



**NAME OF PRODUCT: CARBOXY METHYL CELLULOSE CALCIUM- USP**

SR.NO	TEST	LIMIT
1	Description	White to yellowish-white powder. Is hygroscopic.
2	Solubility	Practically insoluble in alcohol, in acetone, in ether, in chloroform, and in benzene. It swells with water to form a suspension. The pH of the suspension, obtained by shaking 1 g with 100 mL of water, is between 4.5 and 6.0.
3	Identification: Identification A Identification B Identification C Identification D, <191> Calcium	A. A red purple color develops. B. A white, flocculent precipitate is formed. C. A brown, flocculent precipitate is formed D. A white ppt is formed. This ppt is insoluble when 6 N acetic acid is added but dissolves in hydrochloric acid.
4	Residue On Ignition <281> (On dried basis)	Between 10.0% to 20.0%
5	Chloride <221>	NMT 0.36%
6	Sulfate <221>	NMT 1.0%
7	Alkalinity	No red color develop
8	Loss on drying <731> (at 105°C for 4 hours)	NMT 10.0%
9	Additional test	
	Heavy metal	NMT 20ppm
10	pH ( INH)	Between 4.5 to 6.0
11	Starch( INH)	No blue color develop with iodine
12	Settling Volume ( INH)	10 ml to 30 ml