

SODIUM GLUCONATE



CAS Number: 527-07-1

Other Names: Gluconic acid sodium salt; Monosodium gluconate; Glonsen

Formula: $C_6H_{11}NaO_7$

PRODUCT INTRODUCTION

Sodium gluconate is the sodium salt of gluconic acid, produced by fermentation of glucose. It is a white to tan, granular to fine, crystalline powder, very soluble in water. It is non corrosive, non-toxic and readily biodegradable. Sodium gluconate is majorly used as chelating agent.

PHYSICAL AND CHEMICAL PROPERTIES

Appearance	White or Light Yellow Crystalline Powder Particles
Solution (1.0g/10mL water)	Colorless or slightly yellow, Almost Clarification
Odor	Inherent Special Smell, No odor
Identify	Conform
Content %	99.9
Loss on Drying	0.15
Clarity Test	Conform
pH	7.08
Heavy Metals (mg/Kg)	< 10
Pb (mg/Kg)	< 1.0
Arsenic (mg/Kg)	< 1.0
Reducing Sugar (%)	0.27
Sulfate (%)	< 0.02
Whiteness (%)	> 80
Chloride (%)	< 0.02

APPLICATIONS

- The outstanding property of sodium gluconate is its excellent chelating power, especially in alkaline and concentrated alkaline solutions. It forms stable chelates with calcium, iron, copper, aluminium and other heavy metals, and in this respect, it surpasses all other chelating agents, such as EDTA, NTA and related compounds.
 - Sodium gluconate is also a highly efficient set retarder and a good plasticiser / water reducer for concrete, mortar and gypsum.
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PACKAGING OPTIONS

Drums

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