

Scalpatron VGP

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Scalpatron VGP is a novel active ingredient specially developed for protecting scalp mildly and relieving scalp itchiness, extracted from 3 natural plants: *Vitex trifolia*, *Gentiana scabra*, *Polygonum multiflorum*. Their extracts exhibit potent efficacy of inhibiting secretion of Inflammatory mediators, protect scalp from lipid peroxide's irritation and solve scalp itching issue originally.

INCI Name:

Dipropylene Glycol, Water, Polysorbate 20, *Vitex trifolia* Fruit Extract, *Gentiana scabra* Extract, *Polygonum multiflorum* Root Extract

Features and benefits:

Inhibit the synthesis of related inflammatory mediator, and relieve scalp itchiness effectively;
Exhibit strong anti-oxidative ability, scavenge free radical and inhibit lipid peroxidation effectively.

Applications:

Used in all types of hair care products;

Water soluble. Suitable for shampoo, conditioner, hair tonic, hair dye, hair essence, hair mask, etc..

Specifications:

Appearance	Yellow transparent liquid
Odor	Characteristic odor
pH value (stock solution, 25°C)	4.5-6.5
Density (stock solution, 20°C)	1.00-1.10 g/cm ³
Refractive index (stock solution, 20°C)	1.360-1.460
Solid content	≥ 4.0%
Content of luteolin (HPLC)	≥ 0.15%
Colony number	< 100 CFU/ml
Yeast and molds	< 10 CFU/ml
Hg	< 0.1 mg/kg
As	< 0.1 mg/kg
Pb	< 5.0 mg/kg
Cd	< 1.0 mg/kg

Recommended use level:

0.5% - 3.0%.

Use method:

Add below 45°C, then stir until mix evenly.

Package:

10.0 kg/drum, 25.0 kg/drum.

Storage:

It shall be stored in a ventilated and dry warehouse with temperature not higher than 30°C and kept sealed and away from light.

Shelf life:

Two years.