

Tank  
360G  
Net size  
1514 liter

Reason for analysis  
Algea

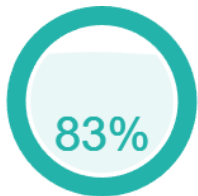
Barcode  
L37K-XVG8-FASW-5HVQ (ID: 290533)



Created  
08/12/2024

Arrived in the laboratory  
08/20/2024

Evaluated  
08/21/2024



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	95 / 100
Minor elements	89 / 100
Pollutants	100 / 100
Base elements	83 / 100

## Results of Salt water

### Base elements

Sal. total	32.36 PSU	BELOW NORMAL
Salinity	Ideal value: 35.00 PSU	Attention
KH	6.94 °dKH	NORMAL
Carbonate hardness	Ideal value: 7.50 °dKH	Near nature

### Major elements

Cl	17855 mg/l	NORMAL
Chloride	Ideal value: 18055 mg/l	Near nature
Na	10142 mg/l	NORMAL
Sodium	Ideal value: 10031 mg/l	Near nature
Mg	1306 mg/l	NORMAL
Magnesium	Ideal value: 1199 mg/l	Near nature
S	915.8 mg/l	ABOVE NORMAL
Sulfur	Ideal value: 829.8 mg/l	Attention
Ca	412.5 mg/l	NORMAL
Calcium	Ideal value: 383.9 mg/l	Near nature
K	392.2 mg/l	NORMAL
Potassium	Ideal value: 372.0 mg/l	Near nature
Br	67.13 mg/l	NORMAL
Bromine	Ideal value: 61.10 mg/l	Near nature
Sr	7.97 mg/l	NORMAL
Strontium	Ideal value: 7.39 mg/l	Near nature
B	4.94 mg/l	NORMAL
Boron	Ideal value: 4.10 mg/l	Near nature
F	1.55 mg/l	ABOVE NORMAL
Fluorine	Ideal value: 1.19 mg/l	Attention



## Minor elements

<b>Li</b> Lithium	<b>187.9 µg/l</b> Ideal value: 155.0 µg/l	<b>NORMAL</b> Near nature
<b>Si</b> Silicon	<b>58.29 µg/l</b> Ideal value: 91.19 µg/l	<b>NORMAL</b> Near nature
<b>I</b> Iodine	<b>5.80 µg/l</b> Ideal value: 59.27 µg/l	<b>CRITICALLY LOW</b> Critical
<b>Ba</b> Barium	<b>6.78 µg/l</b> Ideal value: 9.12 µg/l	<b>NORMAL</b> Near nature
<b>Mo</b> Molybdenum	<b>9.60 µg/l</b> Ideal value: 10.94 µg/l	<b>NORMAL</b> Near nature
<b>Ni</b> Nickel	<b>---</b> Ideal value: 0.46 µg/l	<b>NORMAL</b> Near nature
<b>Mn</b> Manganese	<b>---</b> Ideal value: 0.91 µg/l	<b>BELOW NORMAL</b> Attention
<b>As</b> Arsenic	<b>---</b> Ideal value: 0.46 µg/l	<b>NORMAL</b> Near nature
<b>Be</b> Beryllium	<b>---</b> Ideal value: 0.09 µg/l	<b>NORMAL</b> Near nature
<b>Cr</b> Chrome	<b>---</b> Ideal value: 0.46 µg/l	<b>NORMAL</b> Near nature
<b>Co</b> Cobalt	<b>---</b> Ideal value: 0.09 µg/l	<b>NORMAL</b> Near nature
<b>Fe</b> Iron	<b>---</b> Ideal value: 0.46 µg/l	<b>BELOW NORMAL</b> Attention
<b>Cu</b> Copper	<b>---</b> Ideal value: 0.46 µg/l	<b>NORMAL</b> Near nature
<b>Se</b> Selenium	<b>---</b> Ideal value: 0.46 µg/l	<b>NORMAL</b> Near nature
<b>Ag</b> Silver	<b>---</b> Ideal value: 0.09 µg/l	<b>NORMAL</b> Near nature
<b>V</b> Vanadium	<b>1.19 µg/l</b> Ideal value: 1.37 µg/l	<b>NORMAL</b> Near nature
<b>Zn</b> Zinc	<b>0.89 µg/l</b> Ideal value: 1.82 µg/l	<b>BELOW NORMAL</b> Attention
<b>Sn</b> Tin	<b>32.15 µg/l</b> Ideal value: 0.46 µg/l	<b>ABOVE NORMAL</b> Attention

