

REEF ICP TEST



Charge: 23457
Produkt / Product: Professional Sea Salt
 Produktionsdatum / production date: 20.03.23
 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 Basic physical-chemical values | | gemessen / measured | Referenzbereich / reference range | |
|---|-------|---------------------|-----------------------------------|--|
| Salinität / Salinity | psu | 34,7 | 34,5 - 35,0 | |
| Alkalinität / Alkalinity | ° dKH | 7,8 | 7,8 - 8,5 | |
| pH - Wert / pH - Level | | 8,23 | 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 | 10954 | 9500 | - 10700 - 11500 |
| Schwefel / Sulphur | S | 879 | 850 | - 900 - 950 |
| Kalium / Potassium | K | 417 | 380 | - 395 - 420 |
| Bor / Boron | B | 6,40 | 3,8 | - 4,5 - 5,5 |
| Magnesium | Mg | 1286 | 1200 | - 1350 - 1450 |
| Calcium | Ca | 420 | 400 | - 425 - 440 |
| Strontium | Sr | 7,82 | 6,5 | - 8 - 9 |
| Iod / Iodine (Gesamt Iod / Total Iodine) I | | 0,060 | 0,055 | - 0,065 - 0,08 |
| Brom / Bromine | Br | 67,2 | 55 | - 67 - 75 |

| Makronährstoffe / Macronutrients 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 ₄ ³⁻ tot. | | 0,003 | 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 | 3,37 | 3 | - 8 | |
| Vanadium | V | 3,83 | 2 | - 10 | |
| Kupfer / Copper | Cu | 2,94 | 2 | - 6 | |
| Nickel | Ni | 3,10 | 3 | - 6 | |
| Mangan / Manganese | Mn | >28 | 0,10 | - 0,25 | Rieselhilfsmittel / Anti-caking agent * 0,015 |
| Molybdän / Molybdenum | Mo | 10,0 | 10 | - 20 | |
| Eisen / Iron | Fe | >28 | 0,05 | - 2,5 | Rieselhilfsmittel / Anti-caking agent * 0,03 |
| Chrom / Chrome | Cr | 0,30 | 0,05 | - 2,3 | |
| Cobalt | Co | 0,50 | 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 | 190 | 180 | - 350 |
| Barium | Ba | 9,6 | 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 | 3,50 | 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).