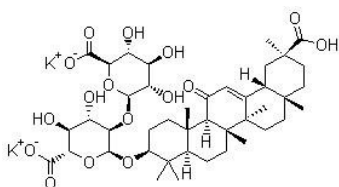


**Dipotassium Glycyrrhizate (DPG)** is a salt derived from an extract of the licorice plant. This humectant, personal care additive is highly conditioning, helping restore moisture balance, softness and elasticity to skin and hair.

DPG exhibits anti-allergy/anti-histaminic function, as well as anti-irritant and anti-inflammatory properties, to soothe and calm red, irritated skin. In addition, studies show DPG displays potential as a lightening / brightening agent as it has an inhibitory effect on tyrosinase activity and melanin production.



INCI Name:  
CAS Number:  
Typical Use Level:

Dipotassium Glycyrrhizate  
68797-35-3  
0.2~0.5%

## PROPERTIES

Appearance/Form	White to Pale Yellow Powder
Assay (as dry base, UV method)	≥99.0%
Odor	No Distinct Odor
Content (Total Solid)	≥93.0%
Loss on drying	≤7.0%
Residue on ignition	16.0~21%
pH (1% Aq.)	3.5~6.5%
Heavy Metals	<10.0 ppm
Arsenic	<2.0 ppm

## Conditioning, Soothing, and Hydration Benefits

- Improves appearance of dry or damaged skin by reducing flaking and restoring suppleness.
- DPG has oil-regulating properties that inhibit the secretion of excessive skin oil from the sebaceous glands.
- Conditioning, Soothing, and Hydration Benefits
- DPG promotes wound healing by relieving wound inflammation and encouraging formation of granulation tissue, new capillaries, and the overall process of tissue wound healing.
- Linked with preservation of hyaluronic acid in the skin.
- Functions as an emulsifier and gel-forming ingredient in cosmetics and skincare products
- DPG promotes the fading of dark spots when applied topically

## Application Concentrations<sup>\*</sup>

- Dermatological preparations: 1-2%
- Daily skin care: 0.20-1%
- After sun care products: 1%
- After shave products: 0.50%
- Cosmetics for oily skin: 0.50-1%
- Oral care products: 0.20-0.50%
- Shampoo for oily hair: 0.50- 1%
- Conditioner (leave on) for oily hair: 0.25-0.50%

\* all concentration amounts are approximates from most common industry usage of DPG. Ultimate concentration hinges on formulation / formulator discretion.

## Common Products with ARG-DPG

- Masks
- Serums & Essences
- Facial Moisturizer / Treatment
- Sunscreens / SPF
- Around Eye Cream
- Exfoliant / Scrub
- Facial Cleanser
- Moisturizer

The information provided is to our best present knowledge correct and complete and is given in good faith but without warranty. It remains the user's own responsibility to make sure that the information is appropriate and complete for his special use of this product.

April 13, 2023 rev.