

Zinc Gluconate

ITEMS	STANDARD
Description	White powder or granules
Identification	Meets the requirements
Organic volatile impurities	Meets the requirements
Reducing substances, %	1.0 max
PH	5.5-7.5
Assay (calculated as the anhydrous), %	97.0-102.0
Water, %	11.6 max
Chloride, %	0.05 max
Sulfate, %	0.05 max
Lead, %	0.001 max
Arsenic, ppm	3 max
Cadmium, ppm	5 max
Conclusion Compiles with the requirements of USP28Ed	

Chemical Name: Zinc Gluconate

Molecular Formula: C₁₂ H₂₂ Zn O₁₄ Anhydrous C₁₂ H₂₂ Zn O₁₄ · 2H₂ O Dihydrate

Molecular Weight: 455.68 Anhydrous 491.71 Dihydrate

CAS No.: 4468-02-4 Dihydrate

Specification: USP/FCC/BP grade

Characters: Occurs as a white or nearly white, granular or crystalline powder and as a mixture of various states of hydration, up to the trihydrate, depending on the method of isolation. It is freely soluble in water and very slightly soluble in alcohol.

Application: Nutrient:Critical to the body in small amount;Important in the synthesis of nucleic acid, RNA and DNA; Essential to the normal functioning of the reproductive system, particularly to the prostate and sperm production; Used for centuries to speed the healing of wounds both internally and externally; Enhances taste bud acuity; A component of insulin; Protects liver from damage; Helps skin disorders;Critical to protein synthesis; Aids digestion absorption and metabolism of vitamins;Important in collagen formation and immune system function.Zinc nutrition enhancer: Used in dairy products, baby and child foods, grain products and beverages, salt.

Package: 25Kg Fiber drum or all paper drum or kraft paper bag