

REEF ICP TEST



Client name: John McMahon 934

Sample type: Seawater

Volume aquarium in Liter: 31

Sample name: NUVO 10 Gallon

Sampling date: 14.11.20

Date of receipt: 19.11.20

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	10098	9500	-	10700 - 11500			
Sulphur	S	924	850	-	900 - 950			
Potassium	K	388	380	-	395 - 420			Elementals K
Boron	B	5,53	3,8	-	4,5 - 5,5			Elementals B
Magnesium	Mg	1311	1200	-	1350 - 1450			Elementals Mg
Calcium	Ca	450	400	-	425 - 440			
Strontium	Sr	10,29	6,5	-	8 - 9			Elementals Sr
Iodine (Total Iodine)	I	0,044	0,055	-	0,065 - 0,08	1	1	Elementals Trace I
Bromine	Br	61,70	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	0,006	< 0,06		1	2	Elementals P
Total Phosphate (calculated)	PO ₄ ³⁻ tot.	0,02	-	0,10			
Silicon (ICP-OES)	Si	0,15	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	6,17	3	-	8			Elementals Trace Zn
Vanadium	V	1,19	2	-	10	0,3	3	Elementals Trace V
Copper	Cu	9,86	2	-	6			Elementals Trace Cu
Nickel	Ni	n.n.	3	-	6	0,3	2	Elementals Trace Ni
Manganese	Mn	0,14	0,10	-	0,25			Elementals Trace Mn
Molybdenum	Mo	9,95	10	-	20	0,3	1	Elementals Trace Mo
Iron	Fe	0,65	0,05	-	2,5			Elementals Trace Fe
Chrome	Cr	n.n.	0,05	-	2,3	1	3	Elementals Trace Cr
Cobalt	Co	n.n.	0,02	-	1,9	0,1	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	193	180	-	350			Elementals Trace Li
Barium	Ba	67	20	-	50			Elementals Trace Ba
Aluminium	Al	41,26	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).