

# REEF ICP TEST



Sample ID: 092049O

Sample type: Seawater  
 Volume aquarium in Litre: 10000  
 Sample name: Med.sea.water  
 Sampling date: 05-15-2023  
 Date of receipt: 05-25-2023

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

Recommended values are optimized for coral reef aquaria.

To resolve 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 directly to the shop.

Further help can be found here:

[Fauna Marin Forum](#)

[Reef 2 Reef](#)

[Fauna Marin Reefting 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	12179	9500 - 10700 - 11500			
Sulphur	S	951	850 - 900 - 950			
Potassium	K	463	380 - 395 - 420	Waterchange		Elementals K
Boron	B	5.21	3,8 - 4,5 - 5,5			Elementals B
Magnesium	Mg	1474	1200 - 1350 - 1450			Elementals Mg
Calcium	Ca	459	400 - 425 - 440			
Strontium	Sr	8.91	6,5 - 8 - 9			Elementals Sr
Iodine (Total Iodine)	I	0.073	0,055 - 0,065 - 0,08			Elementals Trace I
Bromine	Br	72.5	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	n.n.	< 0,06			
Total Phosphate (calculated)	PO <sub>4</sub> <sup>3-</sup> tot.	n.n.	0,02 - 0,10	400	2	Elementals P
Silicon	Si	0.27	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	0.51	3 - 8	50	2	Elementals Trace Zn
Vanadium	V	2.44	2 - 10			Elementals Trace V
Copper	Cu	0.6	2 - 6	340	2	Elementals Trace Cu
Nickel	Ni	n.n.	3 - 6	112	2	Elementals Trace Ni
Manganese	Mn	0.11	0,10 - 0,25			Elementals Trace Mn
Molybdenum	Mo	9.7	10 - 20	89	1	Elementals Trace Mo
Iron	Fe	n.n.	0,05 - 2,5	38	2	Elementals Trace Fe
Chrome	Cr	n.n.	0,05 - 2,3	236	3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02 - 1,9	25	1	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	222	180 - 350			Elementals Trace Li
Barium	Ba	8	5 - 50			Elementals Trace Ba
Aluminium	Al	3.9	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			
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).