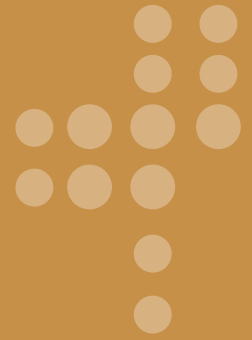


FLORANT-FG

- Bio-fermentation product for skin whitening -

Applicable products of FLORANT-FG
Skin care: Lotion, Toner, Cream, etc



What is FLORANT-FG ?

FLORANT-FG provides whitening effect by inhibiting expression of inflammation. Saponins are the major contributors for anti-inflammatory activity and its contents in FLORANT-FG were increased by RADIANT's advanced bio-fermentation technology

About "Ginseng flower"

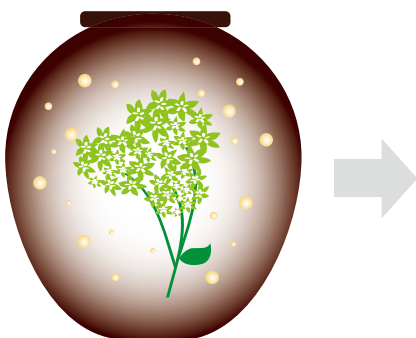


Common name	Korea ginseng, ginseng flower
Latin name	<i>Panax ginseng C. A. Meyer</i>

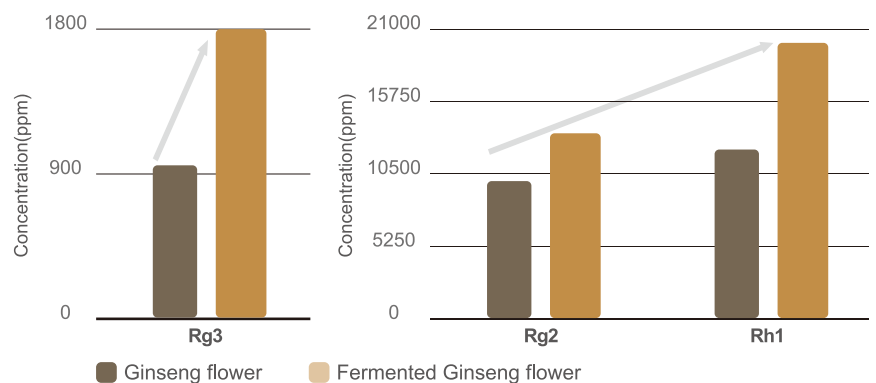
Ginseng flower contains useful ingredient like ginsenosides and has been used as a valuable medicine. RADIANT developed FLORANT-FG by maximizing ginseng flower's valuable function with advanced bio-fermentation technology.

Study of whitening effect by bio-fermentation

Bio-fermentation Technology



Increase the Whitening Effect



Through bio-fermentation, FLORANT-FG provide excellent whitening effect by increasing saponin contents like Rg3, Rg2, Rh1.

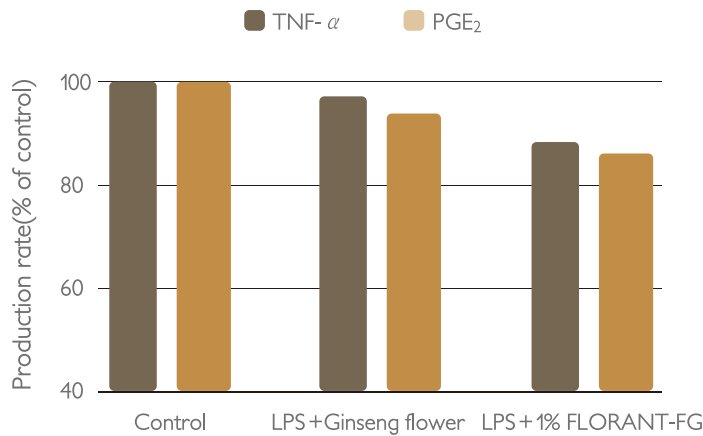
SPECIFICATION

INCI Name
Color
Preservative
Packing unit
Shelf life
Dosage

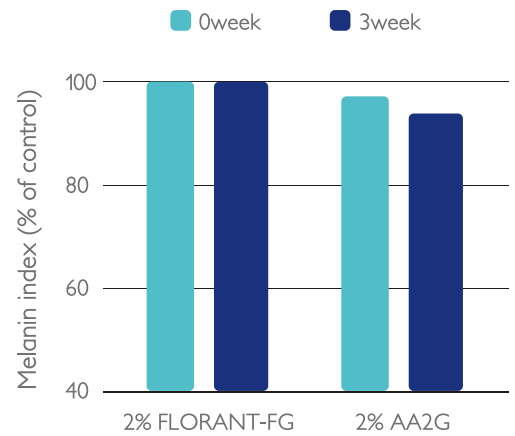
Water, Butylene Glycol, Saccharomyces/Panax Ginseng Flower Ferment Extract
Dark Brown
Non-added
5kg / 10kg / 20kg
2 years
0.5~2%

Main Biological Effects for Cosmetics

● Anti-inflammation effect



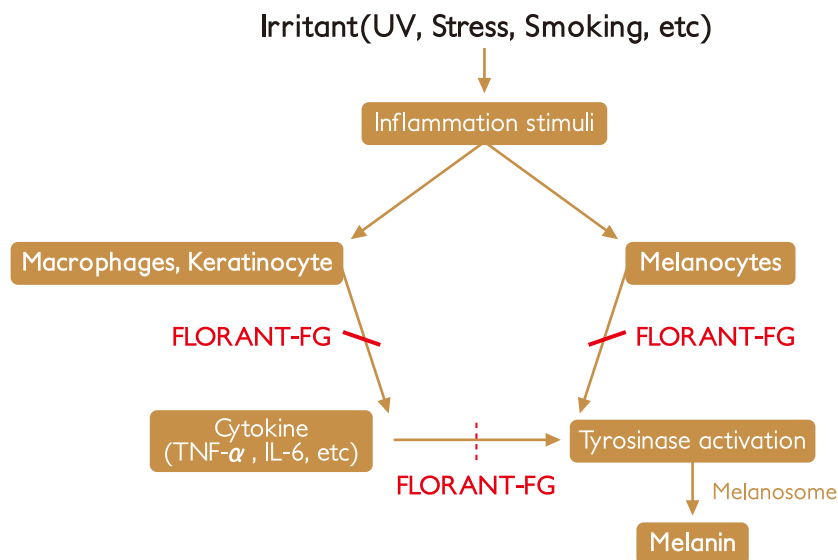
● Whitening effect



-In-vitro test : 1% FLORANT-FG inhibits production of PGE₂ and TNF- α which are inflammation factor.

- In vivo test : 2% FLORANT-FG showed good melanin inhibition after 3 weeks that similar with AA2G, a positive control.

● Proposed mechanism for FLORANT-FG



FLORANT-FG provides excellent whitening effect by regulating inflammation factors such as NO, IL-6, TNF- α , etc which induce inflammation.