

FACT SHEET

SODIUM ASCORBATE (NaA)

PRODUCT OVERVIEW

Sodium Ascorbate (NaA) is a water-soluble, buffered form of Vitamin C with reduced acidity compared to ascorbic acid, making it gentler on the skin. It delivers potent antioxidant protection, supports collagen synthesis, and helps brighten skin tone. Once absorbed, it directly provides active Vitamin C, reducing oxidative stress and improving overall skin health.

FEATURES AND KINETICS

- Buffered, less irritating compared to pure ascorbic acid
- Directly active Vitamin C form with rapid onset
- Strong antioxidant and anti-pigmentation effect
- Supports collagen production and skin resilience

MECHANISM OF ACTION

1. Antioxidant defense: Neutralizes free radicals and protects skin from oxidative damage.
2. Collagen support - Promotes collagen synthesis, enhancing firmness and elasticity.
3. Skin brightening - Reduces melanogenesis and helps even skin tone.

KEY INGREDIENTS

- Sodium Ascorbate (NaA)

STORAGE CONDITIONS

- Storage: 15-25 °C; refrigeration (2-8 °C) recommended for enhanced stability. Avoid >30 °C.
- Protection: Store in airtight, opaque containers, away from light and moisture.
- Handling: Limit exposure to air, heat, and humidity to prevent oxidation and loss of potency.

Applications

- Antioxidant serums and creams for skin protection and brightening.
- Anti-aging formulations targeting collagen loss and elasticity.
- Combined systems with Vitamin E or ferulic acid for improved stability and efficacy.