

REEF ICP TEST



Sample ID: 01191189

Sample type: Seawater

Volume aquarium in Litre: 0

Sample name: Aquarium 1

Sampling date: 02-28-2024

Date of receipt: 03-06-2024

to the detailed online analysis:
<https://lab.faunamarin.de/en/home/analysis/120660>

Method: ICP-OES (inductively coupled plasma with optical emission spectrometry) specifically for seawater.

Recommended values are optimized for coral reef aquariums.

For the one-time correction of a deficiency, the quantity of Fauna Marin Elementals to be dosed is displayed adapted to your aquarium. A click on the product name takes you to the shop.

Further help can be found in your [Lab-Account](#) and here:

[Fauna Marin Knowledge Base](#)

[Reef 2 Reef](#)

[Fauna Marin Reefing Group on Facebook](#)

Major elements, lime elements and halogens in mg/litre (1 mg = 0,001 g)

Recommended dosage Elementals

		measured	reference range	in ml	spread over ... days	Product
Sodium	Na	10661	9500 - 10700 - 11500			
Sulphur	S	875	850 - 900 - 950			Elementals Trace S
Potassium	K	446	380 - 395 - 420			Elementals K
Boron	B	4.92	3,8 - 4,5 - 5,5			Elementals B
Magnesium	Mg	1392	1200 - 1350 - 1450			Elementals Mg
Calcium	Ca	459	400 - 425 - 440			
Strontium	Sr	8.24	6,5 - 8 - 9			Elementals Sr
Iodine (Total Iodine)	I	0.104	0,055 - 0,065 - 0,08			Elementals Trace I
Bromine	Br	72.9	55 - 65 - 75			Elementals Br

Macronutrients in mg/litre (1 mg = 0,001 g)

Recommended dosage Elementals

		measured	reference range	in ml	spread over ... days	Product
Phosphorus (ICP-OES)	P	0.002	< 0,06			
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0.006	0,02 - 0,10			Elementals P
Silicon	Si	0.02	0,1 - 0,2			

Physiologically relevant trace elements and color-relevant micronutrients in µg/litre (1 µg = 0,000001 g)

Recommended dosage Elementals

		measured	reference range	in ml	spread over ... days	Product
Zinc	Zn	n.n.	3 - 8			Elementals Trace Zn
Vanadium	V	7.02	2 - 10			Elementals Trace V
Copper	Cu	n.n.	2 - 6			Elementals Trace Cu
Nickel	Ni	n.n.	3 - 6			Elementals Trace Ni
Manganese	Mn	n.n.	0,10 - 0,25			Elementals Trace Mn
Molybdenum	Mo	10.1	10 - 20			Elementals Trace Mo
Iron	Fe	n.n.	0,05 - 2,5			Elementals Trace Fe
Chrome	Cr	0.64	0,05 - 2,3			Elementals Trace Cr
Cobalt	Co	n.n.	0,02 - 1,9			Elementals Trace Co

Other trace elements and potentially harmful substances in µg/litre (1 µg = 0,000001 g)

Recommended dosage Elementals

		measured	reference range	in ml	spread over ... days	Product
Lithium	Li	232	180 - 350			Elementals Trace Li
Barium	Ba	25	5 - 50			Elementals Trace Ba
Aluminium	Al	121	5 - 30			
Antimony	Sb	n.n.	< 10			
Tin	Sn	46.1	< 10			
Beryllium	Be	n.n.	0,1 - 1,4			
Selenium	Se	n.n.	0,9 - 5,5			Elementals Trace Se
Silver	Ag	n.n.	< 10			
Tungsten	W	n.n.	< 30			
Lanthanum	La	n.n.	2 - 10			
Titanium	Ti	n.n.	0,5 - 3,5			
Zirconium	Zr	n.n.	1,0 - 2,2			
Arsenic	As	n.n.	< 1			
Cadmium	Cd	n.n.	< 1			
Mercury	Hg	n.n.	< 1			
Lead	Pb	n.n.	< 1			

Measured values of type "> 24" indicate that the concentration is above the calibrated range and therefore cannot be definitely determined. In these cases the highest detectable value is indicated (e.g. 24 µg/l), the actual value may be higher. Abbreviations: n.g. (not measured), n.n. (not detectable).