

Actives

PRODUCT DOSSIER

Azelaic acid-99P

READ MORE

<https://actives.beauticslab.tech>

July 2026

VERSION 1.01

BEAUTICS
LABORATORIES

PRODUCT DATA SHEET (PDS)

Azelaic acid-99P

Advanced Multifunctional Active for Brightening, Acne Care & Skin Rebalancing

1. Description

Azelaic acid-99P™ is a premium cosmetic-grade Azelaic Acid ($\geq 99\%$) designed to address multiple skin concerns through a unique combination of brightening, anti-inflammatory, keratolytic, and sebum-balancing properties. Naturally occurring as a saturated dicarboxylic acid, azelaic acid is recognized for its excellent skin compatibility and broad efficacy across acne-prone, oily, pigmented, and sensitive skin.

Unlike many exfoliating acids, Azelaic acid-99P selectively normalizes abnormal keratinization while helping preserve the skin barrier, making it suitable for long-term use in advanced skincare formulations. It effectively reduces post-inflammatory hyperpigmentation (PIH), minimizes blemishes, improves skin texture, and promotes a clearer, more even complexion.

Its multifunctional activity makes Azelaic acid-99P an ideal active ingredient for dermatological-inspired cosmetic formulations targeting acne, discoloration, rosacea-prone skin, uneven tone, enlarged pores, and excessive sebum production.

2. Mechanisms Of Action

2.1 Tyrosinase Inhibition & Pigmentation Control

Azelaic Acid selectively inhibits tyrosinase activity and reduces melanin synthesis, helping to improve the appearance of hyperpigmentation, dark spots, and uneven skin tone.

2.2 Antioxidant & Anti-Inflammatory Activity

It reduces oxidative stress and downregulates inflammatory mediators, helping to calm irritated skin and minimize redness associated with sensitive and blemish-prone skin.

2.3 Antimicrobial & Keratinization Regulation

Azelaic Acid inhibits the growth of acne-associated microorganisms and normalizes abnormal keratinocyte differentiation, helping to prevent clogged pores and improve skin texture.

PRODUCT DATA SHEET (PDS)

3. Applications

- Brightening serums
- Acne treatment creams
- spot correctors
- Anti-blemish gels
- Oil-control moisturizers
- Tone-evening emulsions
- Sensitive skin formulations
- Rosacea-support products
- Professional peel systems
- Dermatological skincare

4. Pharmaceutical Characterization

Parameter	Specification
Active Composition	Azelaic Acid
CAS No.	123-99-9
Molecular Formula	$C_9H_{16}O_4$
Molecular Weight	188.22 g/mol
Appearance	White crystalline powder
Purity	≥99%

5. Role in Cosmetic Formulations

Key Benefits

- Brightens uneven skin tone
- Helps reduce acne and blemishes
- Controls excess sebum production
- Reduces post-inflammatory pigmentation
- Supports healthy skin renewal
- Suitable for sensitive skin
- Dermatologically recognized active ingredient

PRODUCT DATA SHEET (PDS)

6. Formulation Considerations

6.1 Handling

- Handle in a cool, dry, and well-ventilated area away from excessive heat and humidity.
- Avoid prolonged exposure to air and moisture to maintain product quality.
- Use appropriate personal protective equipment (PPE), including gloves and eye protection, during handling.

