

## Chondroitin Sulfate Sodium USP 90% Powder

### Product Characteristics

Appearance	White to off-white free flowing powder
Country of Origin	China

### Physical Profile

### Specification

Identification A (Infrared absorbtion)	Meets USP
Identification B (Sodium)	Meets USP
Specific rotation	-20.0° to -30.0°
Residual solvents (ethanol)	≤ 0.5%
Chondroitin sulfate assay	
CPC – dry basis	≥ 90.0%
Loss on drying	≤ 10.0%
Residue on ignition	20 – 30%
Heavy metals	≤ 10 ppm
Lead	≤ 0.5 ppm
Arsenic	≤ 1.0 ppm
Sulfate	≤ 0.24%
Chloride	≤ 0.5%
pH	5.5 – 7.5
Protein content	≤ 6.0%
Impurities	≤ 2.0%
Particle size	≥ 90% through 80 mesh

### Microbiological Profile

Total aerobic plate count	≤ 3,000 CFU/g
Yeast and mold	≤ 100 CFU/g
Clostridium	Negative
Salmonella	Negative
E. Coli	Negative

### Storage

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