



# Analysis Report

Date of Analysis: 04.06.2024  
Analysis No: MSR224682  
Date of Sampling: 29.05.2024 – 0,5

Customer: Stephan Jupillat  
Customer ID: 5066  
Tank: reef tank

## Main Parameters

Parameter	Measured Value	Ideal Value	Rating
Salinity	35,2 psu	35,0 psu	✓
Alkalinity (KH)	8,77 dKH	7,50 dKH	↗

## Main Elements

Parameter	Measured Value	Ideal Value	Rating
Calcium	432 mg/l	443 mg/l	✓
Boron	5,5 mg/l	4,5 mg/l	✓
Bromide	79 mg/l	67,4 mg/l	✓
Chloride	20068 mg/l	19511 mg/l	✓
Potassium	415 mg/l	402 mg/l	✓
Magnesium	1362 mg/l	1307 mg/l	✓
Sodium	10825 mg/l	10862 mg/l	✓
Strontium	7,1 mg/l	8,0 mg/l	✓
Sulfate	2609 mg/l	2715 mg/l	✓

## Trace Elements

Parameter	Measured Value	Ideal Value	Rating
Barium	3,36 µg/l	10–100 µg/l	↘
Chromium	0,25 µg/l	0,2–0,5 µg/l	✓
Cobalt	0,90 µg/l	0,05–0,2 µg/l	↗
Iron	0,62 µg/l	0,1–3 µg/l	✓
Fluoride	1,59 mg/l	1,3 mg/l	✓
Iodine	43,0 µg/l	50–70 µg/l	✓
Copper	0,21 µg/l	0,2–2 µg/l	✓
Lithium	223 µg/l	50–150 µg/l	✓
Manganese	0,36 µg/l	0,2–1 µg/l	✓
Molybdenum	20,1 µg/l	10–15 µg/l	✓
Nickel	5,42 µg/l	2–5 µg/l	✓
Rubidium	176,9 µg/l	90–150 µg/l	✓

Selenium	0,526 µg/l	0,2–0,5 µg/l	✓
Vanadium	4,77 µg/l	2–3 µg/l	✓
Zinc	10,99 µg/l	1–3 µg/l	↗
Tin	1,00 µg/l	0,05–1 µg/l	✓
Caesium	0,53 µg/l	0,3–3 µg/l	✓

## Pollutants

Parameter	Measured Value	Ideal Value	Rating
Aluminium	81,2 µg/l	< 40 µg/l	↑
Bismuth	n.n.	< 1 µg/l	✓
Lead	0,314 µg/l	< 3 µg/l	✓
Mercury	n.n.	< 0,5 µg/l	✓
Antimony	0,479 µg/l	< 3 µg/l	✓
Titan	n.n.	< 1 µg/l	✓
Cadmium	0,110 µg/l	< 0,5 µg/l	✓
Uranium	0,085 µg/l	< 3 µg/l	✓
Beryllium	n.n.	< 0,2 µg/l	✓
Arsenic	0,572 µg/l	< 3 µg/l	✓
Lanthanum	n.n.	< 3 µg/l	✓
Thallium	n.n.	< 0,5 µg/l	✓
Gallium	n.n.	< 2 µg/l	✓
Tellurium	n.n.	< 2 µg/l	✓
Thorium	n.n.	< 0,3 µg/l	✓
Cerium	n.n.	< 0,5 µg/l	✓
Ruthenium	n.n.	< 0,1 µg/l	✓
Neodymium	0,010 µg/l	< 0,1 µg/l	✓
Tungsten	n.n.	< 2 µg/l	✓

## Nutrients

Parameter	Measured Value	Ideal Value	Rating
Phosphate (photometric)	0,125 mg/l	0,03–0,1 mg/l	↗
Nitrate	11,36 mg/l	2–15 mg/l	✓
Nitrite	0,163 mg/l	< 0,3 mg/l	✓
Silicon	114 µg/l	50–250 µg/l	✓

## Osmose

Parameter	Measured Value	Ideal Value	Rating
Copper	n.n.	n.n. µg/l	✓
Zinc	n.n.	n.n. µg/l	✓
Silicon	414 µg/l	n.n. µg/l	↑



No action required

n.n Not found



Need for action

n.b Not measured



Urgent need for action

## Interpretation

Hello!

Please enter the above results into the Reef Moonshiner's ICP Assessment tool for a detailed assessment and dosing instructions, which can be found here under this weblink:

<https://www.reefmoonshiners.com/handbook-tools>

All the best,

Christoph

