

Sodium nitrate NaNO_3



Sodium nitrate

Molecular formula: NaNO_3

Executive standard: GB / t4553-2002

Sodium nitrate is an inorganic substance with the chemical formula of NaNO_3 . Molecular weight 84.99. Hygroscopic colorless transparent triangular crystal. Decompose when heated to $380\text{ }^\circ\text{C}$. It is very soluble in water and liquid ammonia, soluble in methanol and ethanol, very slightly soluble in acetone and slightly soluble in glycerol. When dissolved in water, it absorbs heat, the solution becomes cold, and the aqueous solution is neutral. It is obtained by absorbing nitrogen oxides from industrial alkali solution, evaporation and crystallization. It is used to make nitric acid and sodium nitrite, as ingredients in glass, match, enamel or ceramic industry, fertilizer, catalyst in sulfuric acid industry, etc.

Name of index	Unit	Grade	Reed switches
Sodium nitrite (NaNO_3) content%(dry basis)	$\% \geq$	99.3	98.5
Water	$\% \leq$	1.5	2

Water insoluble matter	% ≤	0.06	
NaNO ₃ (dry base)	% ≤	0.02	0.15

Application

Cigarette industry and construction industry:

In the tobacco industry, it can be used as a combustion promoter to improve its work efficiency, and in the current pharmaceutical industry, it can also be used as a culture medium of penicillin. In the construction industry, especially in the concrete processing process, it can be used as an admixture. Proper use can effectively improve its strength and effectively prevent the corrosion of reinforcement.

Prevent food deterioration and rust:

Firstly, in the food industry, it can be used as the chromogenic agent of meat processing products. Appropriate addition can not only play the role of body color, but also effectively flavor and prevent the rapid deterioration of meat. In addition, in the current daily necessities, the appropriate use of sodium nitrate can also effectively prevent or eliminate the impurities in steel raw materials, so as to effectively improve the possibility of preventing rust to a certain extent. In addition, reducing the concentration of sodium nitrate liquid can not only reduce the content of ferric chloride, but also effectively solve the problem of acid pickling quality of iron and steel products to a certain extent.

Glass industry:

When the manufacturer makes glass, some bubbles will appear, and the clarifier is used to reduce these bubbles. The commonly used clarifier is nitrated salt, namely sodium nitrate. As a decolorizing agent, sodium nitrate is mainly used to eliminate the unwanted color brought by impurities in raw materials to make the glass colorless and transparent. In fact, the use of sodium nitrate is very broad. It has been widely used in our industrial production and every corner of residents' life.



Packing,Storage,Handling and Transportation

Packing: outer woven bag, lined with plastic bag, net weight 25/50kg. We can also customize the packaging according to the customer's requirements (on the basis of a large amount of goods)

Protective measures: production personnel shall wear work clothes, rubber gloves and masks to prevent inhalation of sodium nitrate dust and protect respiratory organs.

Storage and transportation: the goods shall be sealed and stored in a cool and dry warehouse.

The package must be sealed and moisture-proof. Protect from rain and sunlight.



