

Ascorbyl Palmitate

INCI Name: Ascorbyl Palmitate

CAS Numbers: 137-66-6

Description:

Ascorbyl Palmitate is a compound composed of Ascorbic Acid (Vitamin C) and palmitic acid, a naturally occurring fatty acid. Vitamin C, one of the most potent dietary antioxidants, provides optimal nutritional support to all physiological functions, including, notably, vascular and capillary integrity in support of the circulatory system. Ascorbyl palmitate is a fat-soluble antioxidant also used to increase the shelf life of vegetable oils and potato chips. The roles of vitamin C in promoting collagen synthesis and as an antioxidant have generated interest in its use on the skin. Ascorbyl palmitate is frequently used in topical preparations because it is more stable than some aqueous (water-soluble) forms of vitamin C.



Technical Data:

Items	Standards
Appearance	A white or yellowish white powder
Solubility	Clear
Assay (%)	98.0-100.5
Specific rotation	+21° to +24°
Loss on drying (%)	< 1.0
Sulphated ash (%)	< 0.1
Heavy Metals (ppm)	< 10

Applications:

Ascorbyl Palmitate is used in cosmetics and skin products because it promotes collagen synthesis and is an antioxidant. It promotes moisturization and anti-aging. It is also found as a dietary supplement. Further, it is used to increase the shelf life of some food products, like potato chips and vegetable oil.



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