

## Vitamin B3 (Niacinamide) PC

### Specification Sheet

**Description:** Niacinamide PC is a new upgraded form of niacinamide with a largely reduced amount of nicotinic acid which may cause unpleasant sensations of heat in the skin. Niacinamide is the water-soluble form of niacin, an essential vitamin of the B group, known as vitamin B3. Purity 99-100%.

**CAS:** 98-92-0

**INCI Name:** Niacinamide

**Composition:** Niacinamide

**Appearance:** White powder, odorless

**Benefits:**

- Contains only trace amounts of nicotinic acid. Does not cause unpleasant sensations of heat in the skin
- Can be used at lower pH and not just at pH >5.5 like regular niacinamide
- Has soothing activity useful for blemished skin
- Can improve the appearance of aged, hyperpigmented and photodamaged skin
- Can reduce the appearance of wrinkles and fine lines
- When combined with vitamin A palmitate, niacinamide showed enhanced skin lightening properties

**Use:** Add to water phase of formula or directly into a finished cream or cream base. Typical use level is 1-6 %, with 5% being a typical and effective concentration. For external use only. Avoid adding to an acidic product. Works also at pH level below 5.5. Should not be combined with l-ascorbic acid as they can cancel out each other. For external use only.

**Applications:** Products for blemished skin, lotions, creams, sun care & after sun products, makeup products, anti-aging products.

**Solubility:** Soluble in water, ethanol, glycerol

**Preservation:** Preservative-free

**Storage:** Store light-protected at a cool and dry place

**Country of Origin:** China

**Raw material source:** Starting material is 3-cyanopyridine

**Manufacture:** Niacinamide PC is synthesized via base-catalyzed hydrolysis of 3-cyanopyridine. The resulting product is then purified, removed of water, and spray-dried.

**Animal Testing:** Not animal tested

**GMO:** GMO-free

**Vegan:** Does not contain animal-derived components

**HS Code:** 2936291630