

Technical Data Sheet



Product Name : **Sodium Bicarbonate**
CAS Number : 144-55-8
Appearance : White crystalline powder or colorless crystals
Molecular Formula : NaHCO_3

Item	Standard
Characters Appearance	White crystalline powder or colorless crystals
Smell	Odorless
Mass fraction of Sodium Bicarbonate, not less than	99.3%
Mass fraction of Sodium Carbonate, not more than	0.7%
pH of water solution with mass fraction 1%	8.0 - 8.6
Mass fraction of ammonium salts in terms of NH_4^+ , not more than	0.001%
Arsenic, As, not more than	2.0 mg/kg
Lead, Pb, not more than	10.0 mg/kg
Mercury, Hg, not more than	0.1 mg/kg
Cadmium, Cd, not more than	2.0 mg/kg
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 , not more than	0.02%
Mass fraction of moisture, not more than	0.2%
Fluorine, F, not more than	150 mg/kg
Mass fraction of Sodium, Na	27.2%
Mass fraction of substances insoluble in HCl, not more than	10%

Application:

Feed Industry – In production of feed for all animal species (cattle, pig, poultry), as an anticaking agent, pH control agent and leavening agent.

Package & Quantity:

Sodium Bicarbonate is packed in 25 Kg polypropylene bags, four layer 25 Kg bags with polyethylene liner and in one-time use special big bags (4 sling) of 1000 Kg.

Storage:

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%.

Shelf life:

Recommended shelf life of Sodium Bicarbonate is 24 months from the date of manufacture. No expiry date when stored according to requirements.

Certification:

Product safety is confirmed by the Safety Data Sheet, Feed Materials Assurance Scheme (FEMAS) Certificate. Sodium Bicarbonate is registered in accordance with requirements of EC RRAECH regulations, registration number 01-2119457606-32-0019.