

REEF ICP TEST



Sample number: 0765
Client name: Dave Cureton
Sample type: Seawater
Volume aquarium in Liter: 538
Sample name: 142
Sampling date: 02.06.20
Date of receipt: 15.06.20

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](#)

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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 | 10623 | 9500 | - | 10700 | - | 11500 | |
| Sulphur | S | >1273 | 850 | - | 900 | - | 950 | |
| Potassium | K | 364 | 380 | - | 395 | - | 420 | 167 |
| Boron | B | 4,36 | 3,8 | - | 4,5 | - | 5,5 | 1 |
| Magnesium | Mg | 1316 | 1200 | - | 1350 | - | 1450 | Elementals K |
| Calcium | Ca | 363 | 400 | - | 425 | - | 440 | Elementals B |
| Strontium | Sr | 3,8 | 6,5 | - | 8 | - | 9 | Elementals Mg |
| Iodine (Total Iodine) | I | 0,06 | 0,055 | - | 0,065 | - | 0,08 | 113 |
| Bromine | Br | 64,70 | 55 | - | 67 | - | 75 | 3 |
| | | | | | | | | Elementals Sr |
| | | | | | | | | Elementals Trace I |
| | | | | | | | | 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 | 0,008 | < 0,06 | | | | | |
| Total Phosphate (calculated) | PO ₄ ³⁻ tot. | 0,025 | 0,02 | - | 0,10 | | | Elementals P |
| Silicon (ICP-OES) | Si | 0,21 | 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 | n.n. | 3 | - | 8 | 3 | 2 | Elementals Trace Zn |
| Vanadium | V | 0,55 | 2 | - | 10 | 6 | 3 | Elementals Trace V |
| Copper | Cu | 1,41 | 2 | - | 6 | 14 | 2 | Elementals Trace Cu |
| Nickel | Ni | n.n. | 3 | - | 6 | 6 | 2 | Elementals Trace Ni |
| Manganese | Mn | n.n. | 0,10 | - | 0,25 | 0,2 | 1 | Elementals Trace Mn |
| Molybdenum | Mo | 6,02 | 10 | - | 20 | 8 | 2 | Elementals Trace Mo |
| Iron | Fe | n.n. | 0,05 | - | 2,5 | 2 | 2 | Elementals Trace Fe |
| Chrome | Cr | n.n. | 0,05 | - | 2,3 | 13 | 3 | Elementals Trace Cr |
| Cobalt | Co | n.n. | 0,02 | - | 1,9 | 1,3 | 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 | 173 | 180 | - | 350 | 33 | 4 | Elementals Trace Li |
| Barium | Ba | n.n. | 20 | - | 50 | 377 | 7 | Elementals Trace Ba |
| Aluminium | Al | 57,5 | 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 | | | |
| 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).