

# REEF ICP TEST



**Charge:** 21038  
**Produkt / Product:** Professional Sea Salt  
 Produktionsdatum / production date: 23.06.21  
 Methode: 39 g/l Salz in Osmosewasser  $\pm$  35 psu analysiert mit ICP-OES (induktiv-gekoppeltes Plasma mit optischer Emissions-Spektrometrie).  
 Method: 39 g/l salt in osmosis water  $\pm$  35 psu analysed using ICP-OES (inductively coupled plasma with optical emission spectrometry).

| Physikalisch-chemische Grundwerte<br>Basic physical-chemical values |       | gemessen / measured | Referenzbereich / reference range |  |
|---|-------|---------------------|-----------------------------------|--|
| Salinität / Salinity  | psu   | 34,6                | 34,5 - 35,0                       |  |
| Alkalinität / Alkalinity  | ° dKH | 8,3                 | 7,8 - 8,5                         |  |
| pH - Wert / pH - Level  |       | 8,43                | 8,2 - 8,4                         |  |

## Makroelemente, Kalkhaushalt-Elemente und Halogene / Major elements and halogens in mg/liter (1 mg = 0,001 g)

|  |    | gemessen / measured | Referenzbereich / reference range |                |
|--|----|---------------------|-----------------------------------|----------------|
| Natrium / Sodium                         | Na | 10718               | 9500                              | - 11500        |
| Schwefel / Sulphur                       | S  | 938                 | 850                               | - 950          |
| Kalium / Potassium                       | K  | 422                 | 380                               | - 420          |
| Bor / Boron                              | B  | 5,6                 | 3,8                               | - 4,5 - 5,5    |
| Magnesium                                | Mg | 1321                | 1200                              | - 1350 - 1450  |
| Calcium                                  | Ca | 445                 | 400                               | - 425 - 440    |
| Strontium                                | Sr | 7,9                 | 6,5                               | - 8 - 9        |
| Iod / Iodine (Gesamt Iod / Total Iodine) | I  | 0,062               | 0,055                             | - 0,065 - 0,08 |
| Brom / Bromine                           | Br | 65,5                | 55                                | - 67 - 75      |

## Makronährstoffe / Macronutrients in mg/liter (1 mg = 0,001 g)

|                                       |                                    | gemessen / measured | Referenzbereich / reference range |        |
|---------------------------------------|------------------------------------|---------------------|-----------------------------------|--------|
| Phosphor / Phosphorus (ICP-OES)       | P                                  | 0,0021              | < 0,06                            |        |
| Gesamt / Total Phosphate (calculated) | PO <sub>4</sub> <sup>3-</sup> tot. | 0,006               | 0,02                              | - 0,10 |
| Silicium / Silicon (ICP-OES)          | Si                                 | 0,13                | 0,1                               | - 0,2  |

## Physiologisch relevante Spurenstoffe und farbrelevante Mikronährstoffe / Physiologically relevant trace elements and color-relevant micronutrients in µg/liter (1 µg = 0,000001 g)

|                       |    | gemessen / measured | Referenzbereich / reference range |        | Bioavailable                                  |
|-----------------------|----|---------------------|-----------------------------------|--------|---|
| Zink / Zinc           | Zn | 3,09                | 3                                 | - 8    |   |
| Vanadium              | V  | 3,57                | 2                                 | - 10   |   |
| Kupfer / Copper       | Cu | 2,93                | 2                                 | - 6    |   |
| Nickel                | Ni | 3,16                | 3                                 | - 6    |   |
| Mangan / Manganese    | Mn | > 28                | 0,10                              | - 0,25 | Rieselhilfsmittel / Anti-caking agent * 0,015 |
| Molybdän / Molybdenum | Mo | 14,82               | 10                                | - 20   |   |
| Eisen / Iron          | Fe | > 28                | 0,05                              | - 2,5  | Rieselhilfsmittel / Anti-caking agent * 0,03  |
| Chrom / Chrome        | Cr | 1,36                | 0,05                              | - 2,3  |   |
| Cobalt                | Co | 0,42                | 0,02                              | - 1,9  |   |

## Sonstige Spurenelemente und potentielle Schadstoffe / Other trace elements and potentially harmful substances in µg/liter (1 µg = 0,000001 g)

|                       |    | gemessen / measured | Referenzbereich / reference range |       |
|-----------------------|----|---------------------|-----------------------------------|-------|
| Lithium               | Li | 192                 | 180                               | - 350 |
| Barium                | Ba | 41                  | 20                                | - 50  |
| Aluminium             | Al | n.n.                | 5                                 | - 30  |
| Antimon / Antimony    | Sb | n.n.                | < 10                              |       |
| Zinn / Tin            | Sn | n.n.                | < 10                              |       |
| Beryllium             | Be | n.n.                | 0,1                               | - 1,4 |
| Selen / Selenium      | Se | n.n.                | 0,9                               | - 5,5 |
| Silber / Silver       | Ag | n.n.                | < 10                              |       |
| Wolfram / Tungsten    | W  | n.n.                | < 30                              |       |
| Lanthan / Lanthanum   | La | 3,9                 | 2                                 | - 10  |
| Titan / Titanium      | Ti | n.n.                | 0,5                               | - 3,5 |
| Zirkonium / Zirconium | Zr | n.n.                | 1,0                               | - 2,2 |
| Arsen / Arsenic       | As | n.n.                | < 1                               |       |
| Cadmium               | Cd | n.n.                | < 1                               |       |
| Quecksilber / Mercury | Hg | n.n.                | < 1                               |       |
| Blei / Lead           | Pb | n.n.                | < 1                               |       |

\* Rieselhilfsmittel haben keine bioaktive Wirkung, werden durch Abschäumer entfernt / Anti-caking agents have no bioactive effect and are removed by skimmers.

Messwerte vom Typ "> 24" zeigen an, daß die Konzentration oberhalb des kalibrierten Bereiches liegt und sich daher nicht definitiv bestimmen läßt. Angegeben wird in diesen Fällen, wieviel mindestens vorhanden ist (z.B. 24 µg/l). Abkürzungen: n.g. (nicht gemessen), n.n. (nicht nachweisbar).

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).