

# AAKO.



## AZELAIC ACID LIPOCAPSULES

- **A skin changer for for acne prone or rosacea skin types.**
- **Antibacterial, Anti-Inflammatory, regulates the production of skin cells and skin lightening (for post -inflammatory hyperpigmentation).**
- **Inhibits the secretaion of free fatty acids in the sebaceous glands and regulates the normal secretion of sebum.**

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## Science

Our Lipocapsules are highest purity cosmetic actives encapsulated in a natural phospholipid. The low soluble, easy discoloration and poor compatibility in combination with high irritation has limited the application of the pure Azelaic Acid. However if encapsulated and protected by the liposomes it is now stable and has a good bioavailability and absorption and is suitable for oil and water systems. The approximate particle size is less than 30 nm. The phospholipids interact with the surface of the stratum corneum being involved in the process of skin formation and skin renewal. Having a very small size the Lipocapsules are transported deep into the skin where the active is then released and becomes fully effective.

## Azelaic Acid

Has a long history of use in cosmetics and has a very high safety profile. Azelaic Acid is a naturally occurring saturated dicarboxylic acid containing nine carbon atoms. Effects on the skin It is a superstar product with antibacterial, skin cell regulating, anti-inflammatory and skin-lightening properties. As antibacterial it works against multiple bacteria including the evil, acne-causing *Propionibacterium acnes* (*P. acnes*). Very few ingredients are proven to work against *P. acnes*, so this alone makes azelaic acid an

awesome choice for acne-prone skin. Skin lightening properties: It is extremely effective for post-inflammatory hyperpigmentation (that often comes with acne) and melasma.

## Uses

Azelaic Acid is THE Anti Acne product and as well very effective against rosacea.

## Recommended Usage Rate

0.5 – 1% Azelaic Acid in the formulation.

## Chemical Details

INCI: Azelaic Acid, CAS: 123-99-9

Appearance: Yellow to yellowish brown emulsion,

pH: 5.0-8.0

Origin: 100% Natural, extracted and purified from edible seeds

Content of Azelaic Acid: 30%

## Formulation advantages

- Can be formulated in the water or the oil phase
- Heat stable up to 50°C
- pH and shearforce tolerant
- best added at the end of the formula

## Logistics

Packaging: 1kg, 5kg, 25kg, Storage: in a dark and cool place (<25°C) Origin: China Manufactured by HRZ Rebtech