

PROFESSIONAL SEA SALT QUALITY CHECK



Produkt / product: Professional Sea Salt

Charge / Batch: 26853

Konzentration / concentration:

Lösung aus 39 g/l in qualitätsgeprüftem Osmosewasser / solution of 39 g/l in quality checked osmosis water.

Methodik / method:

ICP-OES, photometrische und elektrochemische Verfahren spezifisch für Meerwasser / ICP-OES, photometric and electrochemical methods specific to seawater.

PHYSIKALISCH-CHEMISCHE GRUNDWERTE / BASIC PHYSICAL-CHEMICAL VALUES

| | | Gemessen / measured | Toleranzbereich / tolerance range |
|--------------------------|------|---------------------|-----------------------------------|
| Alkalinität / alkalinity | °dKH | 7,8 | 7,8 - 8,2 |
| pH-Wert / pH value | - | 8,3 | 8,1 - 8,4 |

MAKROELEMENTE UND HALOGENE / MAJOR ELEMENTS AND HALOGENS in mg/l

| | | Gemessen / measured | Toleranzbereich / tolerance range |
|-----------------------------|-------------------------------|---------------------|-----------------------------------|
| Natrium / sodium | Na | 10700 | 10300 - 10700 |
| Schwefel / sulphur | S | 890 | 880 - 920 |
| Sulfat / sulphate | SO ₄ ²⁻ | 2661 | 2650 - 2750 |
| Kalium / potassium | K | 400 | 380 - 400 |
| Bor / boron | B | 5,8 | 5,6 - 6,2 |
| Magnesium / magnesium | Mg | 1278 | 1250 - 1300 |
| Calcium / calcium | Ca | 416 | 410 - 430 |
| Strontium / strontium | Sr | 7,7 | 7,5 - 9,0 |
| Brom / bromine ¹ | Br | 68 | 66 - 74 |
| Fluorid / fluoride | F ⁻ | 1,33 | 1,2 - 1,5 |
| Iod / iodine ² | I | 0,070 | 0,065 - 0,080 |

MAKRONÄHRSTOFFE / MACRONUTRIENTS in mg/l

| | | Gemessen / measured | Toleranzbereich / tolerance range |
|------------------------------------|---|---------------------|-----------------------------------|
| Nitrat / nitrate | NO ₃ ⁻ | 0,20 | n.n. - 0,3 |
| Nitrit / nitrite | NO ₂ ⁻ | 0,01 | n.n. - 0,01 |
| Phosphor / phosphorus ³ | P | 0,003 | n.n. - 0,008 |
| Gesamtphosphat / total phosphate | PO ₄ ³⁻ _{tot.} | 0,009 | n.n. - 0,025 |
| Silizium / silicon | Si | 0,13 | 0,10 - 0,20 |

RELEVANTE SPURENELEMENTE / RELEVANT TRACE ELEMENTS in µg/l

| | | Gemessen / measured | Toleranzbereich / tolerance range |
|-----------------------|----|---------------------|--|
| Zink / zinc | Zn | 3,2 | 3 - 5 |
| Vanadium / vanadium | V | 2,3 | 2 - 5 |
| Kupfer / copper | Cu | 2,5 | 2 - 5 |
| Nickel / nickel | Ni | 3,1 | 2 - 4 |
| Molybdän / molybdenum | Mo | 11,9 | 10 - 16 |
| Barium / barium | Ba | 18,0 | 10 - 20 |
| Cobalt / cobalt | Co | n.n. | n.n. - 2 |
| Chrom / chromium | Cr | n.n. | n.n. - 2 |
| Eisen / iron | Fe | > 20 | Rieselhilfsmittel / anti-caking agent ⁴ |
| Lithium / lithium | Li | 198 | 180 - 210 |
| Mangan / manganese | Mn | > 50 | Rieselhilfsmittel / anti-caking agent ⁴ |
| Selen / selenium | Se | n.n. | n.n. - 2 |

SONSTIGE SPURENELEMENTE / OTHER TRACE ELEMENTS in µg/l

| | | Gemessen / measured | Toleranzbereich / tolerance range |
|-----------------------|----|---------------------|-----------------------------------|
| Aluminium / aluminium | Al | n.n. | n.n. - 2 |
| Antimon / antimony | Sb | n.n. | n.n. |
| Arsen / arsenic | As | n.n. | n.n. |
| Beryllium / beryllium | Be | n.n. | n.n. |
| Blei / lead | Pb | n.n. | n.n. |
| Cadmium / cadmium | Cd | n.n. | n.n. |
| Lanthan / lanthanum | La | 3,6 | 2 - 5 |
| Quecksilber / mercury | Hg | n.n. | n.n. |
| Silber / silver | Ag | n.n. | n.n. |
| Titan / titanium | Ti | n.n. | n.n. |
| Wolfram / tungsten | W | n.n. | n.n. |
| Zinn / tin | Sn | n.n. | n.n. |
| Zirkonium / zirconium | Zr | n.n. | n.n. |

Bemerkungen / notes

1 Gesamtbrom, bestimmt mittels ICP-OES / total bromine, measured using ICP-OES

2 Gesamtiod, bestimmt mittels ICP-OES / total iodine, measured using ICP-OES

3 Gesamtposphor, bestimmt mittels ICP-OES / total phosphorus, measured using ICP-OES

4 Rieselhilfsmittel haben keine bioaktive Wirkung und werden durch Abschäumer entfernt / anti-caking agents have no bioactive effect and are removed by skimmers.

Abkürzungen / Abbreviations:

n.n. (nicht nachweisbar) / n.n. (not detectable)

ICP-OES (induktiv gekoppeltes Plasma mit optischer Emissionsspektrometrie) / ICP-OES (inductively coupled plasma optical emission spectrometry).