

Identification

NaCl
M = 58,44 g/mol
CAS [7647-14-5]
EC number: 231-598-3
Taric code: 2501 00 31

Synonyms

Salt, Common salt, Rock salt, Sea salt

Specifications

assay (on dried sample).....min. 99,0 %
insoluble in water.....max. 0,005 %
pH (5 %, H₂O, 25 °C).....5,0 - 9,0
bromides (Br).....max. 0,01 %
chlorates and nitrates (as NO₃).....max. 0,003 %
iodides (I).....max. 0,002 %
phosphates (as PO₄).....max. 5 ppm
sulfates (SO₄).....max. 0,004 %

barium (Ba).....passes test
calcium (Ca).....max. 0,002 %
heavy metals.....max. 5 ppm
iron (Fe).....max. 2 ppm
magnesium (Mg).....max. 0,001 %
potassium (K).....max. 0,005 %

This standard solution is traceable to Standard Reference Material from NIST.

Physical data

- Spec. Density: 2,17 g/cm³
- Bulk density: ~ 1140 kg/m³
- Solub. in water: (20 °C): 358 g/l
- Melting point: 801 °C
- Boiling point: 1461 °C
- Vapour pressure: (865 °C) 1,3 hPa
- pH(100 g/l H₂O, 20 °C) ~ 4,5 - 7,0

Transport/storage

- 10°C - 30°C