

REEF ICP

METHODOLOGY: ICP-OES, photometric and electrochemical methods specific to seawater.

Recommended values are optimized for coral reef aquariums.

The quantity of Fauna Marin ELEMENTALS and TRACE products to be added to your tank is displayed for one-time correction of a deficiency. Click on the product name and you will be taken directly to the store.

Sample ID: 01163827

Analysis ID: 221205

Sample Type: Seawater
Volume in Liters: 473
Sampling Point: 125G Reef
Sampling Date: 05-27-2025
Sample Arrival: 06-02-2025

[To the dosing and action recommendations](#)



MACROELEMENTS, CALCIUM BALANCE ELEMENTS, AND HALOGENS in mg/Liter

		measured	Reference Range	Dosing recommendation spread over ...		Product
				in ml	days	
Sodium	Na	11639	9500 - 10700 - 11500			
Sulfur	S	905	850 - 900 - 950			ELEMENTALS S
Sulfate	SO ₄ ²⁻	2711	2550 - 2700 - 2850			
Potassium	K	341	380 - 395 - 420	255	2	ELEMENTALS K
Boron	B	16.4	3,8 - 4,5 - 5,5	Waterch		ELEMENTALS B
Magnesium	Mg	1380	1200 - 1350 - 1450			ELEMENTALS MG
Calcium	Ca	349	400 - 425 - 440			
Strontium	Sr	8.78	6,5 - 8,0 - 9,0			ELEMENTALS SR
Bromine (total bromine, ICP-OES)	Br	85.3	55 - 67 - 75			ELEMENTALS BR
Iodine (Total Iodine, ICP-OES)	I	0.018	0,055 - 0,065 - 0,080	22	2	TRACE I

MACRO NUTRIENTS in mg/Liter

		measured	Reference Range	Dosing recommendation spread over ...		Product
				in ml	days	
Phosphorus (ICP-OES)	P	0.023	< 0,06			ELEMENTALS P
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0.071	0,02 - 0,18			
Silicon	Si	0.24	0,1 - 0,2			
Silicate (calculated)	SiO ₂	0.52	0,2 - 0,4			

ORGANIC FACTORS

		measured	Reference Range					
SAK254 (m ⁻¹)		n.m.	0,5	-	5,0			
Interested? Then get this value as an upgrade for your next analysis and find out even more about your tank!								

Dynamic Elements in µg/Liter

		measured	Reference Range			Dosing recommendation spread over ... in ml days		Product
Zinc	Zn	8.42	3	- 5,5 -	8			TRACE ZN
Vanadium	V	n.d.	2	- 6 -	10	5,7	3	TRACE V
Copper	Cu	8.93	2	- 4 -	6			TRACE CU
Nickel	Ni	5.21	3	- 4,5 -	6			TRACE NI
Molybdenum	Mo	1.1	10	- 15 -	20	11	3	TRACE MO

PHYSIOLOGICALLY RELEVANT TRACE ELEMENTS in µg/Liter

		measured	Reference Range			Dosing recommendation spread over ... in ml days		Product
					Max.			
Barium	Ba	13	5	-	50			TRACE BA
Cobalt	Co	0.92	n.d.	-	1,9			TRACE CO
Chromium	Cr	n.d.	n.d.	-	2,3	11	3	TRACE CR
Iron	Fe	n.d.	n.d.	-	2,5	1,8	2	TRACE FE
Lithium	Li	490	180	-	350			TRACE LI
Manganese	Mn	0.1	n.d.	-	0,25	0,09	1	TRACE MN
Selenium	Se	n.d.	n.d.	-	2	30	4	TRACE SE

OTHER TRACE ELEMENTS AND POTENTIAL POLLUTANTS in µg/Liter

		measured	Reference Range					
Aluminum	Al	44	5	-	30			
Antimony	Sb	n.d.	n.d.	-	10 (max.)			
Arsenic	As	9.8			n.d.			
Beryllium	Be	n.d.			n.d.			
Lead	Pb	n.d.			n.d.			
Cadmium	Cd	n.d.			n.d.			
Lanthanum	La	n.d.	2	-	10			
Mercury	Hg	n.d.			n.d.			
Silver	Ag	n.d.	n.d.	-	10 (max.)			
Titanium	Ti	n.d.	n.d.	-	3,5			
Tungsten	W	n.d.	n.d.	-	30 (max.)			
Tin	Sn	30.8	n.d.	-	10 (max.)			
Zirconium	Zr	n.d.	n.d.	-	2,2			

Abbreviations: ICP-OES (inductively coupled plasma with optical emission spectrometry), SAK254 (spectral absorption coefficient at 254 nm), n.m. (not measured), n.d. (not detectable).