Tank
Fluval Evo

Net size
52 liter

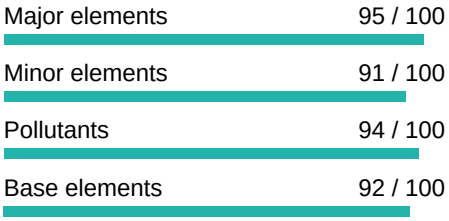
Reason for analysis
Tissue necrosis (slow, RTN)

Barcode
T75S-FJY8-RYJB-KSXC (ID: 399313)

| Created | Arrived in the laboratory | Evaluated |
|---|---|---|
| 10/29/2026 | 11/05/2026 | 11/06/2026 |




Quality assessment:
The quality of your aquarium water is assessed using the score in the circle. The closer it is to 100, the better the quality. You can also use the bar chart to identify the areas in which problems may occur.




## Results of Salt water

### Base elements

| | | |
|---|---|---|
| Sal. total<br>Salinity | 36.21 PSU<br>Ideal value: 35.00 PSU | ABOVE NORMAL<br>Attention |
| KH<br>Carbonate hardness | 8.50 °dKH<br>Ideal value: 7.50 °dKH | NORMAL<br>Near nature |

### Major elements

| | | |
|---|---|---|
| Cl<br>Chloride | 20843 mg/l<br>Ideal value: 20285 mg/l | NORMAL<br>Near nature |
| Na<br>Sodium | 10959 mg/l<br>Ideal value: 11269 mg/l | NORMAL<br>Near nature |
| Mg<br>Magnesium | 1506 mg/l<br>Ideal value: 1347 mg/l | ABOVE NORMAL<br>Attention |
| S<br>Sulfur | 891.9 mg/l<br>Ideal value: 932.3 mg/l | NORMAL<br>Near nature |
| Ca<br>Calcium | 454.6 mg/l<br>Ideal value: 431.3 mg/l | NORMAL<br>Near nature |
| K<br>Potassium | 414.5 mg/l<br>Ideal value: 418.0 mg/l | NORMAL<br>Near nature |
| Br<br>Bromine | 84.13 mg/l<br>Ideal value: 68.64 mg/l | ABOVE NORMAL<br>Attention |
| Sr<br>Strontium | 9.38 mg/l<br>Ideal value: 8.30 mg/l | NORMAL<br>Near nature |
| B<br>Boron | 4.59 mg/l<br>Ideal value: 4.61 mg/l | NORMAL<br>Near nature |
| F<br>Fluorine | 1.09 mg/l<br>Ideal value: 1.33 mg/l | NORMAL<br>Near nature |

