

Sea salt - Certified Reference Materials for Nutrients

| | |
|-----------------|-----------------------------------|
| Art. ID | NRC-SALT-1 |
| Unit | 4,1 g |
| Deliverydetails | No Dangerous Good /not restricted |

Description

NRC-SALT-1 is an artificial sea salt Certified Reference Material (CRM) to be used as a proxy for seawater. The SALT-1 reconstituted solution can be used for calibration, method development, validation and quality control for the analysis of nutrients in seawater, similar to the NRC-MOOS-3.

| Text/Information | Analyte/Parameter | CAS number | Concentration/Value | Unit | Method | Source |
|--|--|------------|---------------------|--------|--------|--------|
| Amount concentration (in the 100 mL solution) | Phosphate (PO ₄ ³⁻) | | 1,615 ± 0,030 | µmol/L | | |
| Mass concentration (in the 100 mL solution) | Phosphate (PO ₄ ³⁻) | | 0,1534 ± 0,0029 | mg/L | | |
| silicate as SiO ₂ / Amount concentration (in the 100 mL solution) | Silicate (SiO ₂) | | 8,89 ± 0,31 | µmol/L | | |
| silicate as SiO ₂ / Mass concentration (in the 100 mL solution) | Silicate (SiO ₂) | | 0,534 ± 0,0019 | mg/L | | |
| Amount concentration (in the 100 mL solution) | Nitrate (NO ₃ ⁻) | | 18,98 ± 0,045 | µmol/L | | |
| Mass concentration (in the 100 mL solution) | Nitrate (NO ₃ ⁻) | | 1,177 ± 0,028 | mg/L | | |