

## Vitamin E (dl-alpha tocopherol)

### Specification Sheet

**Description:** Pure undiluted vitamin E, of synthetic origin, but nature identical. Ideal antioxidant for fats and oils. Activity 750 IU per 1 g solution (about 1 ml)

**CAS:** 10191-41-0

**INCI Name:** DL-alpha-Tocopherol

**Composition:** DL-alpha-Tocopherol

**Appearance:** Clear, viscous, oily liquid

**Benefits:**

- Potent antioxidant activity especially in cosmetic products but is less stable than dl-alpha-tocopheryl acetate
- Ideal to stabilize oils and fats in cosmetic products (prevents rancidity)
- Has excellent antioxidant, moisturizing and soothing properties on the skin
- Often used in anti-aging products as rejuvenating and regenerating agent

**Use:** 0.5-2.5% final concentration for skin effects, 0.1-1.0% for stabilizing oils in products. For external use only.

**Applications:** All kinds of skin care products, sun care products, makeup products, hair after-treatments preparations.

**Solubility:** Practically insoluble in water. Freely soluble in acetone, anhydrous ethanol, methylene chloride and in fatty oils

**Preservation:** Preservative-free

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

**Country of Origin:** China

**Raw material source:** Trimethylhydroquinone and isophytol



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**Manufacture:** DL-alpha tocopherol is produced synthetically by the condensation of 2,3,5-trimethylhydroquinone with isophytol in an inert solvent (e.g. benzene or hexane) with a catalyst such as zinc chloride.

**Animal Testing:** Not animal tested

**GMO:** GMO-free (does not contain plant-derived components)

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

**HS Code:** 2936280000