

## Bakuchiol

### Specification Sheet

**Description:** Retinol-like, 100% natural, anti-aging & anti-blemished skin compound extracted from the edible seeds of the Psoralea Corylifolia plant, a herb that is widely used in Indian as well as in Chinese medicine. Despite having no structural resemblance to retinol, Bakuchiol was found to have retinol functionality through retinol-like regulation of gene expression. > 99% purity. Molecular weight 256.38g/mol. Specific gravity <1.0.

**CAS:** 10309-37-2, 7732-18-5

**INCI Name:** Bakuchiol, Water

**Composition:** Bakuchiol, Water

**Appearance:** Light yellow to brown viscous liquid.

**Benefits:**

- Effective active agent against blemished and impure skin.
- Balances natural regulation of sebum production.
- Bakuchiol has anti-aging and anti-wrinkle properties by having retinol-like activities. Bakuchiol has been clinically demonstrated to reduce hyperpigmentation and wrinkles as efficiently as retinol.
- In in-vitro studies Bakuchiol has been found to stimulate collagen production and maintain the high level of elastin.
- Bakuchiol has excellent photochemical and hydrolytic stability and acts as stabilizer of retinol under photo-oxidative environment.
- In-vitro, Bakuchiol has anti-bacterial and anti-fungal activity.

**Use:** Add to the oil phase of emulsions. Do not heat to more than 50°C (122°F). Typical use level: 0.25 to 1%. Addition of a small amount of a chelating agent (e.g. 0.05% EDTA) is helpful in overcoming coloration issue due to the presence of iron or copper. pH of final product should be < 6.0. For external use only.

**Applications:** Anti-blemish skin products, face creams, lotions, anti-aging & anti-wrinkle products.

**Solubility:** Water-insoluble. Soluble in alcohol, DMSO, plant oils, triglyceride, silicone oils, and a wide-range of hydrophobic emollients.

**Preservation:** Preservative-free.

**Storage:** Store at room temperature.

**Country of Origin:** India

**Raw material source:** Edible seeds of the Psoralea Corylifolia plant

**Manufacture:** Bakuchiol is extracted and purified from the seeds of the Psoralea corylifolia plant.

**Animal Testing:** Not animal tested.

**GMO:** GMO-free

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

**HS Code:** 3504001000