



SPECIFICATIONS

GRADE: IP

PRODUCTS NAME		:	CALCIUM GLUCONATE IP
CAS NO.		:	18016-24-5
Sr. No.	TEST PARAMETER	SPECIFICATION	
1.	Description	A white, crystalline powder or granules.	
2.	Identification A Determine by thin-layer chromatography, coating the plate with silica gel G. Identification B A yellow colour is produced. Identification C gives reactions A and B of calcium salts	To pass test To pass test To pass test	
3.	Appearance of solution	A 2.0 % solution at 60° C is not more intensely coloured than reference solution YS6. On cooling to room temperature, the solution is not more opalescent than opalescence standard OS2.	
4.	Acidity and alkalinity	Add 0.1 ml of 0.01 N of hydrochloric acid and 0.1 ml of phenolphthalein solution; no colour is produced. Add 0.3 ml of 0.01 N of sodium hydroxide; a pink colour is produced.	
5.	Arsenic	Max. 2 ppm	
6.	Heavy metals	Max. 20 ppm	
7.	Chlorides	Max. 250 ppm	
8.	Sulphates	Max. 150 ppm	
9.	Sucrose and reducing sugars	No red precipitate is formed	
10.	Assay	98.5 % to 102.0 %	