

# REEF ICP TEST



Charge: **23477**

Produkt / Product: **Professional Sea Salt**

Produktionsdatum / production date:

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 Basic physical-chemical values

|                          |       | gemessen / measured | Referenzbereich / reference range |
|--------------------------|-------|---------------------|-----------------------------------|
| Salinität / Salinity     | psu   | <b>34,5</b>         | 34,5 - 35,0                       |
| Alkalinität / Alkalinity | ° dKH | <b>8,2</b>          | 7,8 - 8,5                         |
| pH - Wert / pH - Level   |       | <b>8,41</b>         | 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 | <b>10801</b>        | 9500 - 11500                      |
| Schwefel / Sulphur                       | S  | <b>860</b>          | 850 - 950                         |
| Kalium / Potassium                       | K  | <b>424</b>          | 380 - 420                         |
| Bor / Boron                              | B  | <b>6,14</b>         | 3,8 - 5,5                         |
| Magnesium                                | Mg | <b>1294</b>         | 1200 - 1450                       |
| Calcium                                  | Ca | <b>421</b>          | 400 - 440                         |
| Strontium                                | Sr | <b>7,10</b>         | 6,5 - 9                           |
| Iod / Iodine (Gesamt Iod / Total Iodine) | I  | <b>0,060</b>        | 0,055 - 0,08                      |
| Brom / Bromine                           | Br | <b>70,6</b>         | 55 - 75                           |

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

|                                       |                                    | gemessen / measured | Referenzbereich / reference range |
|---------------------------------------|------------------------------------|---------------------|-----------------------------------|
| Phosphor / Phosphorus (ICP-OES)       | P                                  | <b>0,001</b>        | < 0,06                            |
| Gesamt / Total Phosphate (calculated) | PO <sub>4</sub> <sup>3-</sup> tot. | <b>0,004</b>        | - 0,10                            |
| Silicium / Silicon (ICP-OES)          | Si                                 | <b>0,13</b>         | - 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 | <b>3,20</b>         | 3 - 8                             |   |
| Vanadium              | V  | <b>3,05</b>         | 2 - 10                            |   |
| Kupfer / Copper       | Cu | <b>2,60</b>         | 2 - 6                             |   |
| Nickel                | Ni | <b>3,50</b>         | 3 - 6                             |   |
| Mangan / Manganese    | Mn | <b>&gt;50</b>       | 0,10 - 0,25                       | Rieselhilfsmittel / Anti-caking agent * 0,015 |
| Molybdän / Molybdenum | Mo | <b>12,0</b>         | 10 - 20                           |   |
| Eisen / Iron          | Fe | <b>&gt;20</b>       | 0,05 - 2,5                        | Rieselhilfsmittel / Anti-caking agent * 0,03  |
| Chrom / Chrome        | Cr | <b>0,60</b>         | 0,05 - 2,3                        |   |
| Cobalt                | Co | <b>0,50</b>         | 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 | <b>222</b>          | 180 - 350                         |
| Barium                | Ba | <b>9,3</b>          | 5 - 50                            |
| Aluminium             | Al | <b>n.n.</b>         | 5 - 30                            |
| Antimon / Antimony    | Sb | <b>n.n.</b>         | < 10                              |
| Zinn / Tin            | Sn | <b>n.n.</b>         | < 10                              |
| Beryllium             | Be | <b>n.n.</b>         | 0,1 - 1,4                         |
| Selen / Selenium      | Se | <b>n.n.</b>         | 0,9 - 5,5                         |
| Silber / Silver       | Ag | <b>n.n.</b>         | < 10                              |
| Wolfram / Tungsten    | W  | <b>n.n.</b>         | < 30                              |
| Lanthan / Lanthanum   | La | <b>3,50</b>         | 2 - 10                            |
| Titan / Titanium      | Ti | <b>n.n.</b>         | 0,5 - 3,5                         |
| Zirkonium / Zirconium | Zr | <b>n.n.</b>         | 1,0 - 2,2                         |
| Arsen / Arsenic       | As | <b>n.n.</b>         | < 1                               |
| Cadmium               | Cd | <b>n.n.</b>         | < 1                               |
| Quecksilber / Mercury | Hg | <b>n.n.</b>         | < 1                               |
| Blei / Lead           | Pb | <b>n.n.</b>         | < 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).