

# REEF ICP TEST



**Sample ID:** 0437 Michael Laflamme

**Sample type:** Seawater

**Volume aquarium in Liter:** 681

**Sample name:** 180 Reef

**Sampling date:** 04.05.21

**Date of receipt:** 17.05.21

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	8570	9500	- 10700	- 11500			
Sulphur	S	751	850	- 900	- 950			
Potassium	K	367	380	- 395	- 420	191	1	Elementals K
Boron	B	1,46	3,8	- 4,5	- 5,5	311	2	Elementals B
Magnesium	Mg	1198	1200	- 1350	- 1450	518	1	Elementals Mg
Calcium	Ca	545	400	- 425	- 440	water change		
Strontium	Sr	11,60	6,5	- 8	- 9			Elementals Sr
Iodine (Total Iodine)	I	n.n.	0,055	- 0,065	- 0,08			Elementals Trace I
Bromine	Br	81,30	55	- 67	- 75			Elementals Br

## 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	0,644	< 0,06					<a href="#">Elementals P</a>
Total Phosphate (calculated)	PO <sub>4</sub> <sup>3-</sup> tot.	1,97	0,02	-	0,10			
Silicon (ICP-OES)	Si	0,12	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	0,29	3	-	8	4	2	<a href="#">Elementals Trace Zn</a>
Vanadium	V	n.n.	2	-	10	8	3	<a href="#">Elementals Trace V</a>
Copper	Cu	n.n.	2	-	6	27	2	<a href="#">Elementals Trace Cu</a>
Nickel	Ni	0,43	3	-	6	7	2	<a href="#">Elementals Trace Ni</a>
Manganese	Mn	n.n.	0,10	-	0,25	0,3	1	<a href="#">Elementals Trace Mn</a>
Molybdenum	Mo	4,41	10	-	20	12	2	<a href="#">Elementals Trace Mo</a>
Iron	Fe	n.n.	0,05	-	2,5	3	2	<a href="#">Elementals Trace Fe</a>
Chrome	Cr	0,86	0,05	-	2,3			<a href="#">Elementals Trace Cr</a>
Cobalt	Co	n.n.	0,02	-	1,9	2	1	<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	409	180	-	350			<a href="#">Elementals Trace Li</a>
Barium	Ba	44	20	-	50			<a href="#">Elementals Trace Ba</a>
Aluminium	Al	5,23	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	4,39	0,5	-	3,5			
Scandium	Sc	0,07	0,1	-	1,0			
Zirconium	Zr	n.n.	1,0	-	2,2			
Arsenic	As	1,43	< 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).