

FREE ICP TEST

FÜR MEERWASSERAQUARIEN



Sample number: 642
Client name: Maximilien Barbieux

Sample type: Seawater
Volume aquarium in Liter: 136
Sample name: 642
Sampling date: 03.12.19
Date of receipt: 12.12.19

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 in Facebook](#)

E-Mail: barbieux.m@waznet.be

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	11618	9500 - 10700 - 11500			
Sulphur	S	976	850 - 900 - 950			
Potassium	K	433	380 - 395 - 420			Elementals K
Boron	B	4,75	3,8 - 4,5 - 5,5			Elementals B
Magnesium	Mg	1574	1200 - 1350 - 1450	water change		Elementals Mg
Calcium	Ca	452	400 - 425 - 440			
Strontium	Sr	9,89	6,5 - 8 - 9			Elementals Sr
Iodine (Total Iodine)	I	0,073	0,055 - 0,065 - 0,08			Elementals Trace I
Bromine	Br	61,50	55 - 67 - 75			Elementals Br

Macronutrients in mg/liter (1 mg = 0,001 g)

		measured	reference range
Phosphorus (ICP-OES)	P	0,1	< 0,06
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0,31	0,02 - 0,10
Silicon (ICP-OES)	Si	0,083	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	3,10	3 - 8			Elementals Trace Zn
Vanadium	V	4,28	2 - 10			Elementals Trace V
Copper	Cu	0,9	2 - 6			
Nickel	Ni	1,57	3 - 6	1	1	Elementals Trace Ni
Manganese	Mn	0,36	0,10 - 0,25			Elementals Trace Mn
Molybdenum	Mo	20,86	10 - 20			Elementals Trace Mo
Iron	Fe	n.n.	0,05 - 2,5	1	2	Elementals Trace Fe
Chrom	Cr	n.n.	0,05 - 2,3	3	3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02 - 1,9	0,3	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	223	180 - 350			Elementals Trace Li
Barium	Ba	56	20 - 50			Elementals Trace Ba
Aluminium	Al	6,42	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			

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).