



SPECIFICATION SHEET

Product Name	Calcium Gluconate USP (Monohydrate)		
Product Formula	C₁₄ H₂₂ CaO₁₄.H₂O		
Molecular Weight	448.39		
CAS Number	66905-23-5		
No.	Tests	Specifications	Reference
1	Description	White, crystalline, odorless, tasteless granules or powder	USP
2	Solubility	Sparingly (and slowly) soluble in water, freely soluble in boiling water, insoluble in alcohol	USP
3	Identification	Shall pass the test	USP
	A. Test of calcium	Shall pass the test	
	B. Thin-layer chromatography		
4	Loss on Drying	Max. 2% w/w	USP
5	Chloride	Max. 0.07 %	USP
6	Sulfate	Max. 0.05 %	USP
7	Arsenic	Max. 3 ppm	USP
8	Heavy Metals	Max. 0.002 %	USP
9	Reducing substances	Max. 1.0%	USP
10	Assay as C ₁₂ H ₂₂ CaO ₁₄ .H ₂ O	98.5% - 102.0%	USP
Storage: Store in a well-closed container at a temperature not exceeding 25C, protected from direct sunlight and Moisture, unless otherwise specified.			
Retest Period: 5 years from the date of manufacture.			