

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

Applications

analytical chemistry, laboratory reagent, to make sodium salts, in food industry, for decreasing the melting point of water.

Specifications

assay (argentometric).....	min. 99 %	bromides (Br).....	max. 0,1 %
identity (IR-spectrum).....	passes test	sulfates (SO ₄).....	max. 0,1 %
insoluble in water.....	max. 0,1 %	ammonium (NH ₄).....	max. 0,1 %
acidity (as HCl).....	max. 0,05 %	potassium (K).....	max. 0,2 %

Physical data

- Appearance: crystals, colourless or white
- 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