

REEF ICP TEST



Sample ID: 02159034

Sample type: Seawater

Volume aquarium in Litre: 330

Sample name: Aquarium 1

Sampling date: 10-08-2023

Date of receipt: 10-12-2023

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

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, 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	10847	9500	- 10700 - 11500			
Sulphur	S	818	850	- 900 - 950			
Potassium	K	447	380	- 395 - 420			Elementals K
Boron	B	5.65	3,8	- 4,5 - 5,5			Elementals B
Magnesium	Mg	1417	1200	- 1350 - 1450			Elementals Mg
Calcium	Ca	447	400	- 425 - 440			
Strontium	Sr	8.95	6,5	- 8 - 9			Elementals Sr
Iodine (Total Iodine)	I	0.016	0,055	- 0,065 - 0,08	16	2	Elementals Trace I
Bromine	Br	74.3	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	0.01	< 0,06				
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0.03	0,02	-	0,10		Elementals P
Silicon	Si	0.1	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	0.43	3	- 8	1,7	2	Elementals Trace Zn
Vanadium	V	9.51	2	- 10			Elementals Trace V
Copper	Cu	1.08	2	- 6	9,6	2	Elementals Trace Cu
Nickel	Ni	n.n.	3	- 6	3,7	2	Elementals Trace Ni
Manganese	Mn	0.25	0,10	- 0,25			Elementals Trace Mn
Molybdenum	Mo	13.6	10	- 20			Elementals Trace Mo
Iron	Fe	n.n.	0,05	- 2,5	1,2	2	Elementals Trace Fe
Chrome	Cr	n.n.	0,05	- 2,3	7,8	3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02	- 1,9	0,82	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	300	180	-	350		Elementals Trace Li
Barium	Ba	65.9	5	-	50		Elementals Trace Ba
Aluminium	Al	41.7	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		
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).