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## Technical Data Sheet

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### Magnesium gluconate

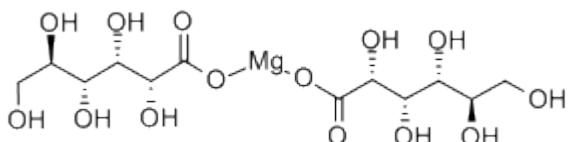
**Product Name** Magnesium gluconate

**CAS No.** 3632-91-5

**Formula** C12H22MgO14

**Molecular Weight** 414.6

**Chemical Structure**



#### Properties

White crystalline powder, no smell, no impurities, soluble in hot water, hardly soluble in ethanol.

#### Specification

| Items                               | Specification                       |
|-------------------------------------|-------------------------------------|
| Appearance                          | White crystallize powder or granule |
| Identification                      |                                     |
| A                                   | To pass test                        |
| B                                   | To pass test                        |
| PH                                  | 6.0~7.8                             |
| Chloride, %                         | ≤ 0.05                              |
| Sulfate, %                          | ≤ 0.05                              |
| Lead, ppm                           | ≤ 10                                |
| Heavy metal, ppm                    | ≤ 20                                |
| Assay, %                            | 98-102                              |
| Water, %                            | 3.0~12.0                            |
| Reducing substances, %              | ≤ 1,0                               |
| Magnesium content (as dihydrate), % | ----                                |

|                                |      |
|--------------------------------|------|
| Particle size, Thru an 70 mesh | ---- |
| Total aerobic count            | ---- |
| Molds-yeasts                   | ---- |
| E.Coli and Salmonella          | ---- |

## Safety

Always refer to the Material Safety Data Sheet (MSDS)

## Applications

- (1) magnesium gluconate disintegrate magnesium ions in the body and glucose acid, participates in the metabolism of all the energy and the activation or more than 300 enzyme catalytic systems.
- (2) has obvious muscle relaxation effect, can alleviate coronary artery spasm, reduce the release of acetylcholine, maintain the balance of the body potassium, magnesium ions.
- (3) lack of magnesium in the prevention of platelet aggregation and coronary thrombus formation, and calcium and membrane stability.
- (4) has obvious analgesic effect, especially for primary dysmenorrhea effect significantly.
- (5) can be used to prevent myocardial infarction and other cardiovascular diseases.
- (6) can promote metabolism, improve cell nutrition, increase appetite and nutrition, help development, etc.
- (7) is suitable for the treatment of nervous system diseases, blood vessels, hypotonia, hysteria, neurasthenia, rickets, anemia and tuberculosis

## Packaging

25kg per fiber drum,6-7 tons per container.

## Storage & Handling

Keep away from sources of ignition. No Smoking. Do not breathe vapor or mist. Avoid contact with skin, eyes, or clothing. Keep container tightly closed, in a well-ventilated place. Freezes (solidifies) at 18C.

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

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