

TECHNICAL DATA SHEET

Elix-CARE PEA

INCI Phenethyl Alcohol

CAS 60-12-8



SPECIFICATIONS

Appearance	Slightly viscous transparent liquid
Odor	Rose like
Assay (%)	99.0 min.

GENERAL INFORMATION

Elix-CARE PEA is a natural ingredient, water soluble with a rose-like scent, used as a masking agent and with good antimicrobial activity. It can be found in various essential oils, including rose, carnation, hyacinth, orange blossom, ylang-ylang, geranium and neroli.

Elix-CARE PEA has a pleasant floral odor of rose, muguet, hyacinth, spring meadow and honey. It is a common ingredient in flavor, fragrance and perfumery. It is also used in cosmetics as a preservative booster due to its excellent antimicrobial properties to reduce traditional use as a preservative.

FORMULATION AND RECOMMENDATIONS

Elix-CARE PEA is pH independent. It is efficient in a broad pH range. For this reason, it can be used in all kinds of products for cosmetic and perfumery, as a deodorant active and for alternative preservation.

Recommended concentration is in the range between 0.5 – 1.5 %. Please note that above 1% the rose scent will be noticeable.

Dosage level**Recommended concentration**

0.5 – 1.5 % (as preservative booster)

Solubility

Soluble in water

Elix-CARE PEA can be used in association with other preservative boosters such as Elix-CARE PDO or with classic preservatives such as Phenoxyethanol and o-Cymen-5-ol to improve preservative systems.

EFFICACY

Minimum Inhibitory Concentration (MIC) for Elix-CARE PEA

Microorganism	MIC
Gram-negative bacteria	
Escherichia coli	0.24%
Klebsiella pneumoniae	0.15%
Salmonella typhimurium	0.30%
Gram-positive bacteria	
Staphylococcus aureus	0.41%
Mycobacterium smegmatis	0.27%
Mold/Yeast	
Aspergillus niger	0.30%
Candida Albicans	0.30%

BENEFITS

- Water soluble
- Easy to handle
- Stable over a wide pH range
- Pleasant floral odor
- Low dosage
- Powerful antimicrobial activity
- From natural resources

APPLICATIONS

Fragrances

Natural extracts

Cosmetics

- Skin Care
- Hair Care
- Sun Care
- Makeup
- Toiletries
- Baby care

SHELF LIFE

24 months under proper storage conditions

REGULATORY

ECOCERT / COSMOS	Approved
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