

**Sodium hydrogen carbonate, HPLC grade****Identification**

NaHCO<sub>3</sub>  
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 CO<sub>2</sub>, in fire extinguishers, in food industry (E-500).

**Specifications**

assay (acidimetric).....	min. 99,5 %	max. absorbance of an aqueous sol.	
identity (IR-spectrum).....	passes test	10 % in a 1,0 cm cell at	
insoluble matter.....	passes test	wavelength:	absorbance:
		240 nm.....	0,1 AU
		250 nm.....	0,04 AU
		260 nm.....	0,02 AU
		280 nm.....	0,01 AU

**Packaging****Packaging Code**

250 g □ SO01300250

**Physical data**

- Appearance: crystals or powder, white
- Spec. Density: 2,22 g/cm<sup>3</sup>
- Bulk density: ~ 1000 kg/m<sup>3</sup>
- 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 H<sub>2</sub>O, 20 °C) ~ 8,6

**Toxicological data**

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