

REEF ICP TEST



Sample ID: 01158052

Sample type: Seawater
Volume aquarium in Litre: 99
Sample name: tudoreef
Sampling date: 07-22-2024
Date of receipt: 07-26-2024

to the detailed online analysis:
<https://lab.faunamarin.de/en/home/analysis/151454>

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](#)

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	9408	9500	- 10700 -	11500		
Sulphur	S	719	850	- 900 -	950	256	Elementals Trace S
Potassium	K	328	380	- 395 -	420	66	Elementals K
Boron	B	4.34	3,8	- 4,5 -	5,5		Elementals B
Magnesium	Mg	1414	1200	- 1350 -	1450		Elementals Mg
Calcium	Ca	450	400	- 425 -	440		
Strontium	Sr	7.15	6,5	- 8 -	9		Elementals Sr
Iodine (Total Iodine)	I	0.022	0,055	- 0,065 -	0,08	4,3	Elementals Trace I
Bromine	Br	77.1	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	0.011	< 0,06				
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0.034	0,02	-	0,10		Elementals P
Silicon	Si	0.22	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	6.05	3	-	8		Elementals Trace Zn
Vanadium	V	n.n.	2	-	10	1,2	Elementals Trace V
Copper	Cu	n.n.	2	-	6	4	Elementals Trace Cu
Nickel	Ni	0.61	3	-	6	0,96	Elementals Trace Ni
Manganese	Mn	0.23	0,10	-	0,25		Elementals Trace Mn
Molybdenum	Mo	2.9	10	-	20	2	Elementals Trace Mo
Iron	Fe	2.76	0,05	-	2,5		Elementals Trace Fe
Chrome	Cr	n.n.	0,05	-	2,3	2,3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02	-	1,9	0,25	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	269	180	-	350		Elementals Trace Li
Barium	Ba	42.7	5	-	50	4	Elementals Trace Ba
Aluminium	Al	48.6	5	-	30		
Antimony	Sb	n.n.	< 10				
Tin	Sn	21	< 10				
Beryllium	Be	n.n.	0,1	-	1,4		
Selenium	Se	n.n.	0,9	-	5,5	6,3	Elementals Trace Se
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).