

Calcium Gluconate

ITEMS	STANDARD
Description	White crystals or granular powder
Identification	Meets the requirements
Loss on drying	2.0%
Heavy metals, ppm	20 max
Sucrose and reducing substances, %	1.0 max
Arsenic, ppm	3 max
Assay (calculated as the anhydrous), %	98.0-102.0
Conclusion Compiles with the requirements of USP28Ed	

Chemical Name: Calcium Gluconate

Synonyms: Calcium d-clugconate;Calcium gluconate;Calcium gluconate;Gluconic adci calcium salt

Molecular formula: C₁₂H₂₂CaO₁₄

Molecular weight: 430.373

CAS No: [299-28-5 (18016-24-5)]

Characteristics: Fine, white granules or powder

Applications: Nutrient; Dietary Supplement; Pharmaceuticals

Calcium gluconate is a mineral supplement. It is the form of calcium most widely used in the treatment of hypocalcemia gluconate contains 9.3% calcium. It is also used to counteract an overdose of magnesium sulfate, often administered to pregnant women experiencing premature labor to slow or stop contractions. Excess magnesium sulfate can cause respiratory depression, for which calcium gluconate would be the antidote.

Calcium gluconate is also used as a cardioprotective agent in hyperlalemia. Though it does not have an effect on potassium levels in the blood, it reduces the excitability of cardiomyocytes thus lowering the likelihood of developing cardiac arrhythmias.

Specification: USP/FCC/BP grade

Transportation: This product is a non-dangerous product and can be transported as a common chemical product.

Package:25kg/Bag 25kg/Drum.