6.2 Compatibility

- Works synergistically with:
 - Humectants (Glycerin, Propanediol, Butylene Glycol)
 - Hydrating agents (Hyaluronic Acid, Sodium PCA)
 - Niacinamide (commonly used together for brightening and barrier support)
 - Panthenol
 - Ceramides

7. Application Formats

Application	Use Level
Daily skincare	2–5%
Brightening products	3–10%
Acne formulations	5–10%
Professional cosmetic products	10–15%

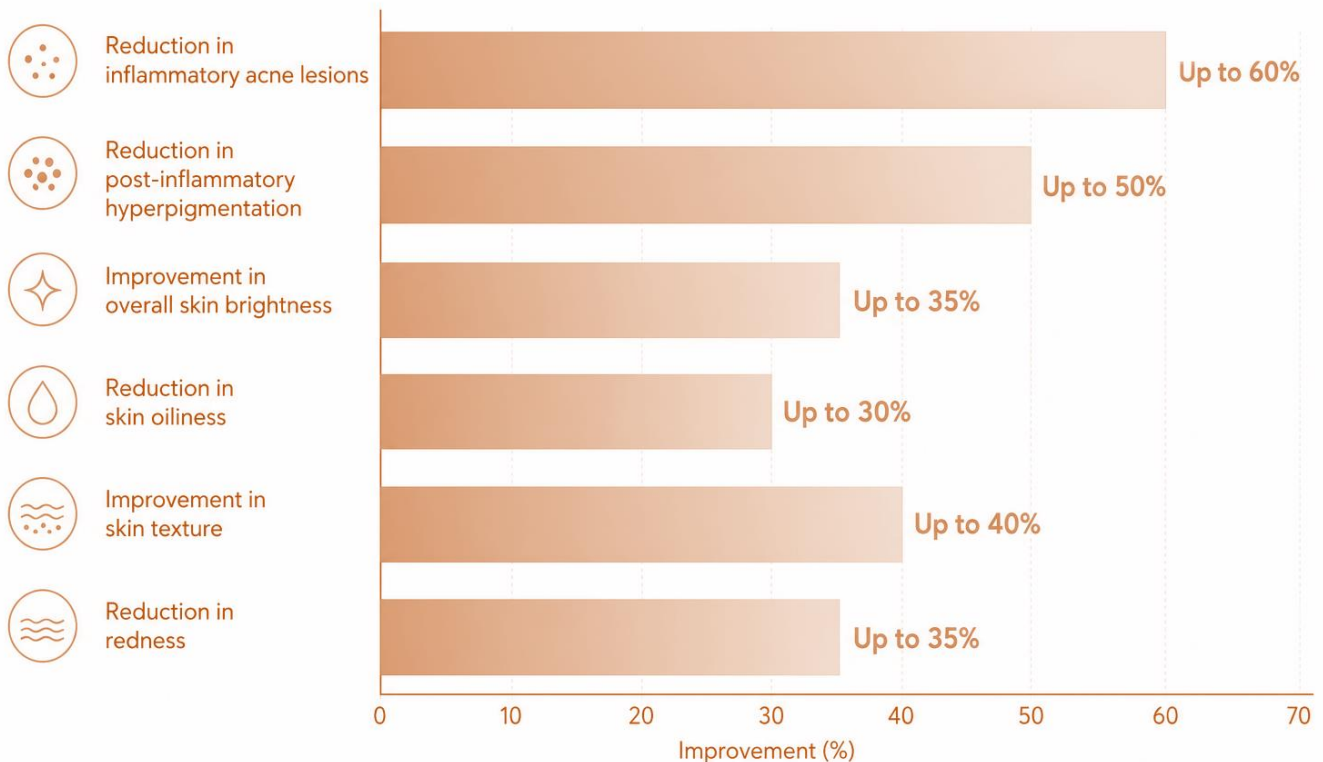
PRODUCT DATA SHEET (PDS)

8. Clinical Performance

Parameter	Improvement
Reduction in inflammatory acne lesions	Up to 60%
Reduction in post-inflammatory hyperpigmentation	Up to 50%
Improvement in overall skin brightness	Up to 35%
Reduction in skin oiliness	Up to 30%
Improvement in skin texture	Up to 40%
Reduction in redness	Up to 35%

AZELAIC ACID

Clinically Observed Improvements



Actives

CONTACT US



info@beauticslab.tech



<https://actives.beauticslab.tech>



Tel: +201069529529