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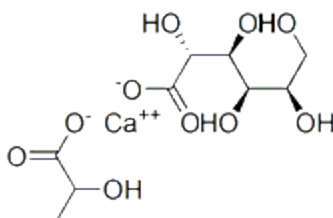
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## Technical Data Sheet

# Calcium lactate gluconate

### Product Information

Chemical Name	Calcium Lactate Gluconate
CAS #	5743-47-5 & 299-28-5
Formula	C <sub>6</sub> H <sub>10</sub> CaO <sub>6</sub> · 5H <sub>2</sub> O & C <sub>12</sub> H <sub>22</sub> CaO <sub>14</sub>
Molecular Weight	308.29 g/mol & 430.37 g/mol
Synonyms	(gluconato)(lactato)calcium; CALCIUM GLUCONATE LACTATE; Calcium, (gluconato)(2-hydroxypropanoato)-; EINECS 234-359-1; Calcium, (D-gluconato)(2-hydroxypropanoato)-
Chemical Structure	



### Description

Lactic acid calcium gluconate is a mixture of calcium lactate and calcium gluconate, the product is white solid powder, odorless, tasteless.

### Physical Properties

Chemical name: lactic acid calcium gluconate  
Standard: food grade FCC  
Appearance: Powder  
Color: white  
smell: no smell  
Solubility: soluble in water

### Specification

Item	Food grade
Appearance	White crystalline powder
Assay calcium, %	12.5-13.5

Acidity(as lactic Acid),%	≤0.45
Sulfate(Quality Fraction of SO <sub>4</sub> dry Basis),%	≤0.03
Loss on drying,%	5.0-10.0
Heavy metals(as Pb),ppm	≤10
PH (5% cold solution.20°C)	6.0-8.0
Magnesium and alkalisalts,%	≤0.5
Merury, ppm	≤1
Lead,ppm	≤1
Fluoride,ppm	≤15
Sucrose and reducing sugars,ppm	Passes test
Arsenic,ppm	≤1.5
Volatile fatty acids	Passes test

### Safety

Always refer to the Material Safety Data Sheet (MSDS)

### Applications

- 1,Lactic acid and calcium gluconate, calcium lactate gluconate (CLG), is a kind of product for calcium fortified foods and beverages. CLG is a common calcium source, a mixture of calcium lactate and calcium gluconate.
- 2,High solubility and neutral flavors are widely used in products. It has the high est solubility of all commonly used calcium salts, which is the main functional advantage of the product.
- 3,It also provides a neutral flavor even at high concentrations. This is particularly important in food applications where high calcium must be obtained without adversely affecting the taste properties of fortified products.
- 4,Taste is not too sour, calcium content up to 13.5%, and often as a food and beverage additives for this reason.

### Packaging

25kg per fiber drum  
9mt per 20ft container

### Storage & Handling

Do not store in direct sunlight. Store in a tightly closed container.  
Store in a cool, dry, well-ventilated area away from incompatible substances.  
Wash thoroughly after handling. Use with adequate ventilation. Minimize dust generation and accumulation.  
Avoid breathing dust, vapor, mist, or gas. Avoid contact with skin and eyes. Keep container tightly closed.  
Avoid ingestion and inhalation.

Always refer to the Material Safety Data Sheet (MSDS) for detailed information on handling and disposal.

*The information above is believed to be accurate and represents the best information currently available to us. However, we make no warranty of merchant ability or any other warranty, express or implied, with respect to such information, and we assume no liability resulting from its use. Users should make their own investigations to determine the suitability of the information for their particular purposes. In no event shall we be liable for any claims, losses, or damages of any third party or for lost profits or any special, indirect, incidental, consequential or exemplary damages, howsoever arising, even if we has been advised of the possibility of such damages.*

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