## Nutrients

<b>NO3</b> Nitrate	<b>5.38 mg/l</b> Ideal value: 2.00 mg/l	<b>NORMAL</b> Near nature
<b>P</b> Phosphorus	<b>7.94 µg/l</b> Ideal value: 13.68 µg/l	<b>CRITICALLY LOW</b> Critical
<b>PO4</b> Phosphate	<b>0.02 mg/l</b> Ideal value: 0.04 mg/l	<b>CRITICALLY LOW</b> Critical

## Pollutants

Al.	19.98 µg/l	NORMAL
Aluminium	Ideal value: 0.09 µg/l	Near nature
Sb	---	NORMAL
Antimony	Ideal value: 0.09 µg/l	Near nature
Bi	---	NORMAL
Bismuth	Ideal value: 0.09 µg/l	Near nature
Pb	---	NORMAL
Lead	Ideal value: 0.09 µg/l	Near nature
Cd	---	NORMAL
Cadmium	Ideal value: 0.18 µg/l	Near nature
La.	---	NORMAL
Lanthanum	Ideal value: 0.00 µg/l	Near nature
Tl	---	NORMAL
Thallium	Ideal value: 0.09 µg/l	Near nature
Ti	---	NORMAL
Titanium	Ideal value: 0.09 µg/l	Near nature
W	---	NORMAL
Tungsten	Ideal value: 0.00 µg/l	Near nature
Hg	---	NORMAL
Mercury	Ideal value: 0.00 µg/l	Near nature

## Results of Osmosis water

### Minor elements

<b>Li</b> Lithium	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Si</b> Silicon	<b>104.1 µg/l</b>	<b>CRITICALLY HIGH</b> Critical
	Ideal value: 0.00 µg/l	
<b>Ba</b> Barium	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Mo</b> Molybdenum	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Ni</b> Nickel	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Mn</b> Manganese	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>As</b> Arsenic	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Be</b> Beryllium	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Cr</b> Chrome	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Co</b> Cobalt	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Fe</b> Iron	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Cu</b> Copper	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Se</b> Selenium	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Ag</b> Silver	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>V</b> Vanadium	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Zn</b> Zinc	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>Sn</b> Tin	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	

### Nutrients

<b>P</b> Phosphorus	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 µg/l	
<b>PO4</b> Phosphate	---	<b>NORMAL</b> Near nature
	Ideal value: 0.00 mg/l	

## Pollutants

Al.	---	NORMAL
Aluminium	Ideal value: 0.00 µg/l	Near nature
Sb	---	NORMAL
Antimony	Ideal value: 0.00 µg/l	Near nature
Bi	---	NORMAL
Bismuth	Ideal value: 0.00 µg/l	Near nature
Pb	---	NORMAL
Lead	Ideal value: 0.00 µg/l	Near nature
Cd	---	NORMAL
Cadmium	Ideal value: 0.00 µg/l	Near nature
La.	---	NORMAL
Lanthanum	Ideal value: 0.00 µg/l	Near nature
Tl	---	NORMAL
Thallium	Ideal value: 0.00 µg/l	Near nature
Ti	---	NORMAL
Titanium	Ideal value: 0.00 µg/l	Near nature
W	---	NORMAL
Tungsten	Ideal value: 0.00 µg/l	Near nature
Hg	---	NORMAL
Mercury	Ideal value: 0.00 µg/l	Near nature

## Recommendations

The following recommendations were calculated for the aquarium **360G** with **1514 liters** content.

