Tank
DWS150

Net size
130 liter

Reason for analysis
Routine

Barcode
7HL8-6SCW-HGGP-W96S (ID: 332775)

Created	Arrived in the laboratory	Evaluated
06/25/2025	07/04/2025	07/05/2025

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	80 / 100
Minor elements	82 / 100
Pollutants	100 / 100
Base elements	100 / 100

Results of Salt water

Base elements

Sal. total Salinity	34.95 PSU Ideal value: 35.00 PSU	NORMAL Near nature
KH Carbonate hardness	8.18 °dKH Ideal value: 7.50 °dKH	NORMAL Near nature

Major elements

Cl Chloride	19613 mg/l Ideal value: 19680 mg/l	NORMAL Near nature
Na Sodium	10971 mg/l Ideal value: 10934 mg/l	NORMAL Near nature
Mg Magnesium	1309 mg/l Ideal value: 1307 mg/l	NORMAL Near nature
S Sulfur	940.0 mg/l Ideal value: 904.5 mg/l	NORMAL Near nature
Ca Calcium	378.2 mg/l Ideal value: 418.5 mg/l	BELOW NORMAL Attention
K Potassium	441.7 mg/l Ideal value: 405.5 mg/l	ABOVE NORMAL Attention
Br Bromine	89.32 mg/l Ideal value: 66.59 mg/l	ABOVE NORMAL Attention
Sr Strontium	7.55 mg/l Ideal value: 8.05 mg/l	NORMAL Near nature
B Boron	5.66 mg/l Ideal value: 4.47 mg/l	ABOVE NORMAL Attention
F Fluorine	0.29 mg/l Ideal value: 1.29 mg/l	CRITICALLY LOW Critical

Minor elements

Li Lithium	788.3 µg/l Ideal value: 169.0 µg/l	ABOVE NORMAL Attention
Si Silicon	180.9 µg/l Ideal value: 99.40 µg/l	NORMAL Near nature
I Iodine	100.4 µg/l Ideal value: 64.61 µg/l	ABOVE NORMAL Attention
Ba Barium	1.04 µg/l Ideal value: 9.94 µg/l	CRITICALLY LOW Critical
Mo Molybdenum	22.04 µg/l Ideal value: 11.93 µg/l	NORMAL Near nature
Ni Nickel	1.52 µg/l Ideal value: 0.50 µg/l	NORMAL Near nature
Mn Manganese	--- Ideal value: 0.99 µg/l	BELOW NORMAL Attention
As Arsenic	--- Ideal value: 0.50 µg/l	NORMAL Near nature
Be Beryllium	--- Ideal value: 0.10 µg/l	NORMAL Near nature
Cr Chrome	--- Ideal value: 0.50 µg/l	NORMAL Near nature
Co Cobalt	--- Ideal value: 0.10 µg/l	NORMAL Near nature
Fe Iron	--- Ideal value: 0.50 µg/l	BELOW NORMAL Attention
Cu Copper	--- Ideal value: 0.50 µg/l	NORMAL Near nature
Se Selenium	--- Ideal value: 0.50 µg/l	NORMAL Near nature
Ag Silver	--- Ideal value: 0.10 µg/l	NORMAL Near nature
V Vanadium	1.24 µg/l Ideal value: 1.49 µg/l	NORMAL Near nature
Zn Zinc	0.56 µg/l Ideal value: 1.99 µg/l	BELOW NORMAL Attention
Sn Tin	8.01 µg/l Ideal value: 0.50 µg/l	ABOVE NORMAL Attention

Nutrients

NO3 Nitrate	--- Ideal value: 2.00 mg/l	BELOW NORMAL Attention
P Phosphorus	6.04 µg/l Ideal value: 14.91 µg/l	CRITICALLY LOW Critical
PO4 Phosphate	0.02 mg/l Ideal value: 0.04 mg/l	CRITICALLY LOW Critical

Pollutants

Al. Aluminium	24.35 µg/l Ideal value: 0.10 µg/l	NORMAL Near nature
Sb Antimony	--- Ideal value: 0.10 µg/l	NORMAL Near nature
Bi Bismuth	--- Ideal value: 0.10 µg/l	NORMAL Near nature
Pb Lead	--- Ideal value: 0.10 µg/l	NORMAL Near nature
Cd Cadmium	--- Ideal value: 0.20 µg/l	NORMAL Near nature
La. Lanthanum	--- Ideal value: 0.001 µg/l	NORMAL Near nature
Tl Thallium	--- Ideal value: 0.10 µg/l	NORMAL Near nature
Ti Titanium	--- Ideal value: 0.10 µg/l	NORMAL Near nature
W Tungsten	--- Ideal value: 0.001 µg/l	NORMAL Near nature
Hg Mercury	--- Ideal value: 0.001 µg/l	NORMAL Near nature

Results of Osmosis water

Minor elements

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

Nutrients

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

Pollutants

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

Recommendations

The following recommendations were calculated for the aquarium **DWS150** with **130 liters** content.

Recommended actions

Phosphorus — Important

Dose 1.3 ml Nutrition P per day. Reduce the dose if the home test shows more than 0.03 mg/l PO4.

Potassium — Recommended

Reduce/stop addition of potassium to bring value down to 400-415 mg/l.

Bromine — Recommended

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

Boron — Recommended

Reduce/stop addition of boron to bring value down to 4,3-4,7 mg/l.

Lithium — Recommended

Lithium is elevated. If the value continues to rise, it should be lowered by weekly water changes with Absolute Ocean.

Nitrate — Recommended

Dose 0.65 ml Nutrition N per day. Reduce the dose if the nitrate value exceeds 2 mg/l.

Calcium (Ca)

Important

Addition Total:	26.16 ml
Divide the addition into portions:	three times 8.72 ml *

Zinc (Zn)

Recommended

Addition Total:	0.93 ml
Divide the addition into portions:	once 0.93 ml

Manganese (Mn)

Recommended

Addition Total:	0.65 ml
Divide the addition into portions:	once 0.65 ml

Iron (Fe)

Recommended

Addition Total:	0.32 ml
Divide the addition into portions:	five times 0.06 ml *

Barium (Ba)

Recommended

Addition Total:	11.57 ml
Divide the addition into portions:	twice 5.79 ml *

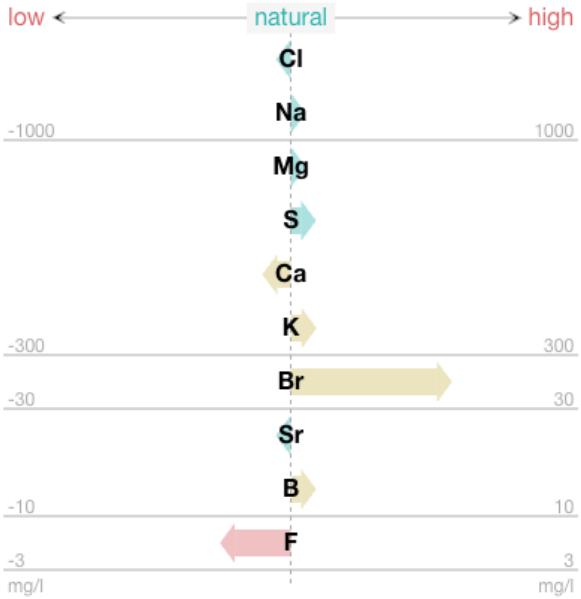
Fluorine (F)

Recommended

Addition Total:	65.01 ml
Divide the addition into portions:	five times 13 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.