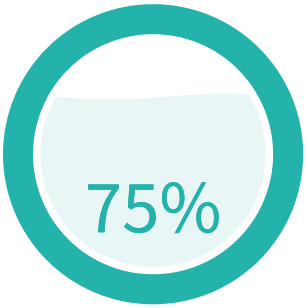
Pecera

Results of Salt water [ICP-MS] (ID: 369147)
FR8L-Y44W-5LET-SCVA

Reason for analysis Algea
User comment New Tank



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 **75**/100
Minor elements **79**/100
Pollutants **100**/100
Base elements **83**/100

Base elements

Sal. total Salinity	37.00 PSU Ideal value: 35.00 PSU	ABOVE NORMAL Attention
KH Carbonate hardness	9.02 °dKH Ideal value: 7.50 °dKH	ABOVE NORMAL Attention

Major elements

Cl Chloride	21224 mg/l Ideal value: 21401 mg/l	NORMAL Near nature
Na Sodium	11988 mg/l Ideal value: 11890 mg/l	NORMAL Near nature
Mg Magnesium	1162 mg/l Ideal value: 1421 mg/l	BELOW NORMAL Attention
S Sulfur	790.5 mg/l Ideal value: 983.6 mg/l	CRITICALLY LOW Critical
Ca Calcium	491.0 mg/l Ideal value: 455.0 mg/l	NORMAL Near nature
K Potassium	416.1 mg/l Ideal value: 441.0 mg/l	NORMAL Near nature
Br Bromine	99.56 mg/l Ideal value: 72.42 mg/l	ABOVE NORMAL Attention
Sr Strontium	8.12 mg/l Ideal value: 8.75 mg/l	NORMAL Near nature
B Boron	4.81 mg/l Ideal value: 4.86 mg/l	NORMAL Near nature
F Fluorine	0.37 mg/l Ideal value: 1.41 mg/l	CRITICALLY LOW Critical

Minor elements

Li Lithium		1997 µg/l Ideal value: 183.7 µg/l	CRITICALLY HIGH Critical
Si Silicon		160.5 µg/l Ideal value: 108.1 µg/l	NORMAL Near nature
I Iodine		22.28 µg/l Ideal value: 70.26 µg/l	CRITICALLY LOW Critical
Ba Barium	ms	1.408 µg/l Ideal value: 10.81 µg/l	CRITICALLY LOW Critical
Mo Molybdenum	ms	10.42 µg/l Ideal value: 12.97 µg/l	NORMAL Near nature
Ni Nickel	ms	0.883 µg/l Ideal value: 0.54 µg/l	NORMAL Near nature
Rb Rubidium	ms	191.6 µg/l Ideal value: 140.5 µg/l	NORMAL Near nature
Mn Manganese	ms	0.012 µg/l Ideal value: 1.08 µg/l	BELOW NORMAL Attention
As Arsenic	ms	0.322 µg/l Ideal value: 0.54 µg/l	NORMAL Near nature
Be Beryllium	ms	< 0.00 µg/l Ideal value: 0.11 µg/l	NORMAL Near nature
Cr Chrome	ms	0.027 µg/l Ideal value: 0.54 µg/l	NORMAL Near nature
Co Cobalt	ms	0.101 µg/l Ideal value: 0.11 µg/l	NORMAL Near nature
Fe Iron	ms	< 0.20 µg/l Ideal value: 0.54 µg/l	BELOW NORMAL Attention
Cu Copper	ms	0.549 µg/l Ideal value: 0.54 µg/l	NORMAL Near nature
Se Selenium	ms	0.130 µg/l Ideal value: 0.54 µg/l	NORMAL Near nature
Ag Silver	ms	< 0.02 µg/l Ideal value: 0.11 µg/l	NORMAL Near nature
V Vanadium	ms	0.352 µg/l Ideal value: 1.62 µg/l	BELOW NORMAL Attention
Zn Zinc	ms	0.628 µg/l Ideal value: 2.16 µg/l	BELOW NORMAL Attention
Sn Tin	ms	0.672 µg/l Ideal value: 0.54 µg/l	NORMAL Near nature

