



## Bovidone XL XL-10 Crospovidone Freely Soluble and Physiologically Compatible in Food

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Hongbaiyi
- Certification: HPLC
- Model Number: HBY-Bovidone XL & XL-10
- Minimum Order Quantity: 1kg
- Price: Negotiable
- Packaging Details: Packed in 20 kg fiber drums or 30 kg plastic drums
- Delivery Time: 3~5 days, upon receipt of payment
- Payment Terms: T/T, Western Union, MoneyGram
- Supply Ability: 3000 Kilograms



### Product Specification

- Name: Bovidone XL & XL-10
- CAS Number: 9003-39-8
- INCI Name: Polyvinylpyrrolidone (abbr. PVP)
- Particle Size: 70-110 Um For XL And 20-40 Um For XL-10
- NVP:  $\leq 10.0$  Ppm
- Peroxides:  $\leq 400$  Ppm
- Water-soluble: Freely Soluble In Water And A Variety Of Organic Solvents
- Chemical Properties: Free-flowing, Hygroscopic Powder, Solubilization, Physiological Compatibility, High Adhesive Ability
- Highlight: **Freely Soluble Crospovidone, Food Crospovidone, XL XL-10 Crospovidone**



### More Images



### Product Description



Bovidone XL and XL-10 are brand names for Crospovidone, a polyvinylpyrrolidone (PVP-P).

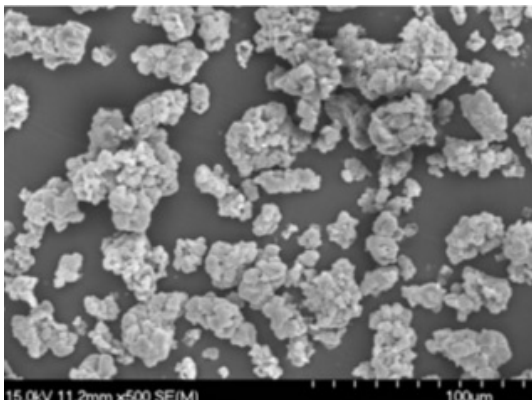
**Physical and chemical properties**

- White or nearly white, hygroscopic flowing powder, odorless or smelly;
- Almost insoluble in water, acid, and common organic solvents, with strong swelling properties and complexing ability with many kinds of substances;
- Popcorn structure gives it a huge specific surface area;

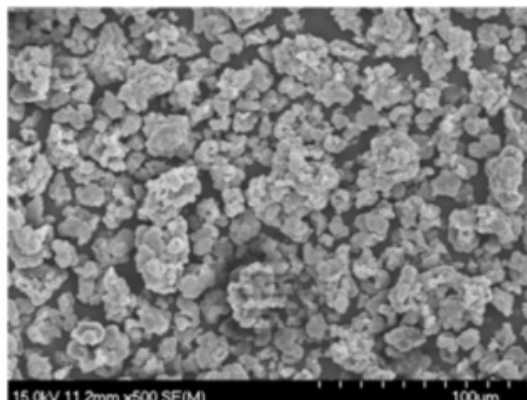
**Chemical Data**

| Property   | Value                            |
|--|----------------------------------|
| Product name                                       | Bovidone XL & XL-10              |
| Brand name   | HBY                              |
| CAS NO.  | 9003-39-8                        |
| INCI Name  | Polyvinylpyrrolidone (abbr. PVP) |
| CEP Reg. No  | 2014-372                         |
| DMF Reg. No  | 29049                            |
| Chinese Excipient Registration No. of BOVIDONE K30 | F20170000142                     |

**Typical Properties**



**SEM BOVIDONE® XL**



**SEM BOVIDONE® XL-10**

**Specification**

| Property | Bovidone K15 | Bovidone K17 | Bovidone K25 | Bovidone K30 | Bovidone K90   |
|----------|--------------|--------------|--------------|--------------|----------------|
| K-Value  | 12.8-17.3    | 15.3-18.4    | 22.5-27.0    | 27.0-32.4    | 81.0-97.2      |
| Mv.      | 4500-9700    | 7100-11000   | 19300-31100  | 31700-51400  | 790000-1350000 |
| 2-P (%)  | ≤10.0        | <10.0        | <5.0         | ≤5.0         | ≤10.0          |

|                        |      |      |      |      |      |
|------------------------|------|------|------|------|------|
| Element Impurity (ppm) | ≤400 | ≤400 | ≤200 | <150 | ≤400 |
| Peroxides (ppm)        | ≤3.0 | ≤3.0 | ≤3.0 | ≤2.0 | ≤3.0 |
| Fulfill ICH Q3D        | Yes  | Yes  | Yes  | Yes  | Yes  |

#### Applications

As a water-insoluble tablet super disintegrant, it can be used for direct compression and dry or wet compression of tablets, generally at a concentration of 2-5%, and can quickly show high capillary activity and excellent hydration without gel formation. It has a short disintegration time, but a high dissolution rate, high stability, and high tablet hardness.

It can be used as a dry binder, filler, and excipient for tablets, capsules, and granules. Due to the small particle size of povidone, it can reduce the localized formulation when pressing tablets and improve the uniformity of tablets.

Used as a dissolution promoter, it can increase the solubility of insoluble drugs through co-transpiration.

Used as a suspension stabilizer, can improve the suspension stability of oral liquid preparation.

Widely used in the food industry as a filter aid in the production of wine, beer, and fruit juice.

PVPP can form stable complexes with polyphenols.

#### Packaging and Storage

Packed in 20 kg fiber drums or 30 kg plastic drums lined with double-layer pharmaceutical polyethylene film bags, using a nitrogen purge system to keep the peroxide stable.

Store in a dry place at room temperature.



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