

Cross Carmelose Sodium

Superdisintegrant for tablets

Product Description

Croscarmellose Sodium (CCS) is a cross-linked polymer superdisintegrant used in tablet and capsule formulations for rapid disintegration. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 3912.31

CAS Number: 74811-65-7

Classification: Pharmaceutical Excipient — S

Parameter	Specification	Test Method
Appearance	White to off-white powder	Visual
Identification	Conforms to reference standard	IR
pH (1% dispersion)	5.0–7.0	USP <791>
Loss on Drying	"d 1 0 . 0 %	USP <731>
Residue on Ignition	14.0–28.0%	USP <281>
Sodium Content	4.0–8.0%	AAS / Flame photometry
Settling Volume	"e 1 0 m L / g	Compendial method
Heavy Metals	"d 2 0 p p m	USP <231>

Physical Properties

Appearance: White to off-white powder

Molecular Formula: Cross-linked sodium carboxymethylcellulose (polymeric)

Molecular Weight: Polymeric (high MW cross-linked network)

Solubility: Insoluble in water but swells rapidly; insoluble in organic solvents

Melting Point: Does not melt; chars above 260°C

Packing: 25 kg HDPE bags with polyethylene inner liner; fibre drums available

Storage: Store in a cool, dry, well-ventilated area. Below 30°C.

Safety & Handling

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

Hazards:

- Dust may cause mild respiratory irritation