

TECHNICAL DATA SHEET

Elix-KON BA

INCI Benzoic acid

CAS 65-85-0



SPECIFICATIONS

Appearance	White powder/flakes
Assay (%)	99.5 min.

GENERAL INFORMATION

Elix-KON BA is a white, crystalline solid with a sweet, aromatic odor. It is a natural substance that is found in a variety of plants, including gum benzoin, cranberries, and plums.

Elix-KON BA is also produced synthetically for use as a preservative active in a variety of different application areas like personal care and food.

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 to extend the shelf life of a product.

In addition to its antimicrobial properties, Elix-KON BA is also used as a pH adjuster. It can help stabilize the pH of the product and improve its performance.

The efficacy of Elix-KON BA depends on the pH value of the cosmetic formulations (pH max. 6). The efficiency is increased by reducing the pH value. Only the free organic acid form has a preservative activity.

FORMULATION AND RECOMMENDATIONS

Can be used alone or in combination with other preservative agents.

Effective at pH levels below 6.0
Little impact on formulation viscosity

Recommended use concentration

Typically used at 0.3 - 0.5 %

Solubility

Very soluble in alcohol, ether and different types of oils, but poorly soluble in water

BENEFITS

- It inhibits the development of microorganisms in cosmetics formulations
- It acts as a pH adjuster
- NATRUE, COSMOS and Ecocert approved

APPLICATIONS

Cosmetics

- Facial cleansing wipes
- Shampoos, hair care
- Makeup removing wipes
- Baby cleansing wipes
- Mouthwash
- Skin care

SHELF LIFE

12 months under proper storage conditions

REGULATORY

ECOCERT / COSMOS	Approved
NATRUE	Approved