



ZINC GLUCONATE

Sr. No.	TESTS		SPECIFICATION	
			USP	BP
1.	Description		White or practically white powder or granules	White or almost white, hygroscopic, crystalline, powder
2.	Solubility		Soluble in water; very slightly soluble in alcohol	Soluble in water, practically insoluble in anhydrous ethanol and in methylene chloride
3.	Identification		As per USP	
	A. Identification Tests- General		A 100 mg/mL solution meets the requirements	A white precipitate is formed that doesn't dissolve upon the addition of 5mL of hydrochloric acid R
	B. Thin layer Chromatography		The principle spot of the sample solution corresponds in color, size, and RF value to that of the Standard solution	The principle spot in the chromatogram obtained with the test solution is similar in position, color and size to the principle spot bin the chromatog-ram obtained with the reference solution
4.	pH		5.5 to 7.5	----
5.	Water Determination		NMT 11.6%	MAX 12%
6.	Arsenic		NMT 3 ppm	----
7.	Heavy Metals		----	MAX. 10 ppm
8.	Chloride		NMT 0.05%	MAX. 500 ppm
9.	Sulfate		NMT 0.05%	MAX. 500 ppm
10.	Limit of Lead		NMT 10 ppm	----
11.	Limit of Cadmium		NMT 5 ppm	MAX. 2 ppm
12.	Appearance of Solution		----	As per BP
13.	Reducing Substance		NMT 1.0%	----
14.	Sucrose and Reducing Sugars		----	As per BP
15.	Assay		97.0 %-102.0%	98.0 %-102.0%
16.	Microbial Contamination	TAMC	----	10 ³ CFU/g
		TYMC		10 ² CFU/g