium (Sr)	N.D.	N.D.	Carbonate	N.D.	N.D.
Barium (Ba)	N.D.	N.D.	Fluoride (F)	N.D.	N.D.
Iron (Fe)	N.D.		Silica (SiO2)	N.D.	
Manganese (Mn)	N.D.				
Copper (Cu)	0.008				
Zinc (Zn)	N.D.				

	Mg/L	GPG		Mg/L	GPG		Mg/L	GPG
Cations	0.4	0.03	Anions	.0	0.00	Hardness (CaCO3)	0	0.0

Additional

Total Organic	0.18mg/l	Thallium (Tl)	N.D.ug/l
Selenium (Se)	N.D.ug/l	Antimony (Sb)	N.D.ug/l
Lead (Pb)	N.D.ug/l	Mercury (Hg)	N.D.ug/l
Chromium (Cr)	N.D.ug/l	Cadmium (Cd)	0.21ug/l
Beryllium (Be)	N.D.ug/l	Arsenic (As)	N.D.ug/l
Aluminum (Al)	N.D.ug/l	Silver (Ag)	N.D.ug/l

*NA = Not Analyzed NM = Not Measured ND = Not Detected

This report can only be reproduced in its entirety. The results reported here are representative of the sample as received in the laboratory.

Richard Cook

FEDERAL SAFE DRINKING WATER

All tested parameters exceeding the maximum concentration levels (MCL) established indicated "Federal Safe Drinking Water"

<u>Parameter</u>	<u>Found</u>	Element	<u>MCL</u>
PRIMARY			
SECONDAR			

* MCL for Turbidity varies as follows:

1. Municipal Direct Filtration 0.5 NTU
2. Municipal Sand Filtration 1.0

TYPICAL POST RO DRINKING WATER UNITS

(Concentrations reported as mg/L (PPM) as the

Calcium (Ca)	<0.0	Iron (Fe)	<0.0
Magnesium	0.0	Manganese	<0.0
Sodium (Na)	0.0	Tests Zinc (Zn)	<0.0
Potassium	0.0	Copper (Cu)	0.0
Chloride (Cl)	0.0	Nitrate/Nitrite	0.0
Sulfate (SO4)	0.0	Fluoride (F)	0.0

These values are typical of new modules on water with a pH of 7-9 at 70-74 F with 500-3000 salts operating with 40-70 PSI pressure across the module. Local conditions may yield different

DI CALCULATION

			GPG	mg/	
Sodium	77.5%	Weak Base Fact X	0.0	0.0	
Alkalinity	0.0%	Carbonic Acid	0.0	0.0	
TX-TX269-2003A	Chloride	0.0%	Cation Fact Y	0.0	0.6
Carbonic Acid	0.0%	Silica	Mask	Mask	
Monovalent Ions	0.0%	Carbon Dioxide	0.0	0.0	
Silica	Mask%	Strong Base Fact Z	0.0	0.0	

Analysis

Method	Date	Method	Date
120.1	05/06/03	150.1	05/06/03
180.1	05/06/03	200.7	05/06/03
2120C	05/06/03	300.0	05/06/03