### Recommended actions

#### Phosphorus

Important

Dose 15.14 ml Nutrition P per day. Reduce the dose if the home test shows more than 0.03 mg/l PO<sub>4</sub>.

#### Sulfur

Recommended

Stop addition of sulfur to reduce value to 900-920 mg/l.

#### Fluorine

Recommended

Reduce/stop addition of fluoride to bring value down to 1,1-1,5 mg/l.

#### Salinity

Recommended

Increase the salinity to 35 PSU.

For example, add 6839 ml Absolute Ocean #1 and 6839 ml Absolute Ocean #2 to the aquarium.

#### Silicon

Osmosis

Maintain osmosis system / replace mixed bed resin.

### Iodine (1000 ml bottle)

Important

Addition Total: 80.96 ml  
Divide the addition into portions: three times 26.99 ml \*

### Iodine (alt. 100 ml bottle)

Important

Addition Total: 8.1 ml  
Divide the addition into portions: three times 2.7 ml \*

### Zinc (Zn)

Recommended

Addition Total: 7.08 ml  
Divide the addition into portions: once 7.08 ml

### Manganese (Mn)

Recommended

Addition Total: 6.9 ml  
Divide the addition into portions: once 6.9 ml

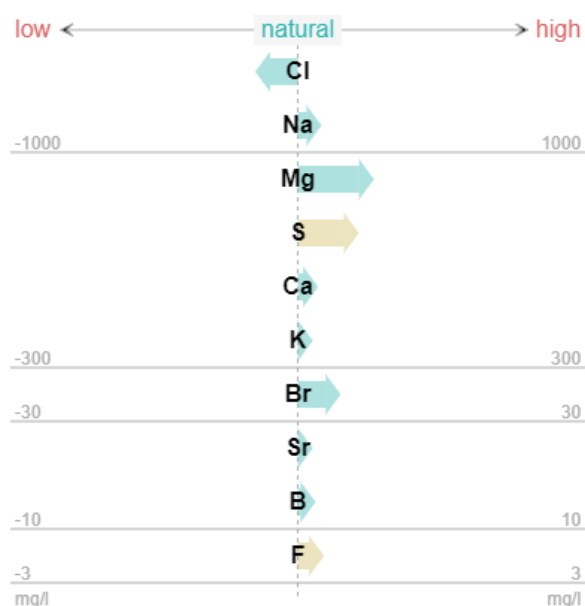
### Iron (Fe)

Recommended

Addition Total: 3.45 ml  
Divide the addition into portions: five times 0.69 ml \*

\* Only one portion should be dosed per day.

## Diagrams



## Composition of the aquarium water

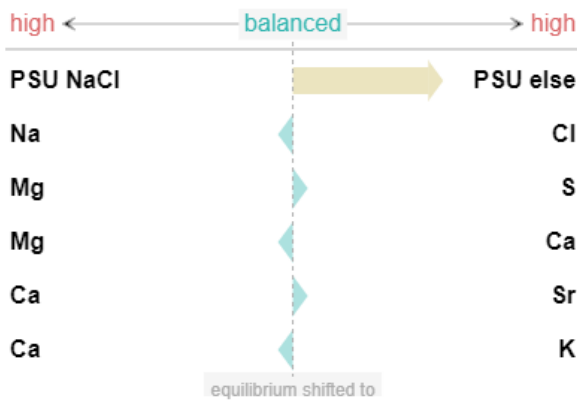
The diagram shows whether the concentrations of the major elements in your water sample match the measured salinity or whether individual elements are increased or reduced. Note the different concentration ranges on the x-axis.

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

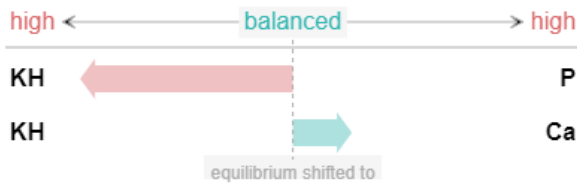
Relationship close to nature.

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.