

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 %	sulfates (SO ₄).....	max. 0,004 %
insoluble in water.....	max. 0,005 %	barium (Ba).....	passes test
pH (5 %, H ₂ O, 25 °C).....	5,0 - 9,0	calcium (Ca).....	max. 0,002 %
bromides (Br).....	max. 0,01 %	heavy metals.....	max. 5 ppm
chlorates and nitrates (as NO ₃).....	max. 0,003 %	iron (Fe).....	max. 2 ppm
iodides (I).....	max. 0,002 %	magnesium (Mg).....	max. 0,001 %
phosphates (as PO ₄).....	max. 5 ppm	potassium (K).....	max. 0,005 %

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

Toxicological data

- LD 50 (oral, rat): 3000 mg/kg
- WGK: 1
- Poison class CH (Swiss): F