

REEF ICP TEST



Sample ID: 0920490

Sample type: Seawater

Volume aquarium in Litre: 10000

Sample name: Med.sea.water

Sampling date: 05-15-2023

Date of receipt: 05-25-2023

Method: ICP-OES (inductively coupled plasma with optical emission spectrometry) specifically for seawater.

Recommended values are optimized for coral reef aquariums.

To resolve a deficiency, the quantity of Fauna Marin Elementals to be dosed is displayed adapted to your aquarium. A click on the product name takes you directly to the shop.

Further help can be found here:

[Fauna Marin Forum](#)

[Reef 2 Reef](#)

[Fauna Marin Reefing Group on Facebook](#)

Major elements, lime elements and halogens in mg/litre (1 mg = 0,001 g)

Recommended dosage Elementals

		measured	reference range		in ml	spread over ... days	Product
Sodium	Na	12179	9500	- 10700 -	11500		
Sulphur	S	951	850	- 900 -	950		
Potassium	K	463	380	- 395 -	420	Waterchange	Elementals K
Boron	B	5.21	3,8	- 4,5 -	5,5		Elementals B
Magnesium	Mg	1474	1200	- 1350 -	1450		Elementals Mg
Calcium	Ca	459	400	- 425 -	440		
Strontium	Sr	8.91	6,5	- 8 -	9		Elementals Sr
Iodine (Total Iodine)	I	0.073	0,055	- 0,065 -	0,08		Elementals Trace I
Bromine	Br	72.5	55	- 65 -	75		Elementals Br

Macronutrients

in mg/litre (1 mg = 0,001 g)

Recommended dosage Elementals

		measured	reference range		in ml	spread over ... days	Product
Phosphorus (ICP-OES)	P	n.n.	< 0,06		400	2	Elementals P
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	n.n.	0,02	- 0,10			
Silicon	Si	0.27	0,1	- 0,2			

Physiologically relevant trace elements and color-relevant micronutrients in µg/litre (1 µg = 0,000001 g)

Recommended dosage Elementals

		measured	reference range		in ml	spread over ... days	Product
Zinc	Zn	0.51	3	- 8	50	2	Elementals Trace Zn
Vanadium	V	2.44	2	- 10			Elementals Trace V
Copper	Cu	0.6	2	- 6	340	2	Elementals Trace Cu
Nickel	Ni	n.n.	3	- 6	112	2	Elementals Trace Ni
Manganese	Mn	0.11	0,10	- 0,25			Elementals Trace Mn
Molybdenum	Mo	9.7	10	- 20	89	1	Elementals Trace Mo
Iron	Fe	n.n.	0,05	- 2,5	38	2	Elementals Trace Fe
Chrome	Cr	n.n.	0,05	- 2,3	236	3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02	- 1,9	25	1	Elementals Trace Co

Other trace elements and potentially harmful substances in µg/litre (1 µg = 0,000001 g)

Recommended dosage Elementals

		measured	reference range		in ml	spread over ... days	Product
Lithium	Li	222	180	- 350			Elementals Trace Li
Barium	Ba	8	5	- 50			Elementals Trace Ba
Aluminium	Al	3.9	5	- 30			
Antimony	Sb	n.n.	< 10				
Tin	Sn	n.n.	< 10				
Beryllium	Be	n.n.	0,1	- 1,4			
Selenium	Se	n.n.	0,9	- 5,5			
Silver	Ag	n.n.	< 10				
Tungsten	W	n.n.	< 30				
Lanthanum	La	n.n.	2	- 10			
Titanium	Ti	n.n.	0,5	- 3,5			
Zirconium	Zr	n.n.	1,0	- 2,2			
Arsenic	As	n.n.	< 1				
Cadmium	Cd	n.n.	< 1				
Mercury	Hg	n.n.	< 1				
Lead	Pb	n.n.	< 1				

Measured values of type "> 24" indicate that the concentration is above the calibrated range and therefore cannot be definitely determined. In these cases the highest detectable value is indicated (e.g. 24 µg/l), the actual value may be higher. Abbreviations: n.g. (not measured), n.n. (not detectable).