

Sodium Starch Glyconate A/B

Superdisintegrant – Type A and B

Product Description

Sodium Starch Glycolate (SSG) Types A and B are superdisintegrants used in tablet formulations for rapid disintegration. Available to BP/USP standards.

Certificate of Analysis

HSN Code: 3912.39

CAS Number: 9063-38-1

Classification: Pharmaceutical Excipient — S

Parameter	Specification	Test Method
Appearance	White to off-white powder	Visual
Identification	Conforms to reference standard	IR
pH (2% slurry)	5.5–7.5	USP <791>
Loss on Drying	"d 1 0 . 0 %	USP <731>
Sodium Content (Type A)	2.8–4.2%	Flame photometry
Sodium Content (Type B)	2.0–3.4%	Flame photometry
Degree of Substitution	0.2–0.4	Potentiometric titration
Heavy Metals	"d 2 0 p p m	USP <231>

Physical Properties

Appearance: White to off-white powder

Molecular Formula: Carboxymethyl starch, sodium salt (polymeric)

Molecular Weight: Polymeric (high MW)

Solubility: Swells rapidly in water; practically insoluble in organic solvents

Melting Point: Does not melt; decomposes on heating

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