

REEF ICP TEST



Sample ID: 01162172

Sample type: Seawater

Volume aquarium in Litre: 150

Sample name: 40 Gallon Breeder

Sampling date: 02-25-2023

Date of receipt: 03-27-2023

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	10277	9500	- 10700 - 11500			
Sulphur	S	726	850	- 900 - 950			
Potassium	K	433	380	- 395 - 420			Elementals K
Boron	B	6.02	3,8	- 4,5 - 5,5			Elementals B
Magnesium	Mg	1390	1200	- 1350 - 1450			Elementals Mg
Calcium	Ca	450	400	- 425 - 440			
Strontium	Sr	9.96	6,5	- 8 - 9			Elementals Sr
Iodine (Total Iodine)	I	0.012	0,055	- 0,065 - 0,08	8	2	Elementals Trace I
Bromine	Br	49.1	55	- 65 - 75	24	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	0.014	< 0,06				
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0.04	0,02	-	0,10		Elementals P
Silicon	Si	0.16	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	n.n.	3	-	8	0,82	2	Elementals Trace Zn
Vanadium	V	1.25	2	-	10	1,4	3	Elementals Trace V
Copper	Cu	n.n.	2	-	6	6	2	Elementals Trace Cu
Nickel	Ni	0.45	3	-	6	1,5	2	Elementals Trace Ni
Manganese	Mn	n.n.	0,10	-	0,25	0,07	1	Elementals Trace Mn
Molybdenum	Mo	18	10	-	20			Elementals Trace Mo
Iron	Fe	n.n.	0,05	-	2,5	0,56	2	Elementals Trace Fe
Chrome	Cr	n.n.	0,05	-	2,3	3,5	3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02	-	1,9	0,38	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	52	180	-	350	21	8	Elementals Trace Li
Barium	Ba	41.1	5	-	50			Elementals Trace Ba
Aluminium	Al	11.3	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).