Pharmaceutical raw material

Povidone (PVP)

Excipients for tablets and semi-solids

CAS 9003-39-8



Material illustration

Substance identity

A vinylpyrrolidone polymer. The nominal K-value identifies the grade and appears on its label. Nitrogen in the table is expressed on an anhydrous basis.

Property	Reference value	Method or source
CAS number	**9003-39-8**	USP–NF
Repeat unit	**$(C_6H_9NO)_n$**	USP–NF
Grade selection parameter	**K-value**	USP–NF
N · anhydrous basis	**11.5–12.8 %**	USP–NF
Nominal K-value	**10–120**	USP–NF

For acceptance, check the agreed specification and the certificate of analysis (COA) for the delivered lot.



Applications

A water-soluble polymeric binder used in wet granulation. The K-value relates to solution viscosity. Crospovidone is a separate cross-linked excipient with a different function.



Purchasing criteria

Specify the K-value range and monograph. For an oxidation-sensitive formulation, identify any peroxide requirement. If solution viscosity is critical, give the concentration and temperature of measurement.

Technical reference

USP–NF