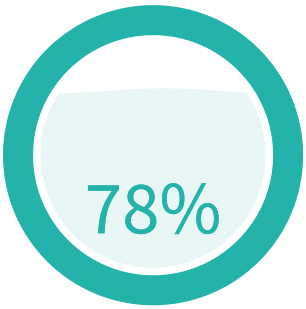
Office reef

Results of Salt water (ID: 353375)
A5LE-WBBB-ERJX-34YH
Reason for analysis Routine



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.

Major elements **78**/100

Minor elements **83**/100

Pollutants **100**/100

Base elements **100**/100

Base elements

Sal. total Salinity	34.10 PSU Ideal value: 35.00 PSU	NORMAL Near nature
KH Carbonate hardness	8.14 °dKH Ideal value: 7.50 °dKH	NORMAL Near nature

Major elements

Cl Chloride	19192 mg/l Ideal value: 19338 mg/l	NORMAL Near nature
Na Sodium	10825 mg/l Ideal value: 10743 mg/l	NORMAL Near nature
Mg Magnesium	1261 mg/l Ideal value: 1284 mg/l	NORMAL Near nature
S Sulfur	875.7 mg/l Ideal value: 888.8 mg/l	NORMAL Near nature
Ca Calcium	374.2 mg/l Ideal value: 411.2 mg/l	BELOW NORMAL Attention
K Potassium	388.6 mg/l Ideal value: 398.5 mg/l	NORMAL Near nature
Br Bromine	64.83 mg/l Ideal value: 65.44 mg/l	NORMAL Near nature
Sr Strontium	4.48 mg/l Ideal value: 7.91 mg/l	CRITICALLY LOW Critical
B Boron	4.44 mg/l Ideal value: 4.39 mg/l	NORMAL Near nature
F Fluorine	0.49 mg/l Ideal value: 1.27 mg/l	CRITICALLY LOW Critical

Minor elements

Li Lithium	297.6 µg/l Ideal value: 166.0 µg/l	NORMAL Near nature
Si Silicon	75.92 µg/l Ideal value: 97.67 µg/l	NORMAL Near nature
I Iodine	68.52 µg/l Ideal value: 63.48 µg/l	NORMAL Near nature
Ba Barium	3.70 µg/l Ideal value: 9.77 µg/l	BELOW NORMAL Attention
Mo Molybdenum	3.79 µg/l Ideal value: 11.72 µg/l	BELOW NORMAL Attention
Ni Nickel	1.27 µg/l Ideal value: 0.49 µg/l	NORMAL Near nature
Mn Manganese	Not detectable Ideal value: 0.98 µg/l	BELOW NORMAL Attention
As Arsenic	Not detectable Ideal value: 0.49 µg/l	NORMAL Near nature
Be Beryllium	Not detectable Ideal value: 0.10 µg/l	NORMAL Near nature
Cr Chrome	Not detectable Ideal value: 0.49 µg/l	NORMAL Near nature
Co Cobalt	0.76 µg/l Ideal value: 0.10 µg/l	NORMAL Near nature
Fe Iron	Not detectable Ideal value: 0.49 µg/l	BELOW NORMAL Attention
Cu Copper	1.80 µg/l Ideal value: 0.49 µg/l	NORMAL Near nature
Se Selenium	Not detectable Ideal value: 0.49 µg/l	NORMAL Near nature
Ag Silver	Not detectable Ideal value: 0.10 µg/l	NORMAL Near nature
V Vanadium	Not detectable Ideal value: 1.47 µg/l	BELOW NORMAL Attention
Zn Zinc	Not detectable Ideal value: 1.95 µg/l	CRITICALLY LOW Critical
Sn Tin	Not detectable Ideal value: 0.49 µg/l	NORMAL Near nature

Nutrients

NO3 Nitrate	8.18 mg/l Ideal value: 2.00 mg/l	NORMAL Near nature
P Phosphorus	44.72 µg/l Ideal value: 14.65 µg/l	ABOVE NORMAL Attention
PO4 Phosphate	0.14 mg/l Ideal value: 0.04 mg/l	ABOVE NORMAL Attention

Pollutants

Al. Aluminium	9.08 µg/l Ideal value: 0.10 µg/l	NORMAL Near nature
Sb Antimony	Not detectable Ideal value: 0.10 µg/l	NORMAL Near nature
Bi Bismuth	Not detectable Ideal value: 0.10 µg/l	NORMAL Near nature
Pb Lead	Not detectable Ideal value: 0.10 µg/l	NORMAL Near nature
Cd Cadmium	Not detectable Ideal value: 0.20 µg/l	NORMAL Near nature
La. Lanthanum	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Tl Thallium	Not detectable Ideal value: 0.10 µg/l	NORMAL Near nature
Ti Titanium	Not detectable Ideal value: 0.10 µg/l	NORMAL Near nature
W Tungsten	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Hg Mercury	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature

Minor elements

Li Lithium	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Si Silicon	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Ba Barium	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Mo Molybdenum	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
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Ag Silver	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
V Vanadium	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Zn Zinc	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Sn Tin	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature

Nutrients

P Phosphorus	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
PO4 Phosphate	Not detectable Ideal value: 0.001 mg/l	NORMAL Near nature