## Minor elements

| | | | |
|---|---|---|---|
| Li<br>Lithium | | 295.8 µg/l<br>Ideal value: 174.2 µg/l | NORMAL<br>Near nature |
| Si<br>Silicon | | 159.7 µg/l<br>Ideal value: 102.4 µg/l | NORMAL<br>Near nature |
| I<br>Iodine | | 12.72 µg/l<br>Ideal value: 66.59 µg/l | CRITICALLY LOW<br>Critical |
| Ba<br>Barium | ms | 29.60 µg/l<br>Ideal value: 10.24 µg/l | NORMAL<br>Near nature |
| Mo<br>Molybdenum | ms | 8.155 µg/l<br>Ideal value: 12.29 µg/l | NORMAL<br>Near nature |
| Ni<br>Nickel | ms | 0.683 µg/l<br>Ideal value: 0.51 µg/l | NORMAL<br>Near nature |
| Rb<br>Rubidium | ms | 107.6 µg/l<br>Ideal value: 133.2 µg/l | NORMAL<br>Near nature |
| Mn<br>Manganese | ms | 0.547 µg/l<br>Ideal value: 1.02 µg/l | NORMAL<br>Near nature |
| As<br>Arsenic | ms | 0.420 µg/l<br>Ideal value: 0.51 µg/l | NORMAL<br>Near nature |
| Be<br>Beryllium | ms | ---<br>Ideal value: 0.10 µg/l | NORMAL<br>Near nature |
| Cr<br>Chrome | ms | 0.060 µg/l<br>Ideal value: 0.51 µg/l | NORMAL<br>Near nature |
| Co<br>Cobalt | ms | 0.110 µg/l<br>Ideal value: 0.10 µg/l | NORMAL<br>Near nature |
| Fe<br>Iron | ms | ---<br>Ideal value: 0.51 µg/l | BELOW NORMAL<br>Attention |
| Cu<br>Copper | ms | 1.715 µg/l<br>Ideal value: 0.51 µg/l | NORMAL<br>Near nature |
| Se<br>Selenium | ms | 0.231 µg/l<br>Ideal value: 0.51 µg/l | NORMAL<br>Near nature |
| Ag<br>Silver | ms | ---<br>Ideal value: 0.10 µg/l | NORMAL<br>Near nature |
| V<br>Vanadium | ms | 0.174 µg/l<br>Ideal value: 1.54 µg/l | BELOW NORMAL<br>Attention |
| Zn<br>Zinc | ms | 2.301 µg/l<br>Ideal value: 2.05 µg/l | NORMAL<br>Near nature |
| Sn<br>Tin | ms | 8.291 µg/l<br>Ideal value: 0.51 µg/l | ABOVE NORMAL<br>Attention |

## Nutrients

| | | | |
|---|---|---|---|
| NO3<br>Nitrate | | 5.13 mg/l<br>Ideal value: 2.00 mg/l | NORMAL<br>Near nature |
| P<br>Phosphorus | | 6.78 µg/l<br>Ideal value: 15.37 µg/l | CRITICALLY LOW<br>Critical |
| PO4<br>Phosphate | | 0.02 mg/l<br>Ideal value: 0.05 mg/l | CRITICALLY LOW<br>Critical |

## Pollutants

| | | | |
|---|---|---|---|
| Al.<br>Aluminium | | 155.6 µg/l<br>Ideal value: 0.10 µg/l | CRITICALLY HIGH<br>Critical |
| Sb<br>Antimony | | 7.654 µg/l<br>Ideal value: 0.10 µg/l | NORMAL<br>Near nature |
| Bi<br>Bismuth | | ---<br>Ideal value: 0.10 µg/l | NORMAL<br>Near nature |
| Pb<br>Lead | | 0.069 µg/l<br>Ideal value: 0.10 µg/l | NORMAL<br>Near nature |
| Cd<br>Cadmium | | ---<br>Ideal value: 0.20 µg/l | NORMAL<br>Near nature |
| La.<br>Lanthanum | | 0.003 µg/l<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Tl<br>Thallium | | 0.016 µg/l<br>Ideal value: 0.10 µg/l | NORMAL<br>Near nature |
| Ti<br>Titanium | | ---<br>Ideal value: 0.10 µg/l | NORMAL<br>Near nature |
| Nb<br>Niobium | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Nd<br>Neodym | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Zr<br>Zirconium | | 0.065 µg/l<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Ge<br>Germanium | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Ga<br>Gallium | | 0.109 µg/l<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| W<br>Tungsten | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Hg<br>Mercury | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Te<br>Tellur | | 0.120 µg/l<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |

## Results of Osmosis water

### Minor elements

| | | | |
|---|---|---|---|
| Li<br>Lithium | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Si<br>Silicon | | 323.7 µg/l<br>Ideal value: 0.001 µg/l | CRITICALLY HIGH<br>Critical |
| Ba<br>Barium | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Mo<br>Molybdenum | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Ni<br>Nickel | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Mn<br>Manganese | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| As<br>Arsenic | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Be<br>Beryllium | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Cr<br>Chrome | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Co<br>Cobalt | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Fe<br>Iron | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Cu<br>Copper | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Se<br>Selenium | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Ag<br>Silver | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| V<br>Vanadium | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Zn<br>Zinc | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Sn<br>Tin | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |

