



# Dalian Eastland International Trading Co.,Ltd

## *Sodium Gluconate*

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## *About us*



DI-EASTLAND is a professional manufacturer focusing on the research and development, sales and service of concrete admixtures.

Now in China has a long-term and stable cooperative relationship with many customers, sales and service network covers the whole country, gradually sold to Europe, America, Southeast Asia, the Middle East and other countries.



# WHAT IS SODIUM GLUCONATE?

Sodium gluconate is a kind of sodium polyhydroxy carboxylic acid, which is also known as sodium hydroxy caproate, which is white or light yellow crystalline granule or powder, easily soluble in water, slightly soluble in alcohol, and insoluble in ether.

The product has good effect of retardation and excellent flavor, and is widely used in construction, washing, food and medicine industry.

## CERTIFICATE OF ANALYSIS

ORIGINAL

Product: SODIUM GLUCONATE (TECH GRADE)  
Batch No.: FY20220223  
Package: 25KGS/BAG

Quantity:  
Manuf. Date: 2022.02.23  
Expiry Date: 2024.02.22

Item	Standard	Results
Description	White crystalline powder	Meets the requirements
Heavy metals (mg/kg)	≤5	<2
Lead(mg/kg)	≤1	<1
Arsenic(mg/kg)	≤1	<1
Chloride	≤0.07%	<0.05%
Sulphate	≤0.05%	<0.05%
Reducing substances	≤0.5%	0.3%
PH	6.5-8.5	7.1
Loss on drying	≤1.0%	0.5%
Assay	98.0% ~ 102.0%	99.05%

Conclusion Complies with requirements of Industry Grade

Analyst: Jiang Jingjing

QC Director: Feng Fang



# ***Application 1:***

## **Sodium gluconate----Concrete additive**

After adding a certain amount of sodium gluconate in cement, the plasticity and strength of concrete can be increased, and there is a blocking effect. That is postponing the initial and final solidification period of concrete, such as adding 0.15% sodium gluconate, can extend the initial solidification time of concrete by more than 10 times, that is, the plastic time of concrete is extended from a few hours to a few days, without affecting its fastness.

Plasticity and delay of initial solidification time are very important problems in concrete operation. For example, in high temperature season construction and large-scale engineering operation, delay of initial solidification time is a difficult problem. Sodium gluconate can solve this problem successfully.





## ***Application 2:***

### Sodium gluconate----Water stabilizer

Sodium gluconate has excellent corrosion and scale inhibition effects, so it is widely used as a water quality stabilizer, such as treatment agents for circulating cooling water systems in petrochemical enterprises, low-pressure boilers, and internal combustion engine cooling water systems.

It has the following special advantages:

- (1) It has obvious coordination effect.
- (2) The corrosion inhibition rate increases with increasing temperature.
- (3) Strong anti-scaling ability.
- (4) Eliminate public hazards.

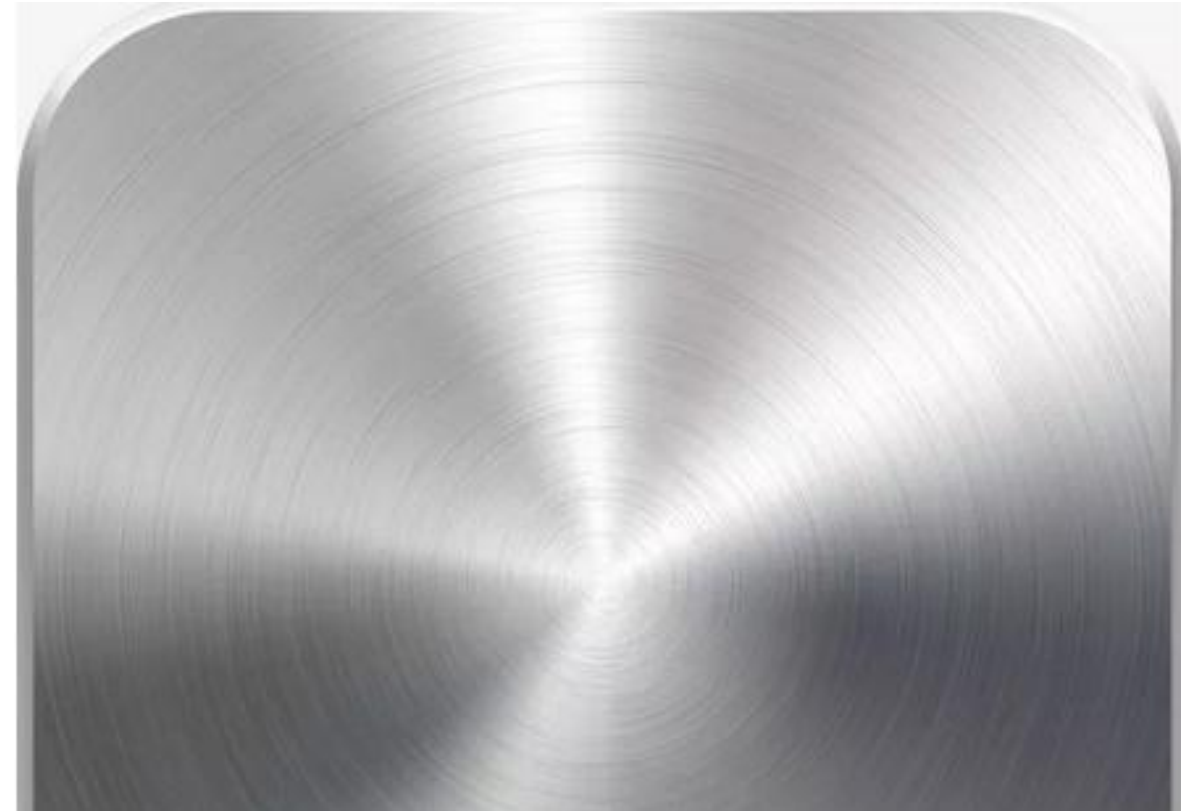




## ***Application 3:***

Sodium gluconate----Steel surface cleaning agent

When steel surface such as plating,chrome plating,nickel plating,nickel plating, tin pot needs to adapt to the special use,the slab surface are required to undergo a rigorous cleaning,to make the coating material and the steel surface adhere dimly.At this time,add sodium gluconate to clean will achieve excellent effect.





# ***Production&Packaging&Delivery***

