

# ETHYL LAUROYL ARGINATE HCL

INCI Ethyl lauroyl arginate HCL  
 CAS 60372-77-2

## SPECIFICATIONS

Appearance	White powder
pH (1% aqueous solution)	3 – 5
Assay (%)	min. 97
Water Content	<=5.0%

## GENERAL INFORMATION

Ethyl Lauroyl Arginate HCl is used as a preservative. It is also a cationic surfactant that shows a wide spectrum of activity against Gram-positive and Gram-negative bacteria, yeasts and molds. It acts on cell membranes and the cytoplasm and inhibits the growth of populations. In no case has cell lysis been observed under the conditions studied. It can be used in a wide range of products.

This salt has significant broad-spectrum antimicrobial activity and is therefore an ingredient of choice for the formulation of natural deodorants without antiperspirant substances. It is allowed for use in organic products.

Ethyl Lauroyl Arginate HCl was Generally Recognized as Safe (GRAS) by the US Food and Drug Administration (FDA). There is some restrictions in Europe: directive 76/768/EEC annex III/197 and V/58 (see recommended concentration here after).

## FORMULATION & RECOMMENDATIONS

### Dosage level

Recommended concentration  
 Concentration in mouthwash as a preservative = 0.15%  
 Concentration in cosmetics (except lip makeup, oral hygiene products and spray) = 0.4%  
 Concentration in soap, anti-dandruff shampoo and non-spray deodorant = 0.8%

Solubility  
 Freely soluble in water, ethanol, propylene glycol and glycerol

Do not use for children under the age of 10.

## BENEFITS

- Can be used in ECOCERT/COSMOS formulations
- Easy to handle
- Good efficacy against molds and bacteria
- Stable and effective over a wide pH range compared to other acids

## EFFICACY

Effective against fungi and yeasts, offers higher antimicrobial effects at low dosage level

## APPLICATIONS

### Cosmetics

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

## PACKAGING & SHELF LIFE

### Available packaging

5 kg plastic bag, 25 kg drum

### Shelf life

18 months under proper storage conditions

## REGULATORY

ECOCERT/COSMOS  
 NATRUE

Allowed  
 Allowed

