

REEF ICP TEST



Sample ID: 0240 Ronny Chiang

Sample type: Seawater
Volume aquarium in Liter: 190
Sample name: 40 Breeder
Sampling date: 13.03.21
Date of receipt: 09.04.21

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

Recommended values are optimized for coral reef aquariums.

Values in **orange** require action.

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/liter (1 mg = 0,001 g)

Recommended dosage Elementals

		measured	reference range			in ml	spread over ... days	Product
Sodium	Na	11387	9500	-	11500			
Sulphur	S	915	850	-	900			
Potassium	K	399	380	-	395			Elementals K
Boron	B	4,33	3,8	-	4,5			Elementals B
Magnesium	Mg	1432	1200	-	1350			Elementals Mg
Calcium	Ca	376	400	-	425			
Strontium	Sr	7,35	6,5	-	8			Elementals Sr
Iodine (Total Iodine)	I	0,037	0,055	-	0,065	5	1	Elementals Trace I
Bromine	Br	64,59	55	-	67			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	0,016	< 0,06					Elementals P
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0,05	0,02	-	0,10			
Silicon (ICP-OES)	Si	0,36	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	5,07	3	-	8			Elementals Trace Zn
Vanadium	V	2,01	2	-	10			Elementals Trace V
Copper	Cu	0,74	2	-	6	6	2	Elementals Trace Cu
Nickel	Ni	1,68	3	-	6	1	1	Elementals Trace Ni
Manganese	Mn	n.n.	0,10	-	0,25	0,08	1	Elementals Trace Mn
Molybdenum	Mo	9,96	10	-	20	2	1	Elementals Trace Mo
Iron	Fe	n.n.	0,05	-	2,5	0,7	2	Elementals Trace Fe
Chrome	Cr	n.n.	0,05	-	2,3	4	3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02	-	1,9	0,5	1	Elementals Trace Co

Other trace elements und 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	214	180	-	350			Elementals Trace Li
Barium	Ba	21	20	-	50			Elementals Trace Ba
Aluminium	Al	127,69	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			
Scandium	Sc	n.n.	0,1	-	1,0			
Zirconium	Zr	n.n.	1,0	-	2,2			
Arsenic	As	n.n.	< 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).