

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

Sample Type: Water
 Date Received: Nov 02, 2005
 Date Analysed: Nov 02-09, 2005
 Date Reported: Nov 10, 2005

Entech, an independent water testing lab, has tested two separate Jupiter Melody water ionizers using both "before" and "after" water quality samples. In this test, an ionization cell, combined with the biostone carbon filter media, is shown to effectively reduce the presence of both lead and arsenic, two toxins previously thought to be unaffected by water ionizers. This test also shows a reduction of sodium.

| Parameter | Units | "Before" Control Sample | "After" Jupiter Melody | "After" Jupiter Melody Duplicate |
|-----------------|-------|-------------------------------|------------------------------|---|
| Nitrate | g/mL | 76.58 | 1.25 | 1.27 |
| Nitrite | g/mL | 3.31 | <0.02 | <0.02 |
| Nitrate(as N) | g/mL | 17.29 | 0.28 | 0.29 |
| Nitrite(as N) | g/mL | 1 | <0.006 | <0.006 |
| Ortho Phosphate | g/mL | 12.21 | <0.05 | <0.05 |
| Fluoride | g/mL | 4.4 | 0.59 | 0.59 |
| Carbonate | g/mL | - | 9 | 10 |
| Bicarbonate | g/mL | - | 94 | 93 |
| Total Anions | meq/L | - | 3 | 3 |
| Calcium | g/mL | 23.5 | 41 | 41 |
| Magnesium | g/mL | 4.4 | 9.23 | 9.24 |
| Sodium | g/mL | 21.97 | 14 | 14 |
| Potassium | g/mL | 13.04 | 2.07 | 2.08 |
| Aluminum | g/mL | 0.84 | <0.05 | <0.05 |
| Lead | g/mL | 0.69 | <0.004 | <0.004 |
| Iron | g/mL | 1.52 | 0.01 | 0.01 |
| Manganese | g/mL | 0.34 | 0.002 | 0.001 |
| Zinc | g/mL | 5.313 | 0.003 | 0.003 |
| Total Cations | meq/L | - | 3 | 3 |

| | | | | |
|---------------------------------|--------------|------|-------|-------|
| Ion Balance | % Difference | - | 7 | 6 |
| Hardness (CaCO ₃) | g/mL | - | 140 | 140 |
| pH | - | 7.41 | 9.03 | 9.04 |
| Turbidity | NTU | 5.37 | <0.25 | <0.25 |
| Alkalinity (CaCO ₃) | g/mL | 25 | 104 | 104 |
| Colour | TCU | - | <1 | <1 |
| Total Dissolved Solids | g/mL | 308 | 208 | 218 |
| Langelier Index | - | - | 0.83 | 0.84 |
| Conductivity | mhos/cm | 147 | 299 | 292 |
| Ammonia (as N) | g/mL | 1.37 | 0.23 | 0.25 |
| Sulphate | g/mL | 9.97 | 24.68 | 24.55 |

Jupiter Water Ionizer's Certificate of Analysis - Dissolved Metals - Lead Removal

In a specific test for dissolved metals, Entech laboratories, shows the reduction of various metals present in the "before" control sample.

| Parameter | Maximum Detectable Testing Level | "Before" Control Sample | "After" Jupiter Melody | "After" Jupiter Melody Duplicate |
|-----------|----------------------------------|-------------------------|------------------------|----------------------------------|
| Aluminum | 30 | 438 | <30 | <30 |
| Antimony | 1 | 0.03 | <1 | <1 |
| Arsenic | 1 | 248 | <1 | <1 |
| Barium | 1 | 819 | 22.2 | 21.5 |
| Beryllium | 0.2 | 102 | <0.2 | <0.2 |
| Boron | 1 | 855 | 25.8 | 25.8 |
| Cadmium | 0.2 | 489 | <0.2 | <0.2 |
| Calcium | 20 | 23500 | 40967 | 40817 |
| Chromium | 10 | 374 | <10 | <10 |
| Cobalt | 2 | 818 | <2 | <2 |
| Copper | 2 | 341 | 2.62 | 2.4 |
| Iron | 5 | 346 | 6.2 | 5.9 |
| Lead | 4 | 209 | <4 | <4 |
| Magnesium | 10 | 4404 | 9226 | 9236 |

| | | | | |
|------------|------|-------|-------|-------|
| Manganese | 1 | 139 | 1.1 | 1 |
| Mercury | 0.02 | 3.5 | <0.02 | <0.02 |
| Molybdenum | 7 | 575 | <7 | <7 |
| Nickel | 5 | 463 | <5 | <5 |
| Potassium | 100 | 13040 | 2071 | 2081 |
| Selenium | 1 | 15.7 | <1 | <1 |
| Silver | 1 | 185 | <1 | <1 |
| Sodium | 25 | 21970 | 13779 | 13809 |
| Vanadium | 5 | 1048 | <5 | <5 |
| Zinc | 2 | 273 | 3 | 3 |

Tests used - ICP - AES, CV - AAS, Hy - AAS (< symbol, less than)

Filtering Common Contaminants Found in Drinking water

In this test, a specially concocted “brew” containing excessive quantities of every commonly detected dangerous chemical found in drinking water as passed through a Jupiter water ionizer. The results show that contaminants were reduced in most cases to levels undetectable by the performing labs.

Independent Test Laboratories:

The follow laboratories have been involved with this test of the Jupiter's water ionizer cell technology.

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

| Contaminant | Standard mg / litre | Result mg / litre |
|-------------|---------------------|-------------------|
| KmnO4 | 10 | 2.7 |
| Lead | 0.05 | Not Detectible |
| Fluoride | 1.5 | Not Detectible |
| Arsenic | 0.05 | Not Detectible |
| Cyanide | 0.01 | Not Detectible |

| | | |
|-----------------------|----------|----------------|
| Mercury | 0.001 | Not Detectible |
| Selenium | 0.01 | Not Detectible |
| Chromium | (6+)0.05 | Not Detectible |
| Cadmium | 0.01 | Not Detectible |
| Phenol | 0.005 | Not Detectible |
| Diazinon | 0.02 | Not Detectible |
| Malathion | 0.25 | Not Detectible |
| Parathion | 0.06 | Not Detectible |
| Fenitrothion | 0.04 | Not Detectible |
| 1,1,1 Trichloroethane | 0.1 | Not Detectible |
| Tetrachloroethylene | 0.03 | Not Detectible |
| Dichloromethane | 0.02 | Not Detectible |
| Benzene | 0.01 | Not Detectible |
| Xylene | 0.5 | Not Detectible |
| 1,1 Dichloroethylene | 0.03 | Not Detectible |
| Carbon Tetrachloride | 0.002 | Not Detectible |
| Methylene Chloride | 25.0ppm | 5.0ppm |
| Nitrate | 10 | 1.82 |
| Iron | 0.3 | <0.02 |
| Manganese | 0.05 | <0.02 |
| Sodium | 20 | 8 |