

SPECIFICATION

Product Name: Sodium Crospovidone (water soluble) BP/USP grade
Chemical Formula: (C ₆ H ₉ NO) _n
CAS Number: 9003-39-8
Molecular Weight: N/A
Appearance: White or yellowish white powder.
Odor: Odorless

Chemical Composition

Parameter	Unit	Typical Value	Specification (Min./Max.)
Identification A:	-	Complies	By IR
Identification B:	-	Complies	No blue color develops within 30 S.
Identification C:	-	Complies	No clear solution is obtained within 15 min.
Identification D: Sieving residue fraction	-	Complies	Not more than 15%
Water	%	3.18%	Max. 5.0%
Water soluble substance	%	0.89%	NMT 1.5%
Impurity A	PPM	Complies	NMT 10 PPM
Peroxide	PPM	Complies	Max. 400 PPM
Sulphated Ash	%	0.04%	Max. 0.1%
Assay (Nitrogen)	%	11.79%	11.0 – 12.8%

Physical Properties

- Solubility: Insoluble in water. Insoluble in ethanol. Insoluble in methanol. Insoluble in acetone. Insoluble in ether. Insoluble in chloroform.

Shelf Life & Storage

- Shelf Life: 5 years from date of manufacture under recommended storage.

- Storage Conditions: Store in a tightly closed container in a cool, dry, and well-ventilated place, protected from moisture, humidity, heat, and contamination.

Applications

- Use: Widely used in superdisintegrant in pharmaceutical and nutraceutical solid dosage forms. It rapidly absorbs water and promotes fast tablet disintegration, resulting in improved dissolution and drug release.

- Dosage: Depends on Type of active ingredient (API), Tablet formulation, Compression force, Desired disintegration time, Manufacturing process (direct compression or wet granulation), Regulatory and pharmacopeial requirements.

Packaging

- Standard Packing: 25 Kg woven pp bag with inner liner or as per customer requirement.

- Labeling: Product name, batch number, net weight, manufacture date, expiry date, and manufacturer details.

* Specifications are based on the manufacturer's provided specifications.