

## Kojic Acid

### DESCRIPTION

Kojic Acid is a natural antibiotic agent obtained from koji malt. Koji malt has been used for the production of miso, soya and sake in China for a long time.

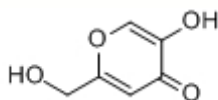
### PRODUCT IDENTIFICATION

Chemical Name: 5-Hydroxy-2-hydroxymethyl-4-pyrone; 5-Hydroxy-2-(hydroxymethyl)-4H-pyran-4-one

CAS No.: 501-30-4

EINECS No.: 207-922-4

Chemical structure:



Chemical Formula:  $C_6H_6O_4$       Molecular Weight: 142.11

### SPECIFICATION

#### ITEMS

#### SPECIFICATION

Appearance	White or off-white crystal powder
Assay	99.0% Min
Solubility	Soluble in cold water, methanol, acetone
Melting point	152-156°C
Residue on ignition	0.5% Max
Loss on drying	2.0% Max
Chloride	50ppm Max
Heavy metals (as Lead)	20ppm Max
Arsenic	2ppm Max
Ferrum	10ppm Max

### STORAGE

The product may be stored for 24 months from the date of manufacture in the unopened original container. Keep container tightly closed under cool and light proof conditions. Once opened, use contents quickly.

### **APPLICATION**

Kojic Acid is widely used in whiten cosmetic applied as a skin lightening agent due to its potential to inhibit the enzyme tyrosinase. Kojic Acid also has antibacterial, antifungal and antioxidant attributes, it can be use in food and drugs.

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