



**NAME OF PRODUCT: MICROCRYSTALLINE CELLULOSE- BP**

SR.NO	TEST	LIMIT
1	Description	White or almost white, fine or granular, slightly hygroscopic powder.
2	Solubility	Practically insoluble in water, in acetone, in anhydrous ethanol, in toluene, in dilute acids and in a 50 g/L solution of sodium hydroxide.
3	Identification Identification A	The substance becomes violet-blue.
	Identification B	Not more than 350.
4	Solubility	Dissolve completely, leaving no residue.
5	pH <2.2.3>	Between 5.0 to 7.5
6	Ether soluble substance	Maximum 5.0mg. (0.05%)
7	Water soluble substance	Maximum 12.5 mg (0.25%)
8	Starch (INH)	No blue colour is produce.
9	Loss on Drying<2.2.32> (at 105 °C for 3 h.)	NMT 7.0 %
10	Sulphated Ash<2.4.14>	NMT 0.1 %
11	Conductivity<2.2.38>	75 $\mu\text{S}\cdot\text{cm}^{-1}$ .
12	Microbial enumeration tests <2.6.12>and Tests for specified microorganisms <2.6.13>	
	Total aerobic microbial count	NMT 1000 cfu/g
	Total combined molds and yeasts	NMT 100 cfu/g
	E. coli	Absent
	Salmonella	Absent
	S. aureus	Absent
	Ps. aeruginosa	Absent
13	Additional test	
	Heavy metal	NMT 10 ppm