

TECHNICAL DATA SHEET

Elix-KON PS

INCI Potassium Sorbate

CAS 24634-61-5



SPECIFICATIONS

Appearance	White granules
Assay (%)	99 - 101

GENERAL INFORMATION

Elix-KON PS is used in a variety of personal care and cosmetic products as a preservative active ingredient. It is effective against a wide range of microorganisms, including bacteria, fungi, and yeasts, and is often used to help prevent the growth of microorganisms and extend the shelf life of the product.

The preservative activity of Elix-KON PS depends on the final pH value of the cosmetic formulations (pH max. 6).

The efficiency is increased by reducing the pH. Only the free organic acid form acts as a preservative active.

Elix-KON PS is often used to achieve a faster incorporation due to its better solubility in aqueous formulations.

FORMULATION AND RECOMMENDATIONS

Elix-KON PS, Potassium sorbate, is highly effective in the acidic pH range below 6.

To achieve a full spectrum efficacy, Elix-KON PS should be combined with other preservative actives such as Elix-KON SB (Sodium benzoate) and/or Elix-KON NaDHA (Sodium Dehydroacetate).

Recommended concentration

Typically used at 0.3% – 0.5%

Solubility

Freely soluble in water and readily soluble in many other solvents

BENEFITS

- Effective against a wide range of microorganisms, including bacteria, molds and yeasts.
- Allowed preservative active under the certification bodies
- NATRUE, COSMOS and ECOCERT.
- Fast incorporation due to its very good solubility in aqueous formulations.

APPLICATIONS

Cosmetics

- Skin care
- Body care
- Makeup
- Oral care
- Sun care
- Wet wipes

SHELF LIFE

24 months under proper storage conditions

REGULATORY

ECOCERT / COSMOS	Approved
NATRUE	Approved