

# POTASSIUM SORBATE

INCI **Potassium sorbate**  
 CAS **24634-61-5**

## SPECIFICATION

Aspect **White granular**  
 Assay **99 - 101%**

## GENERAL INFORMATION

Potassium sorbate is a polyunsaturated organic acid, that is found under white crystalline form.

It acts as an antimicrobial agent and helps to protect personal care and cosmetic products against microorganism growth. It mainly acts on yeast and molds and inhibits the growth of bacteria.

The Cosmetic Ingredient Review (CIR) expert panel evaluation concluded that potassium sorbate is a safe ingredient for use in cosmetics.

## FORMULATION & RECOMMENDATIONS

We recommend using a dosage level up to 0.15%. Potassium sorbate is effective in the acidic pH range below 6. The effectiveness of the preservative will be best at a pH of 4.5 - 5.0. A lower effectiveness can be reached at a pH range up to 6.5.

Potassium sorbate should be combined with other preservatives like Sodium benzoate. In a combination with sodium benzoate it provides a synergistic preservative effect against yeast and mold.

It is freely soluble in water and practically insoluble in ether.

### Dosage level

Recommended concentration **up to 0.15%, at pH < 6**

Solubility **freely soluble in water and practically insoluble in ether**

## APPLICATIONS

### Cosmetics

- Skin Care
- Body Care
- Makeup
- Sun Care
- Oral care
- Wet Wipes

## BENEFITS

- Extend the shelf-life of cosmetic products
- Preventing the growth of bacteria, fungi and molds
- A good alternative to parabens

## PACKAGING & SHELF LIFE

### Available packaging

Carton box of 25 kg net

### Shelf life

12 months under proper storage conditions

## REGULATORY

ECOCERT/COSMOS  
 NATRUE

allowed  
 allowed

