**iWhite Glabridin**

**INCI Name (US):** Glabridin  
**INCI Name (EU):** Glabridin  
**CAS #:** 59870-68-7

**General Information/Characteristics:** Glycyrrhiza Glabra is used as a natural whitening emollient. It inhibits tyrosinase activity and oxidizing enzymes. This extract has been used as an anti-inflammatory and antioxidant since licochalcone-a molecule contained in licorice root extract- aids in controlling oil production and helps soothe acne-prone skin. Glabridin possesses similar abilities as SOD (Super Oxide Dismutase), meaning it can remove free radicals. Additionally, it has antioxidant properties similar to Vitamin E.

**Benefits / Application:**  
**Skin care benefits:**  
- Whitening/lightening effects.  
- Advantageous moisturization and oil production control.  
- Provides the skin with soothing action in acne treatment.  
- Imparts antioxidant action.

**Applications:**  
- Whiteners, moisturizers and tonics.  
- Restorative Gel masks, complexion correctors and anti-aging creams.  
- Anti-acne and anti-inflammatory topical treatments.

**Formulations Advices:** Dosage levels: 0.1-5%. Dissolved in ethanol, 1,3-propanediol and 1,3-butanediol.

**Regulatory Status:** No specific regulations.

**Physical-Chemical Properties:**  
- **Appearance:** Powder.  
- **Color:** Red-brown.  
- **Heavy metals (ppm)max:** 10  
- **Arsenic (ppm)max:** 2
Loss on drying (%): 5.0
Active content (%)min: 40

*These values indicate typical specification; they are not intended to be used as product specifications

Microbiology:
- Total of bacterial (CFU/g) max: 100
- Yeast and molds (CFU/g) max: 80

Additives:
- None.

Shelf Life / Storage Conditions:
- Keep container tightly closed. Keep container in a cool, dark and well-ventilated area.

Packaging:
- 1000g/Aluminum foil bag.