REEF ICP TEST

FAUNA MARIN ICP LAB

Sample ID:	**074057N**
Sample type:	Seawater
Volume aquarium in Litre:	1
Sample name:	Test soli Aquarium System
Sampling date:	09-22-2022
Date of receipt:	09-28-2022

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, lime 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	**11271**	9500	- 10700 -	11500			
Sulphur	S	**988**	850	- 900 -	950			
Potassium	K	**404**	380	- 395 -	420			Elementals K
Boron	B	**6.9**	3,8	- 4,5 -	5,5			Elementals B
Magnesium	Mg	**1326**	1200	- 1350 -	1450			Elementals Mg
Calcium	Ca	**506**	400	- 425 -	440	Waterchange		
Strontium	Sr	**7.24**	6,5	- 8 -	9			Elementals Sr
Iodine (Total Iodine)	I	**0.409**	0,055	- 0,065 -	0,08	Waterchange		Elementals Trace I
Bromine	Br	**78.7**	55	- 65 -	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	**0.003**	< 0,06			0,03	2	Elementals P
Total Phosphate (calculated)	PO_4^{3-} tot.	**0.01**	0,02	-	0,10			
Silicon	Si	**0.1**	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	**165**	3	-	8	Waterchange		Elementals Trace Zn
Vanadium	V	**0.83**	2	-	10	0,01	3	Elementals Trace V
Copper	Cu	**0.98**	2	-	6	0,03	2	Elementals Trace Cu
Nickel	Ni	**2.5**	3	-	6	0	1	Elementals Trace Ni
Manganese	Mn	**89.5**	0,10	-	0,25			Elementals Trace Mn
Molybdenum	Mo	**7.6**	10	-	20	0,01	2	Elementals Trace Mo
Iron	Fe	**37.8**	0,05	-	2,5			Elementals Trace Fe
Chrome	Cr	**n.n.**	0,05	-	2,3	0,02	3	Elementals Trace Cr
Cobalt	Co	**5.77**	0,02	-	1,9	Waterchange		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	**n.n.**	180	-	350	0,18	9	Elementals Trace Li
Barium	Ba	**532**	5	-	50	Waterchange		Elementals Trace Ba
Aluminium	Al	**12.5**	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			
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).