

**郑州拓洋实业有限公司**  
ZHENGZHOU TUOYANG INDUSTRIAL CO., LTD

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**SPECIFICATION**

**Product Name: Ascorbic acid (Vitamin C)**

**Molecular Formula:** C<sub>6</sub>H<sub>8</sub>O<sub>6</sub>

**Molecular Weight:** 176.13

**Description:** It is a white or slightly yellow crystals or powder, a little acid. m.p.190°C-192°C, easily soluble in water, a little soluble in alcohol and uneasily soluble in Ether and chloroform and other organic solvent. In solid state it is stable in air. Its water solution is easily mutated when it meets with air.

**Quality Standard:** Its quality is accorded with BP2009/USP32/EP6/FCCV & E300 EU regulation 231/2012.

Items of analysis	Specification
Characteristics	White or almost White crystals Crystalline Powder
Identification	Positive Reaction
Melting Point	190°C~192°C
PH	2.1~2.6
Clarity Of Solution	Clear
Colour of Solution	≤BY <sub>7</sub>
Copper	≤5ppm
Heavy Metals	≤10ppm
Mercury	<0.1mg/kg
Lead	<2mg/kg
Arsenic	≤3ppm
Oxalic Acid	≤0.2%
Iron	≤2ppm
Loss of drying	≤0.4%
Sulphate Ash(Residue On Ignition)	≤0.1%
Specific Optical Rotation	+20.5° ~+21.5°
Organic Volatile Impurities	Pass
Total plate count	<1000/g

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<b>Yeast and Mould</b>	<b>&lt;100/g</b>
<b>Salmonella, E-COLI</b>	<b>Negative</b>
<b>Assay</b>	<b>99.0% ~100.5%</b>
<b>Through 100mesh</b>	<b>95% Min.</b>

**Shelflife:** 3 years

**Packing:** Inside packing-edible polyethylene plastic film.  
Outside packing-carton (40cm×30cm×25cm);  
N.W.:25KGS, G.W.:26KGS.  
Or according to the requirement of customer.

**Usage:** In the pharmaceutical industry, can be used to treat scurvy and various acute and chronic infectious diseases, are applicable to the lack of VC. In the food industry, it can both use as nutritional supplements, supplementary VC in Food Processing, and also is good antioxidants in the food preservation, widely used in meat products, fermented flour products, beer, tea drinks, fruit juice, canned fruit, canned meat and so on; also commonly used in cosmetics, feed additives and other industrial areas.

**Storage and Transportation:** It must be stored in the warehouse of ventilation, dry and shady and cool, and cannot be mixed with poisonous. The temperature must be not higher than 30°C. Transportation is the same as storage.

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A handwritten signature in blue ink, appearing to be '拓洋' (Tuoyang), written in a stylized cursive script.