



金能科技股份有限公司

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Specification For Potassium Sorbate

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Description: White or off-white Granular, Spherical or Powder, 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, antimicrobial agent.

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

Identification: Ultra-violet absorption: UV-Maximum $264 \pm 2\text{nm}$ (solution of 0.002g/L in water at $\text{pH} < 3$).

Store: Store in tight containers, protected from light, avoid exposure to excessive heat.

Package: Generally packed in 50lb carton or 25kg carton or 500kg bag.

Date of expiry: 2 years from the date of manufacture

Number	Item	Standard
01	Taste, Odor & Appearance	White or off-white granular, spherical or powder with slight characteristic odor, no taste
02	Clarity	Passes test
03	Free Alkalinity (as K_2CO_3)	Passes test
04	Assay (on dry weight basis)	98%-101%
05	Moisture Content (loss on drying)	$\leq 1.0\%$
06	Alkalinity (as K_2CO_3) or Acidity (as Sorbic Acid)	$\leq 1.0\%$
07	Aldehyde (as HCHO)	$\leq 0.1\%$
08	Sulfate (as SO_4)	$\leq 380\text{ppm}$
09	Chloride	$\leq 180\text{ppm}$
10	Heavy metals (as Pb)	$\leq 10\text{ppm}$
11	Arsenic	$\leq 3\text{ppm}$
12	Lead	$\leq 2\text{ppm}$
13	Mercury*	$\leq 1\text{ppm}$
14	pH-value	8.5-10.0 (5.0% water solution)
15	Heat resistance	Passes test

*Tested at a lab periodically.

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