

SODIUM GLUCONATE



Sodium gluconate is chemically sodium salt of gluconic acid. Sodium Gluconate is produced by fermentation of process of glucose using fungal reaction converting glucose into gluconic acid and then subsequently reaction with Sodium Hydroxide. The appearance of Sodium gluconate is white crystalline powder completely soluble in water. The sodium gluconate salt is safe, non-toxic, non corrosive and readily biodegradable.

The application of sodium gluconate are numerous from chemical admixture, it can be widely used in many different fields, such as in concrete, textile, oil drilling, soap, cosmetics, toothpaste, etc.

Typical Properties

Product NameSodium Gluconate
CAS No.....527-07-1
HS Code.....29181690
EINECS.....Not available
Molecular Weight.....218.14
Molecular FormulaC6H11NaO7

Appearance..... White crystalline
Purity %..... 99 Min
Loss on drying %.....0.50 Max
Sulfate (SO42-) %..... 0.05 Max
Chloride (Cl) %0.07 Max
Arsenic.....2 ppm max
Heavy metals (Pb) ppm 10 Max
Reduzate (D-glucose) % 0.7 Max
PH (10% water solution) 6.2~7.5
Arsenic salt(As) ppm..... 2max
pH: 6.5~7.3
Solubility: soluble in water 590 g/l @ 25C

Food Applications

Sodium gluconate acts as a stabilizer, a sequestrant and a thickener when used as a food additive (E576). It is approved by CODEX for use in dairy products, processed fruit, vegetables, herbs and spices, cereals, processed meats, preserved fish etc.

Personal care Applications

Sodium gluconate is used as a chelating agent to form complexes with metal ions which can influence the stability and appearance of cosmetic products. Gluconates are added to cleansers and shampoos to increase the lather by sequestering hard water ions. Gluconates are also used in oral and dental care products such as toothpaste where it is used to sequester calcium and helps to prevent gingivitis.

Packaging

25 Kg BOPP Laminated Bags on Pallet
2200 Pound FIBC Jumbo bag on Pallet



Available packaging

25 kg/BOPP Printed Bag,25tons in 20'FCL without pallets
25 Kg/BOPP Printed Bag.....20 tons in 20: FCL with pallets
1000kg/Jumbo bag on Pallet..... 20MT in 20'FCL;
1150kg/Jumbo bag on pallet..... 23MT in 20'FCL;

Shelf life

3 years in covered area

NOTE: Although the data supplied above is believed to be accurate, each user is advised to make an independent determination as to whether the described product is appropriate for a particular use or application, whether such use will comply with all applicable laws or regulations, and whether such use will infringe the intellectual property rights of third parties.