

# REEF ICP TEST



**Sample ID:** 02127347  
**Sample type:** Seawater  
**Volume aquarium in Litre:** 0  
**Sample name:** Aquarium 1  
**Sampling date:** 02-25-2024  
**Date of receipt:** 02-28-2024

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](#)

to the detailed online analysis:

<https://lab.fauamarin.de/en/home/analysis/119025>

## 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	10743	9500 - 10700 - 11500			
Sulphur	S	751	850 - 900 - 950			<a href="#">Elementals Trace S</a>
Potassium	K	378	380 - 395 - 420			<a href="#">Elementals K</a>
Boron	B	4.38	3,8 - 4,5 - 5,5			<a href="#">Elementals B</a>
Magnesium	Mg	1327	1200 - 1350 - 1450			<a href="#">Elementals Mg</a>
Calcium	Ca	430	400 - 425 - 440			
Strontium	Sr	3.64	6,5 - 8 - 9			<a href="#">Elementals Sr</a>
Iodine (Total Iodine)	I	0.036	0,055 - 0,065 - 0,08			<a href="#">Elementals Trace I</a>
Bromine	Br	65.5	55 - 65 - 75			<a href="#">Elementals Br</a>

## 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	0.023	< 0,06			
Total Phosphate (calculated)	PO <sub>4</sub> <sup>3-</sup> tot.	0.071	0,02 - 0,10			<a href="#">Elementals P</a>
Silicon	Si	0.13	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			<a href="#">Elementals Trace Zn</a>
Vanadium	V	n.n.	2 - 10			<a href="#">Elementals Trace V</a>
Copper	Cu	n.n.	2 - 6			<a href="#">Elementals Trace Cu</a>
Nickel	Ni	n.n.	3 - 6			<a href="#">Elementals Trace Ni</a>
Manganese	Mn	0.18	0,10 - 0,25			<a href="#">Elementals Trace Mn</a>
Molybdenum	Mo	8.3	10 - 20			<a href="#">Elementals Trace Mo</a>
Iron	Fe	n.n.	0,05 - 2,5			<a href="#">Elementals Trace Fe</a>
Chrome	Cr	n.n.	0,05 - 2,3			<a href="#">Elementals Trace Cr</a>
Cobalt	Co	n.n.	0,02 - 1,9			<a href="#">Elementals Trace Co</a>

## 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	177	180 - 350			<a href="#">Elementals Trace Li</a>
Barium	Ba	10.6	5 - 50			<a href="#">Elementals Trace Ba</a>
Aluminium	Al	16.2	5 - 30			
Antimony	Sb	n.n.	< 10			
Tin	Sn	n.n.	< 10			
Beryllium	Be	n.n.	0,1 - 1,4			
Selenium	Se	n.n.	0,9 - 5,5			<a href="#">Elementals Trace Se</a>
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).