

# 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:** 084055M

**Analysis ID:** 161238

Sample Type: Seawater  
 Volume in Liters: 284  
 Sampling Point: RS 300 G2  
 Sampling Date: 09-07-2024  
 Sample Arrival: 09-12-2024

[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	11137	9500 - 10700 - 11500			
Sulfur	S	857	850 - 900 - 950			ELEMENTALS S
Sulfate	SO <sub>4</sub> <sup>2-</sup>	2568	2550 - 2700 - 2850			
Potassium	K	433	380 - 395 - 420			ELEMENTALS K
Boron	B	6.25	3,8 - 4,5 - 5,5			ELEMENTALS B
Magnesium	Mg	1363	1200 - 1350 - 1450			ELEMENTALS MG
Calcium	Ca	498	400 - 425 - 440			
Strontium	Sr	6.95	6,5 - 8,0 - 9,0			ELEMENTALS SR
Bromine (total bromine, ICP-OES)	Br	73	55 - 67 - 75			ELEMENTALS BR
Iodine (Total Iodine, ICP-OES)	I	0.042	0,055 - 0,065 - 0,080	6,5	1	TRACE I

## MACRO NUTRIENTS in mg/Liter

		measured	Reference Range	Dosing recommendation		Product
				in ml	spread over ... days	
Phosphorus (ICP-OES)	P	0.017	< 0,06			ELEMENTALS P
Total Phosphate (calculated)	PO <sub>4</sub> <sup>3-tot.</sup>	0.052	0,02 - 0,18			
Silicon	Si	0.22	0,1 - 0,2			
Silicate (calculated)	SiO <sub>2</sub>	0.48	0,2 - 0,4			

## ORGANIC FACTORS

	measured	Reference Range
SAK254 (m <sup>-1</sup> )	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!

## PHYSIOLOGICALLY RELEVANT TRACE ELEMENTS in µg/Liter

		measured	Reference Range	Dosing recommendation		Product
				in ml	spread over ... days	
Copper	Cu	2.45	2 - 4 - 6			TRACE CU
Molybdenum	Mo	9.9	10 - 15 - 20	2,4	1	TRACE MO
Nickel	Ni	2.8	3 - 4,5 - 6	1,2	1	TRACE NI
Vanadium	V	1.55	2 - 6 - 10	2,5	3	TRACE V
Zinc	Zn	5.49	3 - 5,5 - 8			TRACE ZN
<b>Max.</b>						
Barium	Ba	9.3	5 - - 50			TRACE BA
Cobalt	Co	1.35	n.d. - - 1,9			TRACE CO
Chromium	Cr	n.d.	n.d. - - 2,3	6,7	3	TRACE CR
Iron	Fe	n.d.	n.d. - - 2,5	1,1	2	TRACE FE
Lithium	Li	202	180 - - 350			TRACE LI
Manganese	Mn	n.d.	n.d. - - 0,25	0,12	1	TRACE MN
Selenium	Se	n.d.	n.d. - - 2	18	4	TRACE SE

## OTHER TRACE ELEMENTS AND POTENTIAL POLLUTANTS in µg/Liter

		measured	Reference Range
Aluminum	Al	16.7	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).