

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: 02115054

Analysis ID: 169829

Sample Type: Seawater
 Volume in Liters: 425
 Sampling Point: Redsea 425 G2
 Sampling Date: 10-17-2024
 Sample Arrival: 10-22-2024

[To the dosing and action recommendations](#)



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

		measured	Reference Range	Dosing recommendation		Product
				in ml	spread over ... days	
Sodium	Na	11200	9500 - 10700 - 11500			
Sulfur	S	857	850 - 900 - 950			ELEMENTALS S
Sulfate	SO ₄ ²⁻	2568	2550 - 2700 - 2850			ELEMENTALS K
Potassium	K	421	380 - 395 - 420			ELEMENTALS B
Boron	B	6.17	3,8 - 4,5 - 5,5			
Magnesium	Mg	1408	1200 - 1350 - 1450			ELEMENTALS MG
Calcium	Ca	470	400 - 425 - 440			
Strontium	Sr	5.63	6,5 - 8,0 - 9,0	50	2	ELEMENTALS SR
Bromine (total bromine, ICP-OES)	Br	76.9	55 - 67 - 75			ELEMENTALS BR
Iodine (Total Iodine, ICP-OES)	I	0.049	0,055 - 0,065 - 0,080	6,8	1	TRACE I

MACRO NUTRIENTS in mg/Liter

		measured	Reference Range	Dosing recommendation		Product
				in ml	spread over ... days	
Phosphorus (ICP-OES)	P	0.013	< 0,06			ELEMENTALS P
Total Phosphate (calculated)	PO ₄ ^{3-tot.}	0.04	0,02 - 0,18			
Silicon	Si	0.12	0,1 - 0,2			
Silicate (calculated)	SiO ₂	0.26	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 ...		Product
				in ml	days	
Zinc	Zn	n.d.	3 - 5,5 - 8	2,3	2	TRACE ZN
Vanadium	V	n.d.	2 - 6 - 10	5,1	3	TRACE V
Copper	Cu	2.55	2 - 4 - 6			TRACE CU
Nickel	Ni	0.91	3 - 4,5 - 6	3,8	1	TRACE NI
Molybdenum	Mo	44.6	10 - 15 - 20	Waterch		TRACE MO

PHYSIOLOGICALLY RELEVANT TRACE ELEMENTS in µg/Liter

		measured	Reference Range	Dosing recommendation spread over ...		Product
				in ml	days	
			Max.			
Barium	Ba	3.2	5 - 50	58	2	TRACE BA
Cobalt	Co	n.d.	n.d. - 1,9	1,1	1	TRACE CO
Chromium	Cr	n.d.	n.d. - 2,3	10	3	TRACE CR
Iron	Fe	n.d.	n.d. - 2,5	1,6	2	TRACE FE
Lithium	Li	188	180 - 350			TRACE LI
Manganese	Mn	0.16	n.d. - 0,25			TRACE MN
Selenium	Se	n.d.	n.d. - 2	27	4	TRACE SE

OTHER TRACE ELEMENTS AND POTENTIAL POLLUTANTS in µg/Liter

		measured	Reference Range
Aluminum	Al	n.d.	5 - 30
Antimony	Sb	n.d.	n.d. - 10 (max.)
Arsenic	As	n.d.	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	7.8	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).