

Licochalcone A 20

Description

Licochalcone A 20 is a premium extract derived from the roots of *Glycyrrhiza inflata*, a licorice species native to Asia known for its high concentration of bioactive flavonoids. Its active component, Licochalcone A, delivers multiple skin benefits.

It inhibits tyrosinase activity and reduces melanin formation, promoting a brighter and more even complexion. Additionally, Licochalcone A shows strong antibacterial properties, making it an excellent anti-inflammatory agent.

By neutralizing free radicals, Licochalcone A 20 provides powerful antioxidant protection against environmental stressors. It also helps prevent allergic reactions, leaving the skin calm and balanced. Perfect for cosmetic formulations with whitening, anti-oxidation, anti-inflammation, and anti-allergy functions.

Efficacy

- inhibits tyrosinase activity
- reduces melanin formation
- reduces inflammation
- provides antibacterial activity
- provides antioxidant protection
- reduces allergic responses

Appearance

yellow brown powder

INCI

Glycyrrhiza Inflata Root Extract

Registration

CAS-No.....-/-

EC-No.....-/-

Preservatives / Stabilizers

none



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Characteristics

assay of licochalcone A (HPLC).....>= 20 %
loss on drying.....<= 5 %
ash.....<= 0.5 %

Application

daily cosmetic products
creams and lotions

Application concentration

0.1 – 0.5 %

Incorporation

Licochalcone A (20 %) is soluble in ethanol and ethanol/water systems. In aqueous formulations, the active shows reduced but reversible solubility with a tendency to form turbidity at pH values below 6.5; therefore, a final formulation pH of ≥ 6.5 is recommended. For ethanol-free systems, pre-dispersion in pentylene glycol under elevated temperature is required to ensure complete solubilization and homogeneous distribution in the final product.

Toxicology

non hazardous in normal use concentration

Storage & Shelf life

Licochalcone A 20 should be stored in original sealed containers at temperature between 10 – 25 °C at a dry and light protected place.

In closed original containers the shelf life is 24 months.