

REEF ICP TEST



Sample ID: 020509G
Sample type: seawater
Volume aquarium in Liter: 256
Sample name: Reefer 250
Sampling date: 06-21-2021
Date of receipt: 06-23-2021

Method: SRL specifically for seawater using ICP-OES (inductively coupled plasma with optical emission spectrometry).

Recommended values are optimized for coral reef aquariums.

To resolve a deficiency, the quantity of Fauna Marin Elements 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/liter (1 mg = 0.001 g) Recommended dosage Elementals

		measured	reference range		in ml	spread over ... days	Product
Sodium	Na	10769	9500	- 10700 -	11500		
Sulphur	S	913	850	- 900 -	950		
Potassium	K	400	380	- 395 -	420		Elementals K
Boron	B	4.43	3,8	- 4.5 -	5,5		Elementals B
Magnesium	Mg	1350	1200	- 1350 -	1450		Elementals Mg
Calcium	Ca	447	400	- 425 -	440		
Strontium	Sr	10	6,5	- 8 -	9		Elementals Sr
Iodine (Total Iodine)	I	0.031	0,055	- 0.065 -	0,08	9	2 Elementals Trace I
Bromine	Br	68.4	55	- 67 -	75		Elementals Br

Macronutrients in mg/liter (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	0.12	0,1	-	0,2		

Physiologically relevant trace elements and color-relevant micronutrients in µg/liter (1 µg = 0.000001 g) Recommended dosage Elementals

		measured	reference range		in ml	spread over ... days	Product
Zinc	Zn	1.19	3	-	8	1	2 Elementals Trace Zn
Vanadium	V	n.n.	2	-	10	3	3 Elementals Trace V
Copper	Cu	n.n.	2	-	6	10	2 Elementals Trace Cu
Nickel	Ni	1.22	3	-	6	2	1 Elementals Trace Ni
Manganese	Mn	0.11	0,10	-	0,25		Elementals Trace Mn
Molybdenum	Mo	9.1	10	-	20	3	1 Elementals Trace Mo
Iron	Fe	n.n.	0,05	-	2,5	1	2 Elementals Trace Fe
Chrome	Cr	n.n.	0,05	-	2,3	6	3 Elementals Trace Cr
Cobalt	Co	n.n.	0,02	-	1,9	1	1 Elementals Trace Co

Other trace elements and potentially harmful substances in µg/liter (1 µg = 0.000001 g) Recommended dosage Elementals

		measured	reference range		in ml	spread over ... days	Product
Lithium	Li	114	180	-	350	26	6 Elementals Trace Li
Barium	Ba	5.1	20	-	50	153	6 Elementals Trace Ba
Aluminium	Al	34.3	5	-	30		
Antimony	Sb	n.n.	< 10				
Tin	Sn	n.n.	< 10				
Beryllium	Be	n.n.	0,1	-	1,4		
Selenium	Se	2.2	0,9	-	5,5		
Silver	Ag	10.5	< 10				
Tungsten	W	n.n.	< 30				
Lanthanum	La	n.n.	2	-	10		
Titanium	Ti	3.6	0,5	-	3,5		
Scandium	Sc	n.n.	0,1	-	1,0		
Zirconium	Zr	n.n.	1,0	-	2,2		
Arsenic	As	1.7	< 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).