

# REEF ICP TEST



**Sample ID:** 021530b

**Sample type:** seawater

**Volume aquarium in Liter:** 0

**Sample name:** Aquarium 1

**Sampling date:** 05-11-2021

**Date of receipt:** 05-17-2021

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

Recommended values are optimized for coral reef aquariums.

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 Reefing Group on Facebook](#)

## Major elements and halogens in mg/liter (1 mg = 0.001 g)

### Recommended dosage Elementals

		measured	reference range			in ml	spread over ... days	Product
Sodium	Na	10963	9500	-	10700 - 11500			
Sulphur	S	895	850	-	900 - 950			
Potassium	K	380	380	-	395 - 420			<a href="#">Elementals K</a>
Boron	B	4.12	3,8	-	4.5 - 5,5			<a href="#">Elementals B</a>
Magnesium	Mg	1394	1200	-	1350 - 1450			<a href="#">Elementals Mg</a>
Calcium	Ca	422	400	-	425 - 440			
Strontium	Sr	5.44	6,5	-	8 - 9		#DIV/0!	<a href="#">Elementals Sr</a>
Iodine (Total Iodine)	I	0.044	0,055	-	0.065 - 0,08		#DIV/0!	<a href="#">Elementals Trace I</a>
Bromine	Br	77.6	55	-	67 - 75			<a href="#">Elementals Br</a>

## Macronutrients in mg/liter (1 mg = 0.001 g)

### Recommended dosage Elementals

		measured	reference range			in ml	spread over ... days	Product
Phosphorus (ICP-OES)	P	0.014	< 0.06					<a href="#">Elementals P</a>
Total Phosphate (calculated)	PO <sub>4</sub> <sup>3-</sup> tot.	0.04	0,02	-	0,10			
Silicon (ICP-OES)	Si	0.28	0,1	-	0,2			

## Physiologically relevant trace elements and color-relevant micronutrients in µg/liter (1 µg = 0.000001 g)

### Recommended dosage Elementals

		measured	reference range			in ml	spread over ... days	Product
Zinc	Zn	4.13	3	-	8			<a href="#">Elementals Trace Zn</a>
Vanadium	V	3.71	2	-	10			<a href="#">Elementals Trace V</a>
Copper	Cu	4.06	2	-	6			<a href="#">Elementals Trace Cu</a>
Nickel	Ni	2.29	3	-	6		#DIV/0!	<a href="#">Elementals Trace Ni</a>
Manganese	Mn	0.16	0,10	-	0,25			<a href="#">Elementals Trace Mn</a>
Molybdenum	Mo	25.8	10	-	20			<a href="#">Elementals Trace Mo</a>
Iron	Fe	0.57	0,05	-	2,5			<a href="#">Elementals Trace Fe</a>
Chrome	Cr	0.92	0,05	-	2,3			<a href="#">Elementals Trace Cr</a>
Cobalt	Co	0.74	0,02	-	1,9			<a href="#">Elementals Trace Co</a>

## Other trace elements und potentially harmful substances in µg/liter (1 µg = 0.000001 g)

### Recommended dosage Elementals

		measured	reference range			in ml	spread over ... days	Product
Lithium	Li	251	180	-	350			<a href="#">Elementals Trace Li</a>
Barium	Ba	2.3	20	-	50		#DIV/0!	<a href="#">Elementals Trace Ba</a>
Aluminium	Al	58.2	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			
Silver	Ag	n.n.	< 10					
Tungsten	W	n.n.	< 30					
Lanthanum	La	n.n.	2	-	10			
Titanium	Ti	3.2	0,5	-	3,5			
Scandium	Sc	0.1	0,1	-	1,0			
Zirconium	Zr	n.n.	1,0	-	2,2			
Arsenic	As	n.n.	< 1					
Cadmium	Cd	n.n.	< 1					
Mercury	Hg	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).