

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: 02254739

Analysis ID: 181680

Sample Type: Seawater
Volume in Liters: 290
Sampling Point: Waterbox 90.3
Sampling Date: 12-09-2024
Sample Arrival: 12-12-2024

[To the dosing and action recommendations](#)



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

		measured	Reference Range	Dosing recommendation in ml spread over ... days	Product
Sodium	Na	11455	9500 - 10700 - 11500		
Sulfur	S	884	850 - 900 - 950		ELEMENTALS S
Sulfate	SO ₄ ²⁻	2648	2550 - 2700 - 2850		
Potassium	K	430	380 - 395 - 420		ELEMENTALS K
Boron	B	5.8	3,8 - 4,5 - 5,5		ELEMENTALS B
Magnesium	Mg	1346	1200 - 1350 - 1450		ELEMENTALS MG
Calcium	Ca	432	400 - 425 - 440		
Strontium	Sr	8.01	6,5 - 8,0 - 9,0		ELEMENTALS SR
Bromine (total bromine, ICP-OES)	Br	71.1	55 - 67 - 75		ELEMENTALS BR
Iodine (Total Iodine, ICP-OES)	I	0.082	0,055 - 0,065 - 0,080		TRACE I

MACRO NUTRIENTS in mg/Liter

		measured	Reference Range	Dosing recommendation in ml spread over ... days	Product
Phosphorus (ICP-OES)	P	0.264	< 0,06		
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0.809	0,02 - 0,18	Waterch	ELEMENTALS P
Silicon	Si	0.13	0,1 - 0,2		
Silicate (calculated)	SiO ₂	0.28	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	7.38	3	- 5,5 -	8			TRACE ZN
Vanadium	V	1.97	2	- 6 -	10	2,3	3	TRACE V
Copper	Cu	5.86	2	- 4 -	6			TRACE CU
Nickel	Ni	3.06	3	- 4,5 -	6			TRACE NI
Molybdenum	Mo	14.2	10	- 15 -	20			TRACE MO

PHYSIOLOGICALLY RELEVANT TRACE ELEMENTS in µg/Liter

		measured	Reference Range			Dosing recommendation spread over ... in ml days		Product
					Max.			
Barium	Ba	32.2	5	-	50			TRACE BA
Cobalt	Co	0.66	n.d.	-	1,9			TRACE CO
Chromium	Cr	n.d.	n.d.	-	2,3	6,8	3	TRACE CR
Iron	Fe	8.05	n.d.	-	2,5			TRACE FE
Lithium	Li	208	180	-	350			TRACE LI
Manganese	Mn	5.13	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	31.1	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).