

## Product specification sheet



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**Article-ID:** AD1140  
**Article name:** Polyvinylpyrrolidone K30  
**CAS-No.:** 9003-39-8  
**Sum formula:**  $(C_6H_9NO)_n$

| Parameter                     | Value                                                                                 | Unit |
|-------------------------------|---------------------------------------------------------------------------------------|------|
| <b>Physical Description</b>   | White powder                                                                          | -    |
| <b>Solubility</b>             | Freely soluble in water, in ethanol and in methanol, very slightly soluble in acetone | -    |
| <b>Identification</b>         | A, B, C, D, E                                                                         | -    |
| <b>Appearance of Solution</b> | ≤ B6, BY6 or R6                                                                       | -    |
| 1 g in 20 ml water:           |                                                                                       |      |
| <b>pH</b>                     | 3.0 - 5.0                                                                             | -    |
| 5% in water                   |                                                                                       |      |
| <b>Viscosity</b>              | 29.0 - 32.0                                                                           | -    |
| K-value                       |                                                                                       |      |
| <b>Aldehydes</b>              | ≤ 500                                                                                 | ppm  |
| <b>Peroxides</b>              | ≤ 400                                                                                 | ppm  |
| <b>Hydrazine</b>              | ≤ 1                                                                                   | ppm  |
| <b>Impurities</b>             | 1-Vinylpyrrolidin-2-one: ≤ 10                                                         | ppm  |
|                               | 2-Pyrrolidone: ≤ 3                                                                    | ppm  |
| <b>Heavy Metals</b>           | ≤ 10                                                                                  | ppm  |
| <b>Water</b>                  | ≤ 5.0                                                                                 | %    |
| <b>Sulfated Ash</b>           | ≤ 0.1                                                                                 | %    |
| <b>Formic acid</b>            | ≤ 0.5                                                                                 | %    |
| <b>Nitrogen Content</b>       | 11.5 - 12.8 %                                                                         | %    |
| <b>Pharmacopoeia</b>          | Conforms to EP, USP                                                                   | -    |
| <b>Specification(s)</b>       |                                                                                       |      |
| <b>Specification Version</b>  | 1.0                                                                                   | -    |

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