



## SPECIFICATIONS

### PARMCEL 102

Microcrystalline Cellulose (PH-102)

conform to Ph.Eur.

<i>Characters</i>	
Appearance	White or almost white, fine or granular powder.
Solubility	Practically insoluble in water, acetone, ethanol, toluene, dilute acids and in 50 g/l aqueous solution of sodium hydroxide.
<i>Identification</i>	
Test A	The infrared absorption spectrum of the test substance corresponds with that of a reference standard.
Test B	The substance should become violet-blue.
Test C	350 maximum
Solubility in copper tetrammine solution	Dissolves completely leaving no residue.
pH	5.0 to 7.5
Conductivity	75 $\mu$ S/cm maximum
Ether soluble substances	0.05% (m/m) maximum
Water soluble substances	0.25% (m/m) maximum
Heavy metals	10 ppm maximum
Loss on drying	7.0% maximum
Sulphated ash	0.1% maximum
<i>Microbial contamination</i>	
TAMC	<10 <sup>3</sup> CFU/g
TYMC	<10 <sup>2</sup> CFU/g
Staphylococcus aureus	Absent
Pseudomonas aeruginosa	Absent
Escherichia coli	Absent
Salmonella	Absent
<i>Particle size distribution</i>	
> 250 $\mu$ m	8.0% maximum
> 75 $\mu$ m	45.0% minimum
Bulk Density	0.28 – 0.38 g/ml