



# Analysis Report

Date of Analysis: 19.12.2023  
Analysis No: MSR222379  
Date of Sampling: 03.12.2023 – 11:20

Customer: Baruch Haimov  
Customer ID: 6268  
Tank: reef tank

## Main Parameters

| Parameter       | Measured Value | Ideal Value | Rating |
|-----------------|----------------|-------------|--------|
| Salinity        | 34,3 psu       | 35,0 psu    | ✓      |
| Alkalinity (KH) | 9,70 dKH       | 7,50 dKH    | ↗      |

## Main Elements

| Parameter | Measured Value | Ideal Value | Rating |
|-----------|----------------|-------------|--------|
| Calcium   | 439 mg/l       | 431 mg/l    | ✓      |
| Boron     | 4,3 mg/l       | 4,4 mg/l    | ✓      |
| Bromide   | 67 mg/l        | 65,7 mg/l   | ✓      |
| Chloride  | 18920 mg/l     | 19012 mg/l  | ✓      |
| Potassium | 393 mg/l       | 392 mg/l    | ✓      |
| Magnesium | 1349 mg/l      | 1274 mg/l   | ✓      |
| Sodium    | 11002 mg/l     | 10584 mg/l  | ✓      |
| Strontium | 7,1 mg/l       | 7,8 mg/l    | ✓      |
| Sulfate   | 2983 mg/l      | 2646 mg/l   | ✓      |

## Trace Elements

| Parameter  | Measured Value | Ideal Value   | Rating |
|------------|----------------|---------------|--------|
| Barium     | 28,75 µg/l     | 10–100 µg/l   | ✓      |
| Chromium   | 3,32 µg/l      | 0,2–0,5 µg/l  | ↗      |
| Cobalt     | 0,06 µg/l      | 0,05–0,2 µg/l | ✓      |
| Iron       | 0,36 µg/l      | 0,1–3 µg/l    | ✓      |
| Fluoride   | 0,96 mg/l      | 1,3 mg/l      | ✓      |
| Iodine     | 13,3 µg/l      | 50–70 µg/l    | ↓      |
| Copper     | 0,57 µg/l      | 0,2–2 µg/l    | ✓      |
| Lithium    | 259 µg/l       | 50–150 µg/l   | ↗      |
| Manganese  | 0,51 µg/l      | 0,2–1 µg/l    | ✓      |
| Molybdenum | 7,5 µg/l       | 10–15 µg/l    | ↓      |
| Nickel     | 0,78 µg/l      | 2–5 µg/l      | ↓      |
| Rubidium   | 101,8 µg/l     | 90–150 µg/l   | ✓      |

|          |            |              |   |
|----------|------------|--------------|---|
| Selenium | 0,066 µg/l | 0,2–0,5 µg/l | ⚠ |
| Vanadium | 0,24 µg/l  | 2–3 µg/l     | ⬇ |
| Zinc     | 2,09 µg/l  | 1–3 µg/l     | ✓ |
| Tin      | 0,54 µg/l  | 0,05–1 µg/l  | ✓ |
| Caesium  | 0,88 µg/l  | 0,3–3 µg/l   | ✓ |

## Pollutants

| Parameter | Measured Value | Ideal Value | Rating |
|-----------|----------------|-------------|--------|
| Aluminium | 1,8 µg/l       | < 40 µg/l   | ✓      |
| Bismuth   | n.n.           | < 1 µg/l    | ✓      |
| Lead      | 0,051 µg/l     | < 3 µg/l    | ✓      |
| Mercury   | n.n.           | < 0,5 µg/l  | ✓      |
| Antimony  | 0,144 µg/l     | < 3 µg/l    | ✓      |
| Titan     | n.n.           | < 1 µg/l    | ✓      |
| Cadmium   | 0,027 µg/l     | < 0,5 µg/l  | ✓      |
| Uranium   | 0,114 µg/l     | < 3 µg/l    | ✓      |
| Beryllium | n.n.           | < 0,2 µg/l  | ✓      |
| Arsenic   | 0,279 µg/l     | < 3 µg/l    | ✓      |
| Lanthanum | 1,305 µg/l     | < 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 | n.n.           | < 0,1 µg/l  | ✓      |
| Tungsten  | n.n.           | < 2 µg/l    | ✓      |

## Nutrients

| Parameter               | Measured Value | Ideal Value   | Rating |
|-------------------------|----------------|---------------|--------|
| Phosphate (photometric) | 0,095 mg/l     | 0,03–0,1 mg/l | ✓      |
| Nitrate                 | 3,95 mg/l      | 2–15 mg/l     | ✓      |
| Nitrite                 | 0,115 mg/l     | < 0,3 mg/l    | ✓      |
| Silicon                 | 43 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   | n.n.           | 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

