

**DIBASIC CALCIUM PHOSPHATE (ANHYDROUS) SPECIFICATIONS AS PER
USP/EP/BP/IP/IH**

Sr. No.	TESTS	SPECIFICATIONS
1.	Description	White or Almost white, crystalline powder
2.	Solubility	Practically insoluble in water and in ethanol(96%) It dissolve in dilute hydrochloric acid and in dilute nitric acid
3.	Identification	A Dissolve with heating 0.1 gin 10 mL of dilute hydrochloric acid R. Add 2.5 mL of dilute Ammonia R1, shake, and add 5 mL of a 35 g/L solution of ammonium oxalate R. A white precipitate is produced.
B		Dissolve 0.1 g 5 mL of dilute nitric acid R, add 2 mL of ammonium molybdate solution R and heat at 70°C for 1-2 min. A yellow precipitate is produced
C		It complies with the limits of the assay
4.	Acid insoluble substances	Not more than 0.2%
5.	Carbonates	No effervescence is produced
6.	Chloride	Not more than 0.25%
7.	Fluorides	Not more than 100 ppm
8.	Sulphate	Not more than 0.5%
9.	Arsenic	Not more than 10 ppm
10.	Barium	No Turbidity is produced
11.	Iron	Not more than 400 ppm
12.	Loss on ignition (800°C to 825°C)	6.60 - 8.70 %
13.	Assay	97.0 – 102.5 %