

[NaHCO₃]

SODIUM BICARBONATE (BAKING SODA)

GOST 2156-76

Sodium bicarbonate (baking soda) is a crystalline odourless white powder. Chemical formula – NaHCO₃. The product is certified.

Chemical & physical properties:

Items	Grade 1	Grade 2
Mass fraction of sodium bicarbonate, %, no less than	99.5	99.0
Mass fraction of sodium carbonate, %, no more than	0.4	0.7
Mass fraction of chlorides in terms of NaCl, %, no more than	0.02	0.04
Mass fraction of arsenic (As)	Passes the test acc. to 3.7.	
Mass fraction of substances insoluble in water, %, no more than	Passes the test acc. to 3.8.	
Mass fraction of iron (Fe), %, no more than	0.001	0.005
Mass fraction of calcium (Ca), %, no more than	0.04	0.05
Mass fraction of sulphates in terms of SO ₄ ²⁻ , %, no more than	0.02	0.02
Mass fraction of moisture, %, no more than	0.1	0.2

Note:

Mass fraction of calcium in the product designed for pharmaceutical industry should be 0.02% max and ammonium salts in terms of NH₄⁺ — 0.001% max.

When the product is used in food and pharmaceutical industries mass fraction of heavy metals in terms of Pb²⁺ should be 0.0005% max.

Packing:

Sodium bicarbonate is packed in polypropylene bags 25 kg and in big bags up to 1 ton. The product for retail trade is packed in consumer containers — 500g cartons.

Delivery method:

Sodium bicarbonate is transported by all modes of transportation (except aviation) in the covered means of transport according to the Shipping Regulations valid for corresponding kind of transport.

Storage:

Guaranteed shelf life for sodium bicarbonate is 12 months from the date of manufacture.

No ultimate expiry date is defined.

Applications:

In food industry — in bakery, confectionery, beverage making. In chemical industry — for the dyes manufacturing, foam plastics and other organic products, fluorinated chemicals, household chemicals, fillers for fire extinguishers.

In light industry — for the production of plantar rubber and artificial leather, in leather industry (tanning hides and hides neutralization), in textile industry (finishing of silk and cotton fabrics).