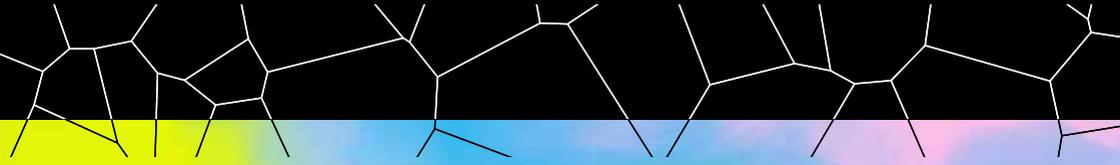


AAKO.



SOY ISOFLAVONE LIPOCAPSULES

- A well-known phytoestrogen stimulating collagen and hyaluronic acid production.
- Used firstly in traditional Korean folk medicine, manufactured with modern technology for product stability and ease of formulation.

AAKO.

Science

Our Lipocapsules are highest purity cosmetic actives encapsulated in a natural phospholipid. The poorly water soluble and unstable Soy Isoflavones are encapsulated and protected by the liposomes and are now stable and suitable for oil and water systems. The approximate particle size is less than 30 nm. The phospholipids interact with the surface of the stratum corneum being involved in the process of skin formation and skin renewal. Having a very small size the Lipocapsules are transported deep into the skin where the active is then released and becomes fully effective.

Soy Isoflavones

Isoflavones are polyphenolic compounds that are capable of exerting estrogen-like effects, i.e. they will weakly bind to the estrogen receptors. It is an active cosmetic ingredient derived particularly from soybeans. Fermentation of soybeans products results in the release of the sugar molecule from the isoflavone glycoside, leaving an isoflavone aglycone. Soy isoflavone aglycones are called genistein, daidzein, and glycitein, respectively. Modern science has found that soy isoflavones genistein and daidzein stimulate the synthesis of hyaluronic acid, preventing damage to the skin structure caused by natural loss of this structural component. Genistein induces collagenation in soft

tissue wound healing and inhibits tyrosine kinase, angiogenesis, and topoisomerase II.

Uses

Soy Isoflavones can compensate the lack of estrogen production and thus improve the skin moisture, the elasticity and thickness of skin. It is used in anti-aging products and products to alleviate menopausal syndromes.

Recommended Usage Rate

1–3% in the formulation.

Chemical Details

INCI: SOY ISOFLAVONES

CAS: 574-12-9

Appearance: Yellow to yellowish brown emulsion

Origin: 100% Natural

Content of Soy Isoflavones: 3%

Formulation advantages

- Can be formulated in the water or the oil phase
- Heat stable up to 50°C
- pH and shearforce tolerant
- best added at the end of the formula

Logistics

Packaging: 1kg, 5kg, 25kg, Storage: in a dark and cool place (<25°C) Origin: China
Manufactured by HRZ Rebtech