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# Testing Report

Beyond detection limits of 10 parts per billion

**Tank Name:** Display
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10/23/2017 2:46 PM

| Element | | Result | Concentration PPM Fiji | Florida | Hawaii | Saint Thomas | Element Function |
|---|---|---|---|---|---|---|---|
| Ag | Silver | 0 | 0 | | | 0 | |
| Al | Aluminum | 0.08 | .05 | .07 | .07 | .06 | Toxin |
| As | Arsenic | 0.05 | .01 | .04 | .01 | 0 | Toxin |
| B | Boron | 5.21 | 4.57 | 4.78 | 4.73 | 4.64 | Aids in coral coloration |
| Ba | Barium | 0.01 | 0 | .01 | .01 | 0 | Aids in skeletogenesis |
| Be | Beryllium | 0 | 0 | 0 | 0 | 0 | nutrient |
| Br | Bromine | 50.17 | 81.72 | | | 40.31 | |
| Ca | Calcium | 514.6 | 397.67 | 416.34 | 417.12 | 404.46 | Aids in skeletogenesis |
| Cd | Cadmium | 0 | 0 | 0 | 0 | 0 | Toxin or nutrient? |
| Ce | Cerium | 0 | 0 | | | 0 | |
| Cl | Chlorine | 19642.58 | 19415.27 | 19283.07 | 20453.92 | 19554.79 | Element that binds with sodium, magnesium, calcium and potassium in solid form. Creates NaCl, MgCL, CaCl, KCl. |
| Co | Cobalt | 0 | .01 | | | .02 | stimulates coral production, toxic when too high |
| Cr | Chromium | 0.01 | .02 | .01 | .01 | .02 | Toxin |
| Cu | Copper | 0 | 0 | .02 | 0 | 0 | Toxin |
| Fe | Iron | 0 | 0 | 0 | 0 | 0 | Improves coral coloration, growth and expansion |
| Ga | Gallium | 1.06 | .96 | | | .14 | |
| I | Iodine | 0.05 | .03 | .03 | .04 | 0 | essential for soft coral health and color enhancement |
| K | Potassium | 430.7 | 384.69 | 409.71 | 420.68 | 388.89 | Aids in coral coloration |
| La | Lanthanum | 0.01 | .01 | | | .01 | Lowers phosphates |
| Li | Lithium | 0.27 | .18 | .23 | .25 | .35 | |

We offer water additives on our site to help you keep levels of trace elements at their optimum levels. For adjustments in elements such as iron, potassium, iodine, or other trace elements, you can try Trace Colors ABCD or any of our other additives at www.icp-analysis.com/collections/water-additives.

| Element | | Concentration | | | | | |
|---|---|---|---|---|---|---|---|
| Mg | Magnesium | 1544.27 | 1239.34 | 1210.09 | 1285.25 | 1261.72 | Aids in skeletogenesis and prevents precipitation of calcium and bicarbonate |
| Mn | Manganese | 0 | 0 | 0 | 0 | 0 | Brings out natural colors in corals |
| Mo | Molybdenum | 0 | .23 | .01 | .01 | .01 | Assists in the growth of symbiotic algae within coral and invertebrate tissue |
| Na | Sodium | 11013.35 | 9729.05 | 9563.76 | 10172.61 | 10632.31 | |
| Ni | Nickel | 0.01 | .01 | 0 | 0 | .01 | |
| P | Phosphorus | 0.11 | .09 | .12 | .07 | .07 | Excessive amounts lead to extra algae growth |
| Pb | Lead | -0.01 | 0 | 0 | 0 | 0 | Toxin |
| Rb | Rubidium | -0.03 | 0 | 0 | 0 | 0 | |
| S | Sulfur | 872.47 | 951.56 | 1155.25 | 1163.54 | 975.75 | |
| Sb | Antimony | 0.01 | .03 | 0 | 0 | .01 | Toxin |
| Se | Selenium | 0 | 0 | 0 | 0 | 0 | Protects corals from oxygen damage |
| Si | Silicon | 0.23 | 0.17 | 0 | 0 | 0 | Toxin |
| Sn | Tin | 0.08 | 0 | .01 | .02 | .01 | Toxin |
| Sr | Strontium | 9.01 | 7.47 | 7.53 | 7.49 | 7.58 | Aids in skeletogenesis |
| Ti | Titanium | 0 | 0 | 0 | 0 | 0 | |
| Tl | Thallium | -0.05 | 0 | | | 0 | |
| U | Uranium | -0.12 | .07 | 0 | 0 | .18 | |
| V | Vanadium | 0 | 0 | .01 | 0 | 0 | |
| W | Tungsten | 0 | .13 | 0 | 0 | 0 | |
| Zn | Zinc | 0 | 0 | .02 | .01 | 0 | Toxic in large amounts |

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