

Gelatin Powder

Capsule shell material – All bloom grades

Product Description

Pharmaceutical-grade Gelatin Powder is used for hard and soft capsule shell manufacturing. Available in all bloom grades to BP/USP standards.

Certificate of Analysis

HSN Code: 3503.00

CAS Number: 9000-70-8

Classification: Pharmaceutical Excipient — C

Parameter	Specification	Test Method
Appearance	Light yellow granular powder	Visual
Identification	Positive biuret reaction	Chemical reaction
Bloom Strength	150–300 g bloom	Bloom gelometer
Viscosity	Grade dependent	Viscometry
pH (1% aqueous at 60°C)	3.8–7.6	USP <791>
Loss on Drying	"d 1 5 . 0 %	USP <731>
Residue on Ignition	"d 2 . 0 %	USP <281>
Heavy Metals	"d 5 0 p p m	USP <231>
Microbial Limits (TAMC)	"d 1 0 0 0 c f u / g	USP <61>

Physical Properties

Appearance: Light yellow granular powder

Molecular Formula: Hydrolyzed collagen (protein polymer)

Molecular Weight: Grade dependent (15,000–250,000 g/mol)

Solubility: Soluble in warm water (above 40°C); forms gel on cooling

Melting Point: Gels between 8–15°C; melts at 27–34°C

Packing: 25 kg HDPE bags with polyethylene inner liner; kraft paper bags available

Storage: Store in a cool, dry, well-ventilated area. Avoid moisture. Below 25°C.

Safety & Handling

PPE: Gloves, safety goggles, dust mask, lab coat

Hazards:

- Allergen — derived from bovine/porcine sources
- Dust may cause respiratory irritation