Nutrients

NO3 Nitrate		Not detectable Ideal value: 2.00 mg/l	BELOW NORMAL Attention
P Phosphorus		4.83 µg/l Ideal value: 16.21 µg/l	CRITICALLY LOW Critical
PO4 Phosphate		0.01 mg/l Ideal value: 0.05 mg/l	CRITICALLY LOW Critical

Pollutants

Al. Aluminium	ms	2.960 µg/l Ideal value: 0.11 µg/l	NORMAL Near nature
Sb Antimony	ms	0.321 µg/l Ideal value: 0.11 µg/l	NORMAL Near nature
Bi Bismuth	ms	< 0.01 µg/l Ideal value: 0.11 µg/l	NORMAL Near nature
Pb Lead	ms	< 0.02 µg/l Ideal value: 0.11 µg/l	NORMAL Near nature
Cd Cadmium	ms	< 0.05 µg/l Ideal value: 0.22 µg/l	NORMAL Near nature
La. Lanthanum	ms	< 0.01 µg/l Ideal value: 0.001 µg/l	NORMAL Near nature
Tl Thallium	ms	0.003 µg/l Ideal value: 0.11 µg/l	NORMAL Near nature
Ti Titanium	ms	0.088 µg/l Ideal value: 0.11 µg/l	NORMAL Near nature
Nb Niobium	ms	< 0.07 µg/l Ideal value: 0.001 µg/l	NORMAL Near nature
Nd Neodym	ms	< 0.05 µg/l Ideal value: 0.001 µg/l	NORMAL Near nature
Zr Zirconium	ms	0.031 µg/l Ideal value: 0.001 µg/l	NORMAL Near nature
Ge Germanium	ms	< 0.00 µg/l Ideal value: 0.001 µg/l	NORMAL Near nature
Ga Gallium	ms	0.045 µg/l Ideal value: 0.001 µg/l	NORMAL Near nature
W Tungsten	ms	0.061 µg/l Ideal value: 0.001 µg/l	NORMAL Near nature
Hg Mercury	ms	< 0.07 µg/l Ideal value: 0.001 µg/l	NORMAL Near nature
Te Tellur	ms	0.091 µg/l 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
Ni Nickel	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Mn Manganese	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
As Arsenic	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Be Beryllium	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
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Cu Copper	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Se Selenium	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
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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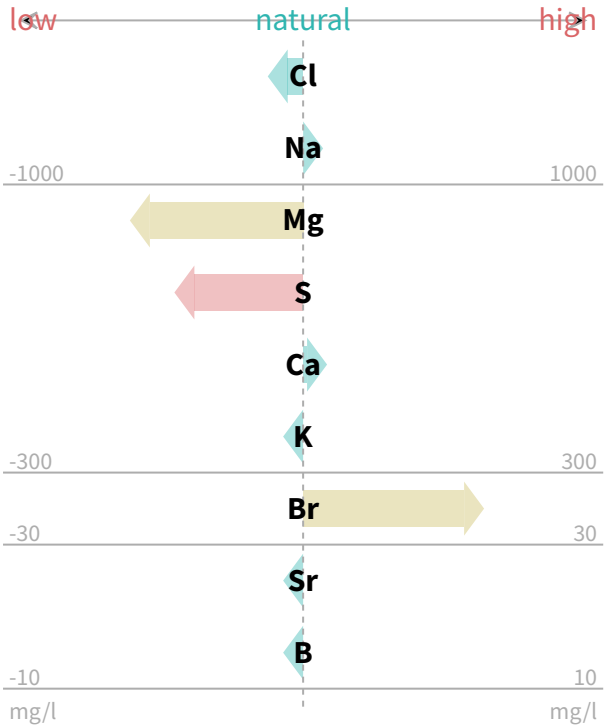
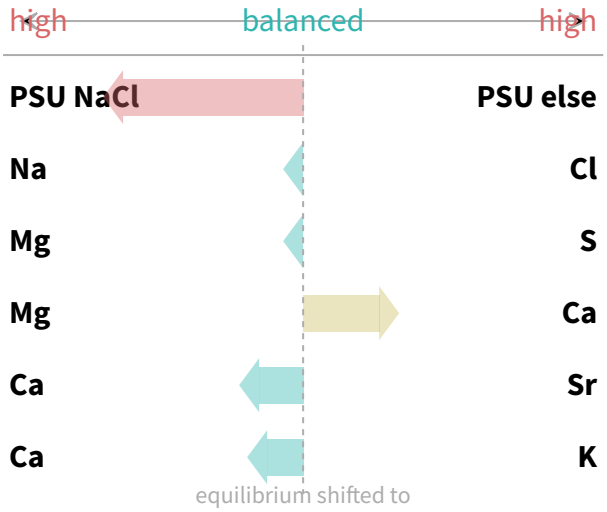
Cd Cadmium	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
La. Lanthanum	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Tl Thallium	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Ti Titanium	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
W Tungsten	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature
Hg Mercury	Not detectable Ideal value: 0.001 µg/l	NORMAL Near nature

