

SPECIFICATION

Product Name	Calcium Gluconate IP		
Product Formula	C₁₂H₂₂ CaO₁₄.H₂O		
Molecular Weight	448.4		
CAS Number	18016-24-5		
No.	Tests	Specifications	Reference
1	Description	White, crystalline powder or granules	IP
2	Solubility	Sparingly soluble in water, freely soluble in boiling water, insoluble in ethanol (95%)	IP
3	Identification :	Shall pass the test	IP
	A . Thin-layer chromatography	Shall pass the test	
	B. Test B	Shall pass the test	
	C. Reactions for calcium sal		
4	Appearance of solution	Not more intensely coloured than reference solution YS6. On cooling to room temperature, the solution is not more opalescent than opalescence standard OS2	IP
5	Acidity or alkalinity	Shall pass the test	IP
6	Arsenic	Max. 2 ppm	IP
7	Heavy metals	Max. 20 ppm	IP
8	Chlorides	Max. 250 ppm	IP
9	Sulphates	Max. 150 ppm	IP
10	Sucrose and reducing sugars	No red precipitate is formed	IP
11	Assay as C ₁₂ H ₂₂ CaO ₁₄ .H ₂ O	98.5 % - 102.0 %	IP
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.			