Pollutants

Al. Aluminium	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Sb Antimony	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
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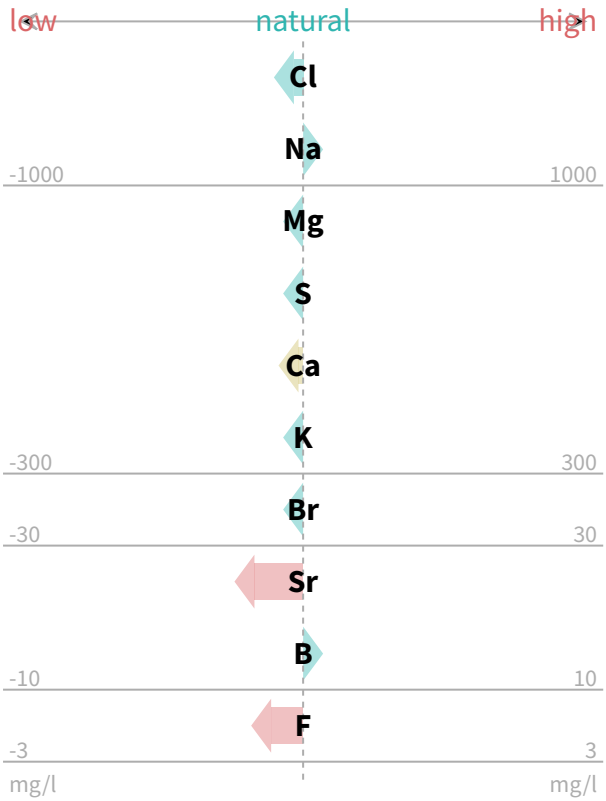
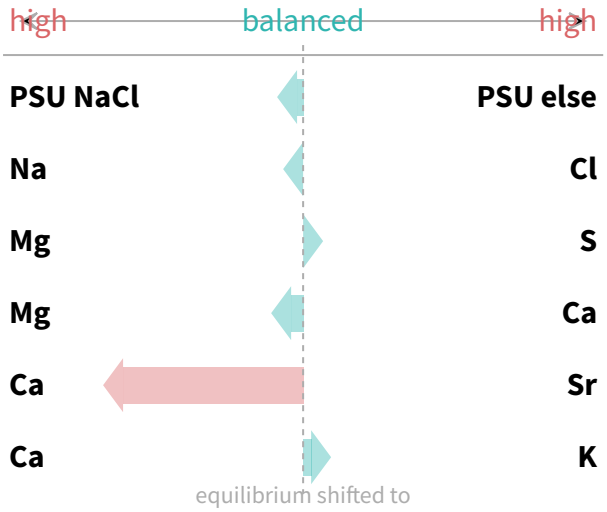
Hg Mercury	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature

Composition of the aquarium water



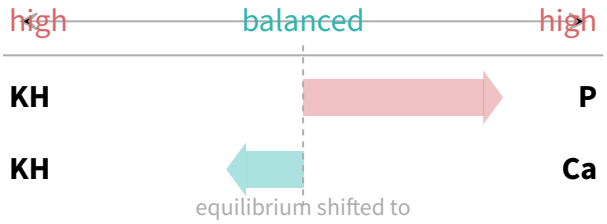
The diagram shows whether the concentrations of the major elements in your water sample match the measured salinity or whether individual elements are increased or reduced. Note the differ…

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 t…

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 relations…

The following recommendations were calculated for the aquarium **Office reef** with **500 liters** content.

Recommended actions

Zinc — Important

If the concentrations of chromium, cobalt, iron, copper, manganese, nickel, and zinc in your water are regularly too low, we recommend daily dosing of “Daily Traces A.”

Fluorine — Important

If the fluoride and iodine content of your water is regularly too low, we recommend daily use of ‘Daily Traces B’.

Phosphorus — Recommended

Phosphorus is slightly too high. Improve the filtration and/or reduce the food supply. Check the osmosis water.

Recommended ICP elements dosage

Recommended ICP elements dosage

Calcium (Ca)	Important
Addition Total:	92.37 ml
Divide the addition into portions:	twice 46.18 ml *
Strontium (Sr)	Recommended
Addition Total:	85.84 ml
Divide the addition into portions:	twice 42.92 ml *
Molybdenum (Mo)	Recommended
Addition Total:	6.62 ml
Divide the addition into portions:	once 6.62 ml
Vanadium (V)	Recommended
Addition Total:	1.46 ml
Divide the addition into portions:	once 1.46 ml
Zinc (Zn)	Recommended
Addition Total:	0.98 ml
Divide the addition into portions:	once 0.98 ml
Manganese (Mn)	Recommended
Addition Total:	1.22 ml
Divide the addition into portions:	once 1.22 ml
Iron (Fe)	Recommended
Addition Total:	0.61 ml
Divide the addition into portions:	once 0.61 ml
Barium (Ba)	Recommended
Addition Total:	30.31 ml
Divide the addition into portions:	once 30.31 ml
Fluorine (F)	Recommended
Addition Total:	194.9 ml
Divide the addition into portions:	three times 64.97 ml *

Recommended supplement dosage