

# REEF ICP TEST



**Charge:** 23008  
**Produkt / Product:** Professional Sea Salt  
 Produktionsdatum / production date: 24.01.23  
 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   | 34,5                | 34,5 - 35,0                       |  |
| Alkalinität / Alkalinity  | ° dKH | 7,7                 | 7,8 - 8,5                         |  |
| pH - Wert / pH - Level  |       | 8,37                | 8,2 - 8,4                         |  |

| Makroelemente, Kalkhaushalt-Elemente und Halogene / Major elements and halogens<br>in mg/liter (1 mg = 0,001 g) |    |                     |                                   |                 |
|---|----|---------------------|-----------------------------------|-----------------|
|   |    | gemessen / measured | Referenzbereich / reference range |                 |
| Natrium / Sodium  | Na | 10735               | 9500                              | - 10700 - 11500 |
| Schwefel / Sulphur  | S  | 878                 | 850                               | - 900 - 950     |
| Kalium / Potassium  | K  | 425                 | 380                               | - 395 - 420     |
| Bor / Boron   | B  | 6,40                | 3,8                               | - 4,5 - 5,5     |
| Magnesium   | Mg | 1347                | 1200                              | - 1350 - 1450   |
| Calcium   | Ca | 436                 | 400                               | - 425 - 440     |
| Strontium   | Sr | 8,01                | 6,5                               | - 8 - 9         |
| Iod / Iodine (Gesamt Iod / Total Iodine) I  |    | 0,060               | 0,055                             | - 0,065 - 0,08  |
| Brom / Bromine  | Br | 73,6                | 55                                | - 67 - 75       |

| Makronährstoffe / Macronutrients<br>in mg/liter (1 mg = 0,001 g)         |  |                     |                                   |        |
|--|--|---------------------|-----------------------------------|--------|
|  |  | gemessen / measured | Referenzbereich / reference range |        |
| Phosphor / Phosphorus (ICP-OES) P  |  | 0,001               | < 0,06                            |        |
| Gesamt / Total Phosphate (calculated) PO <sub>4</sub> <sup>3-</sup> tot. |  | 0,004               | 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<br>in µg/liter (1 µg = 0,000001 g) |    |                     |                                   |        |   |
|---|----|---------------------|-----------------------------------|--------|---|
|   |    | gemessen / measured | Referenzbereich / reference range |        | Bioavailable                                  |
| Zink / Zinc   | Zn | 6,68                | 3                                 | - 8    |   |
| Vanadium  | V  | 4,71                | 2                                 | - 10   |   |
| Kupfer / Copper   | Cu | 5,00                | 2                                 | - 6    |   |
| Nickel  | Ni | 3,32                | 3                                 | - 6    |   |
| Mangan / Manganese  | Mn | >28                 | 0,10                              | - 0,25 | Rieselhilfsmittel / Anti-caking agent * 0,015 |
| Molybdän / Molybdenum   | Mo | 11,0                | 10                                | - 20   |   |
| Eisen / Iron  | Fe | >28                 | 0,05                              | - 2,5  | Rieselhilfsmittel / Anti-caking agent * 0,03  |
| Chrom / Chrome  | Cr | 0,40                | 0,05                              | - 2,3  |   |
| Cobalt  | Co | 0,30                | 0,02                              | - 1,9  |   |

| Sonstige Spurenelemente und potentielle Schadstoffe / Other trace elements and potentially harmful substances<br>in µg/liter (1 µg = 0,000001 g) |    |                     |                                   |       |
|--|----|---------------------|-----------------------------------|-------|
|  |    | gemessen / measured | Referenzbereich / reference range |       |
| Lithium  | Li | 201                 | 180                               | - 350 |
| Barium   | Ba | 25,7                | 5                                 | - 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 | 3,68                | 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).