

# Sodium Gluconate MNC-BS

ASTM C 494, Type B

Retarding Admixtures



### Description

Sodium Gluconate is suitable to apply in high temperature season, long distance transportation, and pump concrete; also appropriate for mass concrete, self-leveling concrete and high strength high performance concrete, etc.

### Properties

- ◆ High workability, no segregation, no water bleeding.
- ◆ Improve the concrete breaking strength, tensile strength, elastic modulus and adhesiveness to the steel bar.
- ◆ Improve concrete durability performance, such as anti-seepage, anti-freezing and anti-carbonization.
- ◆ Avoiding cement initial hydration, extending cement and concrete setting and retaining time.
- ◆ Non-toxicity, non-inflammable, non-corrosion to the steel bar.

### Application range

- ◆ MNC-BS can be application as a retarding component for producing retarding and high range water reducer, increase workability between Naphthalene Superplasticizer and cement.
- ◆ MNC-BS was widely applied in concrete which requiring extend concrete setting time, avoid concrete cold joint application, suitable for long time and long distance transportation, available for mould concrete and mass casting concrete.
- ◆ Compatible with Naphthalene Superplasticizer, Amino Sulfuric Acid Superplasticizer and Air-entraining Agent.

### Technical Specifications

Apply to GB8076-2008

Items	Required Parameter Value in the Standard	Test result of our product
Visual Appearance	White or yellowish crystal powder	White or yellowish crystal powder
Loss on drying (%)	< 0.5	0.26
Purity (%)	98.0 - 102.0	99.21
Reducing Substances (%)	< 0.7	0.34
Heavy Metal (Pb), ug/g	< 10	< 10
Sulfate, %	< 0.05	< 0.05
Chloride, %	< 0.07	< 0.07
Lead, ug/g	< 2	< 2
Arsenic, ug/g	< 2	< 2
pH Value	6.2-7.8	6.80

### Package, Storage & Handling

- ◆ Sodium Gluconate packed in fabric bag with plastic liner. Net weight: 25kg +/- 0.13 kg.
- ◆ Cautions should be taken to avoid moisture and water while being delivered or stored, since MNC-BS is soluble in water.
- ◆ It should be stored in a dedicated warehouse that is well-ventilated and dry.

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