

REEF ICP TEST



Sample ID: 020215A

Sample type: Seawater

Volume aquarium in Litre: 75

Sample name: Nano Aquarium

Sampling date: 03-27-2022

Date of receipt: 04-01-2022

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 and halogens in mg/litre (1 mg = 0,001 g)

Recommended dosage Elementals

		measured	reference range		in ml	spread over ... days	Product
Sodium	Na	11163	9500	- 11500			
Sulphur	S	791	850	- 950			
Potassium	K	447	380	- 420			Elementals K
Boron	B	6	3,8	- 5,5			Elementals B
Magnesium	Mg	1430	1200	- 1450			Elementals Mg
Calcium	Ca	429	400	- 440			
Strontium	Sr	9.72	6,5	- 9			Elementals Sr
Iodine (Total Iodine)	I	0.024	0,055	- 0,08	3,1	2	Elementals Trace I
Bromine	Br	49.8	55	- 75	11	2	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	0.15	< 0,06		Waterchange		Elementals P
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0.46	0,02	- 0,10			
Silicon (ICP-OES)	Si	0.04	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	0.52	3	- 8	0,37	2	Elementals Trace Zn
Vanadium	V	n.n.	2	- 10	0,9	3	Elementals Trace V
Copper	Cu	n.n.	2	- 6	3	2	Elementals Trace Cu
Nickel	Ni	n.n.	3	- 6	0,84	2	Elementals Trace Ni
Manganese	Mn	0.63	0,10	- 0,25			Elementals Trace Mn
Molybdenum	Mo	23.1	10	- 20			Elementals Trace Mo
Iron	Fe	n.n.	0,05	- 2,5	0,28	2	Elementals Trace Fe
Chrome	Cr	n.n.	0,05	- 2,3	1,8	3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02	- 1,9	0,19	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	67	180	- 350	9,9	7	Elementals Trace Li
Barium	Ba	17.9	20	- 50	26	4	Elementals Trace Ba
Aluminium	Al	1.8	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).