Composition of the aquarium water



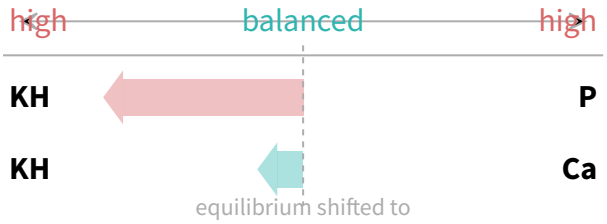
The diagram shows whether the concentrations of the major elements in your water sample match the measured salinity or whether individual elements are increased or reduced. Note the differ…

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 **Pecera** with **180 liters** content.

Recommended actions

Lithium	Important

Lithium is strongly elevated. Value can be lowered by weekly water changes with Absolute Ocean.

Phosphorus	Important

Dose 1.8 ml Nutrition P/Phopho per day. Reduce the dose if the home test shows more than 0.03 mg/l PO4.

Fluorine	Important

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

Bromine	Recommended

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

Zinc	Recommended

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."

Carbonate hardness	Recommended

Reduce/stop addition of KH to lower value to 7-8 °dKH.

Nitrate	Recommended

Dose 0.9 ml Nutrition N/Nitro per day. Reduce the dose if the nitrate value exceeds 2 mg/l.

Salinity	Recommended

Lower the salinity to 35 PSU.
For this purpose, remove 9.71 liters of aquarium water and replace it with the same amount of osmosis water.

Recommended ICP elements dosage

Recommended ICP elements dosage

Iodine (J)	Important
Addition Total:	8.64 ml
Divide the addition into portions:	three times 2.88 ml *
Magnesium (Mg)	Recommended
Addition Total:	467.7 ml
Divide the addition into portions:	six times 77.95 ml *
Sulphur (S)	Recommended
Addition Total:	154.0 g
Divide the addition into portions:	twice 76.98 g *
Vanadium (V)	Recommended
Addition Total:	0.46 ml
Divide the addition into portions:	once 0.46 ml
Zinc (Zn)	Recommended
Addition Total:	0.28 ml
Divide the addition into portions:	once 0.28 ml
Manganese (Mn)	Recommended
Addition Total:	0.48 ml
Divide the addition into portions:	once 0.48 ml
Iron (Fe)	Recommended
Addition Total:	0.24 ml
Divide the addition into portions:	once 0.24 ml
Barium (Ba)	Recommended
Addition Total:	16.92 ml
Divide the addition into portions:	once 16.92 ml
Fluorine (F)	Recommended
Addition Total:	93.34 ml
Divide the addition into portions:	four times 23.34 ml *

Recommended supplement dosage