

Quality control Specifications

Product: Microcrystalline cellulose Sphere **Grade:** Cellurasphere 500

Description: Description: Odor	practically inso soluble in NaO practically inso	white or beige, hard and almost spherical particles, luble in water and most of the organic solvents, H (1 in 20 Parts) luble in water and most of the organic solvents, H (1 in 20 Parts)
Pharmacopeial tests		Specifications
Identification A (USP/BP), B(EP), JP, (Zinc chloride Test)		Correspond as NF, EP, JP
Identification A (EP)		Correspond as NF, EP, JP
Identification B (USP/BP), JP, C (EP)		NMT 350 as USP/NF, NF, EP, JP
Degree of polymerization		
Identification 2 (JP)		Corresponds as JP
Solubility (Coppertetramine solution)		Corresponds as NF, EP, JP
рН		5.0 -7.0 as NF, EP, JP
Conductivity		NMT 75µS.cm-1 as NF, EP, JP
Water-soluble substances		NMT 0.25 % as NF, EP, JP
Ether-Soluble substances		NMT 0.05 % as NF, EP, JP
Loss on Drying		NMT 7 % as NF, EP, JP
Heavy Metals		NMT 10 ppm NF, EP, JP
Residue on Ignition/Sulphated Ash		NMT 0.1 % as NF, EP, JP
Standards		Inhouse specifications
Bulk Density		0.6 to 1.0 g/ml
Assay		97 - 102 %
Particle size		500-700 μ
Sphericity degree (average)		NLT 90 %
Friability (%)		0
Swelling index (ml/g)		NMT 2
Microbial Limits		
TVAC (Total Viable aerobic co	ount)	NMT 1000 cfu/g as NF, EP, JP
TYMC (Total yeast and mould Count)		NMT 100 cfu/g as NF, EP, JP
S. Aureus		Absent as NF, EP, JP
E. Coli		Absent as NF, EP, JP
P. Aeruginosa		Absent as NF, EP, JP
Salmonella Species		Absent as NF, EP, JP

The Raw materials processing and product do not contain any solvent listed in organic volatile impurities (USP<467>) and residual Solvents (Ph.Eur <5.4>)

Storage: Store in well closed and tight container and protect from light.