



Elix-KON OC

INCI

CAS

o-Cymen-5-ol

3228-02-2

SPECIFICATION

Appearance

White to slightly yellow powder

Assay (%)

Min. 99.0

Water (%)

Max. 0.5

GENERAL INFORMATION

Elix-KON OC, o-Cymen-5-ol, is a preservative active used in cosmetics and beauty products to prevent harmful microorganisms from developing and to prolong the shelf life of formulas. Elix-KON OC is also used as a cosmetic ingredient that helps cleansing the skin or preventing odor by destroying or inhibiting the growth of microorganisms.

FORMULATION & RECOMMENDATION

Prior to application, a pre-mix based on Elix-KON OC and a suitable solvent such as Elix-KON PHE (Phenoxyethanol), Elix-CARE PDO (1,3-Propanediol) or various other glycols is recommended. The mixture can be added before or after the emulsification process.

Elix-KON OC, o-Cymen-5-ol, is suitable for conditions where higher temperatures (e.g. at 80° C) occur. Higher pH level than 9 should be avoided.

Recommended use concentration
0.1 % max as a preservative

Solubility
slightly soluble in water

According to the EU list of preservatives allowed in cosmetic products (Annex V), the maximum concentration allowed for Elix-KON OC, o-Cymen-5-ol, is 0.1 %.

EFFICACY

Below is an overview of the Minimum Inhibitory Concentration (MIC) of Elix-KON OC, o-Cymen-5-ol :

Microorganism	MIC
Gram-negative bacteria	
Escherichia coli	0.02%
Klebsiella pneumoniae	0.02%
Vibrio parahaemolyticus	0.025%
Salmonella typhimurium	0.02%
Pseudomonas aeruginosa	0.05%
Gram-positive bacteria	
Staphylococcus aureus	0.015%
Mycobacterium H2	0.005%
Bacillus subtilis	0.015%
Bacillus cereus	0.015%
Mold/Yeast	
Aspergillus brasiliensis	0.0075%
Aspergillus oryzae	0.005%
Pullularia pullulans	0.0075%
Cladosporium cladosporioides	0.008%
Chaetomium globosum	0.0075%
Penicillium citrinum	0.01%

BENEFITS

- High stability
- Very good safety profile
- Antioxidant activity
- Low odor and taste
- Low dosage
- No skin/eye irritation

APPLICATIONS

Fragrances
Natural extracts

- Cosmetics**
- Skin care
 - Make up
 - Sun care
 - Hair care
 - Toiletries
 - Oral care
 - Baby care

SHELF LIFE

Under proper storage conditions the shelf life is 24 months.

