

REEF ICP TEST



Sample ID: 009721j

Sample type: Seawater

Volume aquarium in Litre: 38

Sample name: Coral Frag

Sampling date: 11-26-2021

Date of receipt: 12-07-2021

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	10526	9500	- 10700	- 11500			
Sulphur	S	870	850	- 900	- 950			
Potassium	K	402	380	- 395	- 420			Elementals K
Boron	B	2.79	3,8	- 4,5	- 5,5	9,7	1	Elementals B
Magnesium	Mg	1439	1200	- 1350	- 1450			Elementals Mg
Calcium	Ca	443	400	- 425	- 440			
Strontium	Sr	8.85	6,5	- 8	- 9			Elementals Sr
Iodine (Total Iodine)	I	0.017	0,055	- 0,065	- 0,08	1,8	2	Elementals Trace I
Bromine	Br	64.5	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	0.007	< 0,06					Elementals P
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0.02	0,02	-	0,10			
Silicon (ICP-OES)	Si	0.64	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	25.2	3	-	8	Waterchange		Elementals Trace Zn
Vanadium	V	n.n.	2	-	10	0,46	3	Elementals Trace V
Copper	Cu	n.n.	2	-	6	1,5	2	Elementals Trace Cu
Nickel	Ni	1.5	3	-	6	0,29	1	Elementals Trace Ni
Manganese	Mn	0.1	0,10	-	0,25	0,01	1	Elementals Trace Mn
Molybdenum	Mo	7.2	10	-	20	0,49	2	Elementals Trace Mo
Iron	Fe	n.n.	0,05	-	2,5	0,14	2	Elementals Trace Fe
Chrome	Cr	n.n.	0,05	-	2,3	0,9	3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02	-	1,9	0,1	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	238	180	-	350			Elementals Trace Li
Barium	Ba	52.7	20	-	50			Elementals Trace Ba
Aluminium	Al	22.9	5	-	30			
Antimony	Sb	18.9	< 10					
Tin	Sn	1.1	< 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	0.1	< 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).