



Specification of Potassium Sorbate Granular

Chemical name: Potassium sorbate; Potassium (E,E)-2,4-hexadienoate; Potassium salt of trans, trans 2,4-hexadienoic acid

Chemical formula: $C_6H_7KO_2$ **Relative molecular mass:** 150.22

Description: White or off-white granular, slight characteristic odor
freely soluble in water (approx. 1400g/L at 20°C), less soluble in ethyl alcohol (approx. 1g/L at 20°C)
and practically insoluble in ether. It decomposes at about 270°C.

Functional use: Preservative (food grade), antimicrobial agent

CAS NO.: 590-00-1/ 24634-61-5 **E number:** E 202 **EINECS number:** 246-376-1

Date of expiry: 2 years

Identification: Ultra-violet absorption: UV-Maximum $264 \pm 2nm$ (solution of 0.002g/L in water at pH < 3)
Test for potassium sorbate: Positive

Store & Package: Pack in 25kgs carton, 500kgs or 800kgs super sacks.
store in tight containers, protected from light, avoid exposure to excessive heat

Items	Index
Appearance	White or off white granular
Melting range	133-135°C
Assay (on dry weight basis)%	99.0%~101.0% of $C_6H_7KO_2$, on dry weight basis
Loss on drying (105°C for 3 h), %	Not more than 1%
Free alkalinity (as K_2CO_3), %	Not more than 1%
Acidity(as sorbic acid)	Not more than 1%
Aldehydes (as formaldehyde) %	Not more than 0.1%
pH-Value (10% water solution)	8.5-10.5
Heavy metals(as lead), ppm	≤10ppm
Arsenic, ppm	≤2ppm
Lead, ppm	≤ 2ppm
Zinc, ppm	≤0.1ppm
Cadmium, ppm	≤0.02 ppm
Chloride, ppm	≤180ppm
Sulfate(as SO_4) , ppm	≤380ppm
Mercury, ppm	≤1ppm
Heat Stability	No discoloration after 90 minutes at 105°C

The quality of our potassium sorbate meets international standards: FCC /E202

