



SODIUM BICARBONATE

FOOD GRADE
(BAKING SODA)

CAS №144-55-8

IUPAC NAME SODIUM HYDROGEN CARBONATE

Technical properties:

Parameter	Unit	Value
Appearance	-	White crystalline powder or colorless crystals
Smell	-	Odorless
pH of water solution with mass fraction 1%	pH unit	8.0 to 8.6 inclusive
Mass fraction of ammonium salts in terms of NH ₄ ⁺ , not more than	%	0.001
Insoluble matter in water tests	Passes the tests according to GOST 32802-2014	
Arsenic, As, not more than	mg/kg	3.0
Lead, Pb, not more than	mg/kg	5.0
Mercury, Hg, not more than	mg/kg	1.0
Mass fraction of Sodium Bicarbonate, NaHCO ₃ , not less than	%	99.3
Mass fraction of Sodium Carbonate, Na ₂ CO ₃ , not more than	%	0.7
Mass fraction of Chlorides calculated as NaCl, not more than	%	0.04
Mass fraction of Iron (Fe), not more than	%	0.005
Mass fraction of Calcium (Ca), not more than	%	0.05
Mass fraction of Sulfates calculated as SO ₄ ²⁻ , not more than	%	0.02
Mass fraction of moisture, not more than	%	0.2

Application

Food industry – in bread baking, confectionary, making beverages as a pH control agent, anticaking agent and food leavening agent.

About 50 % of sodium bicarbonate is used for household purposes: as leaven for home baking and confectionary products, as detergents, for medical purposes (expectorants, heartburn remedies) and many other purposes.

Packing

Sodium bicarbonate is packed in 25 kg polypropylene bags, four-layer 25 kg paper bags, one-time use special big bag containers (4 sling) with a maximum mass of 1-1.2 ton.

Product intended for retail is packaged in consumer packaging – 500 g cardboard packs.

Sodium bicarbonate is stored in the manufacturer's packaging in dry heated storage rooms on wooden shelves or pallets at a temperature of 10°C to 30°C, relative humidity of 70%.

Transportation

Sodium bicarbonate can be transported by all types of transport (except aviation) in covered vehicles in accordance with Goods Transport Rules applicable for this vehicle type.

Guaranteed shelf life

Recommended shelf life of sodium bicarbonate is 24 months (GOST 32802-2014) from the manufacture date. No expiry date when stored according to requirements.

Certification

Product safety is confirmed by the Safety Data Sheet, State Registration Certificate of Sodium Bicarbonate as food additive E-500ii and HACCP Certificate.

Sodium bicarbonate is registered in accordance with requirements of EC REACH regulations, registration number 01-2119457606-32-0019.