



金能科技股份有限公司

JINNENG SCIENCE & TECHNOLOGY CO., LTD.

NO.1 JINNENG ROAD, QIHE, SHANDONG, CHINA POST CODE: 251100

Specification of Sorbic acid

Chemical name: 2,4-Hexadienoic acid

Chemical formula: C₆H₈O₂

Relative molecular mass: 112.13

Description: White to yellowish-white crystalline powder, freely soluble in methanol, ethyl alcohol (approx.129g/L at 20°C) and less soluble in water (approx.1.2g/L at 20°C)

Functional use: Preservative (food grade)

CAS NO.: 110-44-1

EINECS number: 203-768-7

E number: E 200

Date of expiry: 2 years

Identification: UV-Maximum 254 ± 2nm (solution of 0.002g/L in water at PH < 3)

Specification	Purity
Assay	99.0%-101.0%(on dry weight basis)
Loss on drying (Karl Fischer)	Not more than 0.5%
Melting range	132-135°C
Residue on ignition	Not more than 0.2%
Arsenic	Not more than 2ppm
Chloride	Not more than 180ppm
Sulphate	Not more than 380ppm
Sulfated ash	Not more than 0.2%
Heavy metal (as lead)	Not more than 10ppm
Cadmium	Not more than 0.02ppm
Mercury	Not more than 1ppm
Lead(Pb)	Not more than 2 ppm
Zinc	Not more than 0.1ppm
Aldehydes as formaldehyde	Not more than 0.1%

The quality of our potassium sorbate meets international standards such as:

-EC Directives

-Purity requirements of the FAO/WHO

-European Pharmacopoeia (EP)

-Food Chemical Codex(FCC)

-Japanese Standards for Food Additives(JSFA)