### Nutrients

| | | | |
|---|---|---|---|
| P<br>Phosphorus | | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| PO4<br>Phosphate | | ---<br>Ideal value: 0.001 mg/l | NORMAL<br>Near nature |

## Pollutants

| | | |
|---|---|---|
| Al.<br>Aluminium | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Sb<br>Antimony | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Bi<br>Bismuth | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Pb<br>Lead | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Cd<br>Cadmium | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| La.<br>Lanthanum | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Tl<br>Thallium | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Ti<br>Titanium | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| W<br>Tungsten | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |
| Hg<br>Mercury | ---<br>Ideal value: 0.001 µg/l | NORMAL<br>Near nature |

### Recommendations

The following recommendations were calculated for the aquarium **Fluval Evo** with **52 liters** content.

**Recommended actions**

**Phosphorus** — Important

Dose 0.52 ml Nutrition P/Phopho per day. Reduce the dose if the home test shows more than 0.03 mg/l PO4.

**Aluminium** — Recommended

If PO4 and Al are elevated: use iron and alu based PO4 removers alternatly.

**Magnesium** — Recommended

Stop adding magnesium to reduce value to 1300-1350 mg/l (35 PSU).

**Bromine** — Recommended

Reduce/stop addition of bromide to bring value down to 65-67 mg/l (35 PSU).

**Salinity** — Recommended

Lower the salinity to 35 PSU.
For this purpose, remove 1.74 liters of aquarium water and replace it with the same amount of osmosis water.

**Silicon** — Osmosis

Maintain osmosis system / replace mixed bed resin.

**Recommended ICP elements dosage**

## Iodine (J) — Important

| | |
|---|---|
| Addition Total: | 2.8 ml |
| Divide the addition into portions: | three times 0.93 ml * |

## Vanadium (V) — Recommended

| | |
|---|---|
| Addition Total: | 0.14 ml |
| Divide the addition into portions: | once 0.14 ml |

## Iron (Fe) — Recommended

| | |
|---|---|
| Addition Total: | 0.07 ml |
| Divide the addition into portions: | once 0.07 ml |

* Only one portion should be dosed per day.

**Recommended supplement dosage**

## Iodine (1000 ml bottle) — Important

| | |
|---|---|
| Addition Total: | 2.8 ml |
| Divide the addition into portions: | three times 0.93 ml * |

## Iodine (alt. 100 ml bottle) — Important

| | |
|---|---|
| Addition Total: | 0.28 ml |
| Divide the addition into portions: | three times 0.09 ml * |

## Vanadium (V) — Recommended

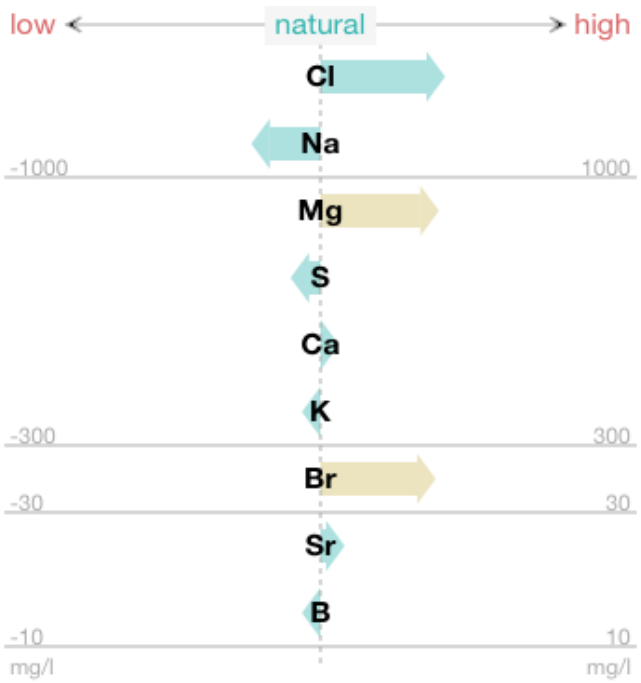
| | |
|---|---|
| Addition Total: | 0.35 ml |
| Divide the addition into portions: | twice 0.18 ml * |

