

## Vitamin E (dl-alpha tocopherol)

### Specification Sheet

**Description:** Pure undiluted vitamin E, of synthetic origin, but nature identical. Ideal antioxidant for fats and oils. Clear viscous brown liquid, faint odor. Soluble in alcohol & oil, water insoluble. Activity 750 IU per 1g solution (about 1ml).

**CAS:** 59-02-9

**INCI Name:** dl-alpha tocopherol

**Benefits:**

- Potent antioxidant activity especially in cosmetic products but is less stable than dl-alpha-tocopherol 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.

**Country of Origin:** USA

**Raw material source:** Trimethylhydroquinone and isophytol

**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