



...changing water, changing lives

Corporate Headquarters  
PO Box 17300  
Reno, NV 89511  
775-234-4003  
888.580.7040 fax

## Chemical Test Results

### Test Laboratories:

Seoul Metro Government Institute of Health and Environment, Korea  
Mizutek, USA;  
Microbac Laboratories, USA;  
Brandywine Science Center

In this test, a specially concocted “brew” containing over -limit quantities of every commonly detected dangerous chemical was passed through an Emco Tech Ionizer. The results show that contaminants were reduced in most cases to levels undetectable by the performing labs.

### Contaminant Standard mg / liter Result mg / liter

<b>KmnO4</b>	10.0	2.7
<b>Lead</b>	0.05	ND
<b>Fluoride</b>	1.5	ND
<b>Arsenic</b>	0.05	ND
<b>Cyanide</b>	0.01	ND
<b>Mercury</b>	0.001	ND
<b>Selenium</b>	0.01	ND
<b>Chromium (6+)</b>	0.05	ND
<b>Cadmium</b>	0.01	ND
<b>Phenol</b>	0.005	ND
<b>Diazinon</b>	0.02	ND
<b>Malathion</b>	0.25	ND
<b>Parathion</b>	0.06	ND
<b>Fenitrothion</b>	0.04	ND
<b>1,1,1 Trichloroethane</b>	0.1	ND
<b>Tetrachloroethylene</b>	0.03	ND
<b>Dichloromethane</b>	0.02	ND
<b>Benzene</b>	0.01	ND
<b>Xylene</b>	0.5	ND
<b>1,1 Dichloroethylene</b>	0.03	ND
<b>Carbon Tetrachloride</b>	0.002	ND
<b>Methylene Chloride</b>	25.0ppm	5.0ppm
<b>Nitrate</b>	10.0	1.82
<b>Iron</b>	0.3	<0.02
<b>Manganese</b>	0.05	<0.02
<b>Sodium</b>	20.0	8.0

(Note: ND indicates: not detectable within range of detection equipment)

Client: **Omnisphere Inc.**  
 Attention: **Greg Misumi**  
 Project:  
 P.O.:  
 Sample Type: **Water**  
 Date Sampled: **Oct 29/05**  
 Date Received: **Nov 02/05**  
 Date Analysed: **Nov 07-09/05**  
 Date Reported: **Nov 10/05**

**ENTECH**  
 A Division of Agri-Service Lab Inc.  
 6820 Kitimat Rd., Unit #4,  
 Mississauga, ON L5N 5M3  
 TEL: (905) 821-1112  
 FAX: (905) 821-2095

**Certificate of Analysis**  
 for  
**METAL SCAN**

Data Pertain To Specific Sample(s) Tested

PARAMETER	MDL µg/L	Technique	CONTROL	SAMPLE	SAMPLE DATA (µg/L)		
			Expected µg/L	Found µg/L	Blank	59187 EmcoTech Biostone	59187 EmcoTech Biostone Duplicate
Aluminum	30	ICP - AES	402	438	<30	<30	<30
Antimony	1	Hy - AAS	0.03	0.03	<1	<1	<1
Arsenic	1	Hy - AAS	258	248	<1	<1	<1
Barium	1	ICP - AES	854	819	<1	22.20	21.50
Beryllium	0.2	ICP - AES	96	102	<0.2	<0.2	<0.2
Boron	1	ICP - AES	898	855	<1	25.80	25.80
Cadmium	0.2	ICP - AES	507	489	<0.2	<0.2	<0.2
Calcium	20	ICP - AES	22100	23500	<20	40967	40817
Chromium	10	ICP - AES	376	374	<10	<10	<10
Cobalt	2	ICP - AES	777	818	<2	<2	<2
Copper	2	ICP - AES	346	341	<2	2.62	2.40
Iron	5	ICP - AES	338	346	<5	6.20	5.90
Lead	4	ICP - AES	197	209	<4	<4	<4
Magnesium	10	ICP - AES	4555	4404	<10	9226	9236
Manganese	1	ICP - AES	140	139	<1	1.10	1.00
Mercury	0.02	CV - AAS	3.74	3.5	<0.02	<0.02	<0.02
Molybdenum	7	ICP - AES	554	575	<7	<7	<7
Nickel	5	ICP - AES	469	463	<5	<5	<5
Potassium	100	ICP - AES	12800	13040	<100	2071	2081
Selenium	1	Hy - AAS	19	15.7	<1	<1	<1
Silver	1	ICP - AES	198	185	<1	<1	<1
Sodium	25	ICP - AES	21600	21970	<25	13779	13809
Vanadium	5	ICP - AES	557	1048	<5	<5	<5
Zinc	2	ICP - AES	274	273	<2	3	3

Note - Sample is not drinking water as per client.

Sample Disposal: 30 Days from the Reporting Date.

**Analyst(s): PI, MR, AP**  
**Metals: ICP-AES(EPA 3005/200.7/200.15)**



Sam Sanyal , M. Sc.,C.Chem.  
 Manager, Inorganic Analysis.