

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

**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

**Transport/storage**

- 10°C - 30°C