

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, in pharma industry.

Specifications

assay (argentometric, on dried sample)	99,0 - 100,5 %	ferrocyanide (Fe(CN) ₆).....	passes test
Identification sodium.....	passes test	phosphates (as PO ₄).....	max. 25 ppm
Identification chloride.....	passes test	sulfates (SO ₄).....	max. 200 ppm
appearance of solution.....	clear and colourless	arsenic (As).....	max. 1 ppm
acidity or alkalinity.....	passes test	barium (Ba).....	passes test
bromides (Br).....	max. 100 ppm	iron (Fe).....	max. 2 ppm
iodides (I).....	passes test	magnesium and alkaline-earth metals (as Ca)...	max. 100 ppm
nitrites (absorbance of an aqueous solution 10% at 354 nm)		loss on drying (105 °C, 2 h).....	max. 0,5 %
max. 0,01 AU			

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