

Chondroitin Sulfate Sodium USP 90% Powder

Product Characteristics

Appearance	White to off-white free flowing powder
Manufacturer	Qindao Wantuming Biological Products Co, Ltd
Country of Origin	China

Profile

Specification

Identification A (infrared absorption)	Meets USP
Identification B (sodium)	Meets USP
Identification C (disaccharide composition)	Meets USP
Identification D (specific rotation)	Meets USP
Chondroitin sulfate assay	
CPC – dry basis	≥ 90.0%
Enzymatic HPLC – dry basis	Report only
Residue on ignition	20 – 30%
Chloride	≤ 0.5%
Sulfate	≤ 0.24%
Electrophoretic purity	≤ 2.0%
Protein content	≤ 6.0%
As	≤ 3 ppm
Cd	≤ 2 ppm
Hg	≤ 0.3 ppm
Pb	≤ 0.5 ppm
Nonspecific disaccharides	≤ 10.0%
Clarity and color of solution	≤ 0.35
Specific rotation	-20.0° to -30.0°
pH	5.5 – 7.5
Loss on drying	≤ 12.0%
Residual solvents	Meets USP
Particle size	≥ 95% through 80 mesh
Bulk density	0.60 – 0.85 g/ml
Tapped density	0.65 – 0.95 g/ml
Total aerobic plate count	≤ 1,000 CFU/g
Yeast and mold	≤ 100 CFU/g
Salmonella	Negative
E. Coli	Negative

Storage

Store in tight containers, protected from light, moisture and heat.

Revision: 9/27/23