

## FACT SHEET

### LIPONOL® XTEND

#### PRODUCT OVERVIEW

LIPONOL® XTEND is an advanced nanocarrier system designed to stabilize retinol and improve its delivery. Its polymeric matrix enhances deep skin permeation and extends retention time, ensuring controlled release. This technology maximizes retinol's skin-restoring effects, helping to smooth wrinkles, improve firmness, and address multiple signs of aging.

#### FEATURES AND KINETICS

- 2.2× better than standard liposomes
- Prolonged retinol stability
- Supports skin renewal & vitality
- Boosts collagen & elasticity
- Enhanced dermal permeation

#### MECHANISM OF ACTION

1. **Enhanced delivery:** Polymeric nanocarriers improve skin penetration and stabilize retinol.
2. **Collagen support:** Stimulates fibroblasts, boosts collagen/GAGs, and limits MMP activity.
3. **Skin renewal:** Promotes cell turnover, hydration, and visible rejuvenation.

#### KEY INGREDIENTS

- Liposomal Retinol

#### STORAGE CONDITIONS

- **Storage:** 2-8 °C (refrigeration strongly recommended). Avoid >25 °C and freezing.
- **Protection:** Store in airtight, opaque containers to protect from light and oxygen.
- **Handling:** Limit exposure to heat, air, and repeated opening to prevent degradation.

#### APPLICATIONS

- **Anti-aging & Renewal:** Reduces wrinkles, boosts turnover, and evens skin tone.
- **Barrier & Elasticity Support:** Enhances collagen, firmness, and resilience.
- **Advanced Formulations:** Ideal for stable, sustained delivery in creams, serums, and gels.