

REEF ICP TEST



Sample ID: 047521J
Sample type: Seawater
Volume aquarium in Litre: 75
Sample name: Nano Aquarium
Sampling date: 03-10-2022
Date of receipt: 03-17-2022

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	10943	9500	- 10700 -	11500			
Sulphur	S	837	850	- 900 -	950			
Potassium	K	463	380	- 395 -	420	Waterchange	Elementals K	
Boron	B	6.19	3,8	- 4,5 -	5,5		Elementals B	
Magnesium	Mg	1517	1200	- 1350 -	1450		Elementals Mg	
Calcium	Ca	423	400	- 425 -	440			
Strontium	Sr	8.77	6,5	- 8 -	9		Elementals Sr	
Iodine (Total Iodine)	I	0.016	0,055	- 0,065 -	0,08	3,7	2	Elementals Trace I
Bromine	Br	49.3	55	- 65 -	75	12	2	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	0.068	< 0,06		Waterchange		Elementals P	
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0.21	0,02	-				0,10
Silicon (ICP-OES)	Si	0.12	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	0.89	3	-	8	0,35	2	Elementals Trace Zn
Vanadium	V	n.n.	2	-	10	0,9	3	Elementals Trace V
Copper	Cu	n.n.	2	-	6	3	2	Elementals Trace Cu
Nickel	Ni	n.n.	3	-	6	0,84	2	Elementals Trace Ni
Manganese	Mn	0.33	0,10	-	0,25			Elementals Trace Mn
Molybdenum	Mo	21.4	10	-	20			Elementals Trace Mo
Iron	Fe	n.n.	0,05	-	2,5	0,28	2	Elementals Trace Fe
Chrome	Cr	n.n.	0,05	-	2,3	1,8	3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02	-	1,9	0,19	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	70	180	-	350	9,7	7	Elementals Trace Li
Barium	Ba	20.1	20	-	50			Elementals Trace Ba
Aluminium	Al	1.8	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).