

# REEF ICP TEST



**Sample number:** 0432  
**Client name:** John Keiser  
**Sample type:** Seawater  
**Volume aquarium in Liter:** 473  
**Sample name:** 125 gallon  
**Sampling date:** 16.09.20  
**Date of receipt:** 23.09.20

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

Recommended values are optimized for coral reef aquariums.  
Values in orange require action.

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	10032	9500 - 10700 - 11500			
Sulphur	S	903	850 - 900 - 950			
Potassium	K	382	380 - 395 - 420			<a href="#">Elementals K</a>
Boron	B	3,90	3,8 - 4,5 - 5,5			<a href="#">Elementals B</a>
Magnesium	Mg	1371	1200 - 1350 - 1450			<a href="#">Elementals Mg</a>
Calcium	Ca	431	400 - 425 - 440			
Strontium	Sr	11,65	6,5 - 8 - 9			<a href="#">Elementals Sr</a>
Iodine (Total Iodine)	I	0,089	0,055 - 0,065 - 0,08			<a href="#">Elementals Trace I</a>
Bromine	Br	61,10	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	0,039	< 0,06			<a href="#">Elementals P</a>
Total Phosphate (calculated)	PO <sub>4</sub> <sup>3-</sup> tot.	0,120	0,02 - 0,10			
Silicon (ICP-OES)	Si	n.n.	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	10,43	3 - 8			<a href="#">Elementals Trace Zn</a>
Vanadium	V	8,69	2 - 10			<a href="#">Elementals Trace V</a>
Copper	Cu	n.n.	2 - 6	19	2	<a href="#">Elementals Trace Cu</a>
Nickel	Ni	1,68	3 - 6	3,3	1	<a href="#">Elementals Trace Ni</a>
Manganese	Mn	n.n.	0,10 - 0,25	0,2	1	<a href="#">Elementals Trace Mn</a>
Molybdenum	Mo	14,79	10 - 20			<a href="#">Elementals Trace Mo</a>
Iron	Fe	0,87	0,05 - 2,5			<a href="#">Elementals Trace Fe</a>
Chrome	Cr	n.n.	0,05 - 2,3	11	3	<a href="#">Elementals Trace Cr</a>
Cobalt	Co	0,58	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	180	180 - 350			<a href="#">Elementals Trace Li</a>
Barium	Ba	71	20 - 50			<a href="#">Elementals Trace Ba</a>
Aluminium	Al	97,1	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			
Scandium	Sc	n.n.	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).