## Iron (Fe) — Recommended

| | |
|---|---|
| Addition Total: | 0.13 ml |
| Divide the addition into portions: | six times 0.02 ml * |

* Only one portion should be dosed per day.

## Diagrams




### Composition of the aquarium water

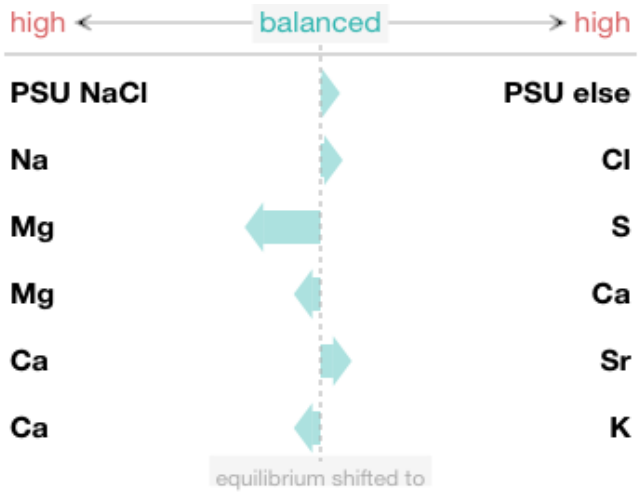
The diagram shows whether the concentrations of the major elements in your water sample match the measured salinity or whether individual elements are increased or reduced. Note the different concentration ranges on the x-axis.

Background: Natural seawater consists of the same elements in fixed proportions. Only the concentrations of the elements increase or decrease in proportion to salinity. That is why the ideal values also change with salinity.

Green arrow
Value is relatively natural.

Yellow arrow
Value is becoming increasingly unnatural.

Red arrow
Value unnatural.




### Element ratios

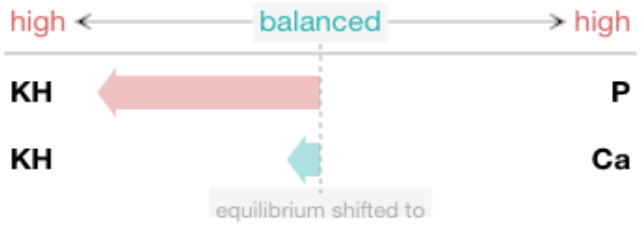
This chart shows whether the element supply is appropriate or whether the ratios of certain element pairs are skewed due to an imbalanced supply. The arrow points in the direction of the element with increased concentration. Only the relationship between the elements is evaluated. The evaluation of the individual measured values may vary.

Background: The reef inhabitants remove various elements from the aquarium water. To compensate for this consumption and obtain water that is true to nature, water changes are carried out and water additives are used. This does not always work as needed.

Green Arrow
Relationship close to nature.

Yellow arrow
Ratio slightly shifted.

Red arrow
Ratio shifted drastically.




## Growth Factors

This diagram shows whether important growth factors are in balance or out of proportion. The arrow points in the direction of the factor with increased concentration. Only the relationship between the factors is evaluated. The evaluation of the individual measured values may vary.

Background: The most important growth factors include carbonate hardness, calcium concentration and phosphorus content. When these values are slightly increased, growth is usually encouraged, while greatly increased or reduced values slow growth. If there is an imbalance between these factors, it can adversely affect coral growth and, in the worst case, lead to tissue necrosis.

Green arrow
Balance between factors OK.

Yellow arrow
Factors increasingly disproportionate to one another.

Red arrow
Factors in disproportion to one another.