

Maize Starch

Disintegrant for tablets and capsules

Product Description

Maize Starch (Corn Starch) is a natural disintegrant and diluent used in tablet and capsule formulations. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 1108.12

CAS Number: 9005-25-8

Classification: Pharmaceutical Excipient — D

Parameter	Specification	Test Method
Appearance	White to off-white powder	Visual
Identification	Characteristic under microscopy; blue with iodine	Microscopy / Iodine
pH (2% slurry)	4.5–7.0	USP <791>
Loss on Drying	"d 1 5 . 0 %	USP <731>
Residue on Ignition	"d 0 . 5 %	USP <281>
Iron	"d 2 0 p p m	AAS
S O ,	"d 5 0 p p m	Distillation / Titration
Heavy Metals	"d 2 0 p p m	USP <231>

Physical Properties

Appearance: White to off-white powder

M o l e c u l a r F o r m u l a : (C † H • € O ...) ™

Molecular Weight: Polymeric (MW ~300,000 g/mol typical)

Solubility: Practically insoluble in cold water; swells in hot water to form gel

Melting Point: Does not melt; gelatinizes at 62–72°C

Packing: 25 kg HDPE bags with polyethylene inner liner; 50 kg bags available

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

Safety & Handling

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

Hazards:

- Combustible dust
- Dust may cause respiratory irritation