

REEF ICP TEST



Sample ID: 0088201

Sample type: Seawater

Volume aquarium in Litre: 240

Sample name: Pedras Secas

Sampling date: 08-14-2021

Date of receipt: 08-30-2021

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

Recommended dosage Elementals

		measured	reference range			in ml	spread over ... days	Product
Sodium	Na	10146	9500	-	10700	-	11500	
Sulphur	S	745	850	-	900	-	950	
Potassium	K	392	380	-	395	-	420	Elementals K
Boron	B	3,77	3,8	-	4,5	-	5,5	Elementals B
Magnesium	Mg	1356	1200	-	1350	-	1450	Elementals Mg
Calcium	Ca	437	400	-	425	-	440	
Strontium	Sr	5,57	6,5	-	8	-	9	Elementals Sr
Iodine (Total Iodine)	I	0,03	0,055	-	0,065	-	0,08	Elementals Trace I
Bromine	Br	76,3	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	0,02	< 0,06					Elementals P
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0,06	0,02	-	0,10			
Silicon (ICP-OES)	Si	0,24	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	1,44	3	-	8	0,97	2	Elementals Trace Zn
Vanadium	V	n.n.	2	-	10	2,9	3	Elementals Trace V
Copper	Cu	2,24	2	-	6			Elementals Trace Cu
Nickel	Ni	1,81	3	-	6	1,6	1	Elementals Trace Ni
Manganese	Mn	0,43	0,10	-	0,25			Elementals Trace Mn
Molybdenum	Mo	3,8	10	-	20	4,5	2	Elementals Trace Mo
Iron	Fe	1,96	0,05	-	2,5			Elementals Trace Fe
Chrome	Cr	n.n.	0,05	-	2,3	5,7	3	Elementals Trace Cr
Cobalt	Co	0,7	0,02	-	1,9			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	178	180	-	350	14	3	Elementals Trace Li
Barium	Ba	24,9	20	-	50			Elementals Trace Ba
Aluminium	Al	5	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			
Scandium	Sc	n.n.	0,1	-	1,0			
Zirconium	Zr	n.n.	1,0	-	2,2			
Arsenic	As	n.n.	< 1					
Cadmium	Cd	n.n.	< 1					
Mercury	Hg	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).