

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: 02066554

Analysis ID: 172554

Sample Type: Seawater
 Volume in Liters: 300
 Sampling Point: Petit Reef
 Sampling Date: 10-29-2024
 Sample Arrival: 11-05-2024

[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	10803	9500 - 10700 - 11500			
Sulfur	S	836	850 - 900 - 950	274	4	ELEMENTALS S
Sulfate	SO ₄ ²⁻	2505	2550 - 2700 - 2850			
Potassium	K	383	380 - 395 - 420			ELEMENTALS K
Boron	B	4.83	3,8 - 4,5 - 5,5			ELEMENTALS B
Magnesium	Mg	1375	1200 - 1350 - 1450			ELEMENTALS MG
Calcium	Ca	454	400 - 425 - 440			
Strontium	Sr	12.3	6,5 - 8,0 - 9,0			ELEMENTALS SR
Bromine (total bromine, ICP-OES)	Br	62.3	55 - 67 - 75			ELEMENTALS BR
Iodine (Total Iodine, ICP-OES)	I	0.088	0,055 - 0,065 - 0,080			TRACE I

MACRO NUTRIENTS in mg/Liter

		measured	Reference Range	Dosing recommendation		Product
				in ml	spread over ... days	
Phosphorus (ICP-OES)	P	0.075	< 0,06			
Total Phosphate (calculated)	PO ₄ ^{3-tot.}	0.23	0,02 - 0,18	Waterch		ELEMENTALS P
Silicon	Si	0.14	0,1 - 0,2			
Silicate (calculated)	SiO ₂	0.29	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	1,6	2	TRACE ZN
Vanadium	V	2.82	2 - 6 - 10			TRACE V
Copper	Cu	0.92	2 - 4 - 6	9,2	2	TRACE CU
Nickel	Ni	n.d.	3 - 4,5 - 6	3,4	2	TRACE NI
Molybdenum	Mo	12.9	10 - 15 - 20			TRACE MO

PHYSIOLOGICALLY RELEVANT TRACE ELEMENTS in µg/Liter

		measured	Reference Range	Dosing recommendation spread over ...		Product
				in ml	days	
			Max.			
Barium	Ba	1	5 - 50	54	2	TRACE BA
Cobalt	Co	n.d.	n.d. - 1,9	0,75	1	TRACE CO
Chromium	Cr	n.d.	n.d. - 2,3	7,1	3	TRACE CR
Iron	Fe	n.d.	n.d. - 2,5	1,1	2	TRACE FE
Lithium	Li	231	180 - 350			TRACE LI
Manganese	Mn	0.31	n.d. - 0,25			TRACE MN
Selenium	Se	n.d.	n.d. - 2	19	4	TRACE SE

OTHER TRACE ELEMENTS AND POTENTIAL POLLUTANTS in µg/Liter

		measured	Reference Range
Aluminum	Al	53.6	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	n.d.	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).