

REEF ICP TEST



Sample ID: 01845105

Sample type: Seawater

Volume aquarium in Litre: 425

Sample name: Redsea 425 G2

Sampling date: 10-18-2023

Date of receipt: 10-24-2023

to the detailed online analysis:

<https://lab.faunamarin.de/en/home/analysis/93209>

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	11276	9500	- 10700 - 11500			
Sulphur	S	853	850	- 900 - 950			
Potassium	K	425	380	- 395 - 420			Elementals K
Boron	B	6.89	3,8	- 4,5 - 5,5			Elementals B
Magnesium	Mg	1314	1200	- 1350 - 1450			Elementals Mg
Calcium	Ca	415	400	- 425 - 440			
Strontium	Sr	6.88	6,5	- 8 - 9			Elementals Sr
Iodine (Total Iodine)	I	0.024	0,055	- 0,065 - 0,08	17	2	Elementals Trace I
Bromine	Br	71.7	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	0.019	< 0,06				
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0.06	0,02	-	0,10		Elementals P
Silicon	Si	0.23	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	5.88	3	-	8		Elementals Trace Zn	
Vanadium	V	n.n.	2	-	10	5,1	3	Elementals Trace V
Copper	Cu	10.5	2	-	6			Elementals Trace Cu
Nickel	Ni	2.09	3	-	6	2,6	1	Elementals Trace Ni
Manganese	Mn	0.33	0,10	-	0,25			Elementals Trace Mn
Molybdenum	Mo	30.9	10	-	20			Elementals Trace Mo
Iron	Fe	n.n.	0,05	-	2,5	1,6	2	Elementals Trace Fe
Chrome	Cr	n.n.	0,05	-	2,3	10	3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02	-	1,9	1,1	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	200	180	-	350		Elementals Trace Li
Barium	Ba	39.5	5	-	50		Elementals Trace Ba
Aluminium	Al	2.7	5	-	30		
Antimony	Sb	n.n.	< 10				
Tin	Sn	7.5	< 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).