

**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 %	aluminium (Al).....	max. 0,00002 %
identification.....	passes test	arsenic (As).....	max. 0,0001 %
appearance of solution.....	clear and colourless	barium (Ba).....	passes test
acidity or alkalinity.....	passes test	heavy metals (as Pb).....	max. 0,0005 %
bromides (Br).....	max. 0,01 %	iron (Fe).....	max. 0,0002 %
iodides (I).....	passes test	magnesium and alkaline-earth metals (as Ca) .....	max. 0,01 %
nitrites (absorbance of an aqueous solution 10% at 354 nm).....	max. 0,01 AU	loss on drying (105 °C, 2 h).....	max. 0,5 %
ferrocyanide (Fe(CN) <sub>6</sub> ).....	passes test	Residual solvents are analysed according to guideline CPMP/ICH/283/95.	
phosphates (as PO <sub>4</sub> ).....	max. 0,0025 %		
sulfates (SO <sub>4</sub> ) .....	max. 0,02 %		

**Packaging****Packaging Code**

500 g  SO02250500  
1 kg  SO02251000  
5 kg  SO0225005P  
25 kg  SO0225025P

**Physical data**

- Appearance: crystals, colourless or white
- Spec. Density: 2,17 g/cm<sup>3</sup>
- Bulk density: ~ 1140 kg/m<sup>3</sup>
- 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 H<sub>2</sub>O, 20 °C) ~ 4,5 - 7,0

**Toxicological data**

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