

REEF ICP TEST



Sample ID: 032570H
Sample type: Seawater
Volume aquarium in Litre: 625
Sample name: Reefer 625 xxl
Sampling date: 01-03-2022
Date of receipt: 01-12-2022

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	10351	9500	- 11500			
Sulphur	S	832	850	- 950			
Potassium	K	395	380	- 420			Elementals K
Boron	B	4.14	3,8	- 5,5			Elementals B
Magnesium	Mg	1443	1200	- 1450			Elementals Mg
Calcium	Ca	437	400	- 440			
Strontium	Sr	8.32	6,5	- 9			Elementals Sr
Iodine (Total Iodine)	I	0.026	0,055	- 0,08	24	2	Elementals Trace I
Bromine	Br	71.3	55	- 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	0.015	< 0,06				Elementals P
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0.05	0,02	- 0,10			
Silicon (ICP-OES)	Si	0.03	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	9.5	3	- 8			Elementals Trace Zn
Vanadium	V	n.n.	2	- 10	7,5	3	Elementals Trace V
Copper	Cu	2.61	2	- 6			Elementals Trace Cu
Nickel	Ni	2.32	3	- 6	3,4	1	Elementals Trace Ni
Manganese	Mn	n.n.	0,10	- 0,25	0,27	1	Elementals Trace Mn
Molybdenum	Mo	8.5	10	- 20	6,7	2	Elementals Trace Mo
Iron	Fe	n.n.	0,05	- 2,5	2,3	2	Elementals Trace Fe
Chrome	Cr	n.n.	0,05	- 2,3	15	3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02	- 1,9	1,6	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	195	180	- 350			Elementals Trace Li
Barium	Ba	22	20	- 50			Elementals Trace Ba
Aluminium	Al	12.9	5	- 30			
Antimony	Sb	n.n.	< 10				
Tin	Sn	4.5	< 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	28.8	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).