

Identification

NaHCO₃
M = 84,01 g/mol
CAS [144-55-8]
EC number: 205-633-8
Taric code: 2836 30 00

Synonyms

Sodium bicarbonate





Applications

analytical chemistry, laboratory reagent, to make sodium salts, for laboratory glassware cleaning, source of CO₂, in fire extinguishers, in food industry (E-500), in pharma industry.

Specifications

assay (acidimetric, on dried sample).....	99,0 - 100,5 %	calcium (Ca).....	max. 0,01 %
identification.....	passes test	copper (Cu).....	max. 0,0001 %
appearance of solution.....	clear and colourless	heavy metals (as Pb).....	max. 0,001 %
insoluble matter.....	passes test	iron (Fe).....	max. 0,002 %
normal carbonate.....	passes test	magnesium (Mg).....	max. 0,004 %
chlorides (Cl).....	max. 0,015 %	organic impurities	max. 0,01 %
sulfates (SO ₄)	max. 0,015 %	loss on drying (silica gel).....	max. 0,25 %
ammonium (NH ₄).....	max. 0,002 %	Residual solvents are analysed	
aluminium (Al).....	max. 0,0002 %	according to guideline	
arsenic (As).....	max. 0,0002 %	CPMP/ICH/283/95.	

Packaging**Packaging Code**

500 g  SO01290500
1 kg  SO01291000
5 kg  SO0129005P
25 kg  SO0129025P

Physical data

- Appearance: crystals or powder, white
- Spec. Density: 2,22 g/cm³
- Bulk density: ~ 1000 kg/m³
- Solub. in water: (20 °C): 95,5 g/l
- Melting point: 270 °C (decomposes)
- Vapour pressure: (30 °C) 8,3 hPa
- pH(50 g/l H₂O, 20 °C) ~ 8,6

Toxicological data

- LD 50 (oral, rat): 4220 mg/kg
- WGK: 1
- Poison class CH (Swiss): 5