

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. 99,5 %	total nitrogen (as N).....	max. 0,0005 %
identity.....	passes test	arsenic (As).....	max. 0,00004 %
appearance of solution.....	passes test	barium (Ba).....	max. 0,001 %
insoluble in water.....	max. 0,005 %	calcium (Ca).....	max. 0,002 %
pH (5 %, H ₂ O).....	5,0 - 8,0	copper (Cu).....	max. 0,0002 %
acidity or alkalinity.....	passes test	heavy metals (as Pb).....	max. 0,0005 %
bromides (Br).....	max. 0,005 %	iron (Fe).....	max. 0,0001 %
chlorates and nitrates (as NO ₃).....	max. 0,003 %	magnesium (Mg).....	max. 0,001 %
ferricyanide.....	passes test	nickel (Ni).....	max. 0,0005 %
ferricyanide (Fe(CN) ₆).....	max. 0,0001 %	potassium (K).....	max. 0,005 %
iodides (I).....	max. 0,001 %	loss on drying (105 °C, 2 h).....	max. 0,5 %
phosphates (as PO ₄).....	max. 0,0005 %		
sulfates (SO ₄)	max. 0,001 %		

Packaging**Packaging Code**

500 g  SO02270500
1 kg  SO02271000
5 kg  SO0227005P
25 kg  SO0227025P

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

Toxicological data

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