

MELACTIVA™



Glowing tan accelerator

A natural source of melanin precursor: L-DOPA from Kapi Kacchu seeds.

For a stronger, deeper and longer lasting tan with less sun exposure.

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COSMETICS

Kapi Kacchu seeds

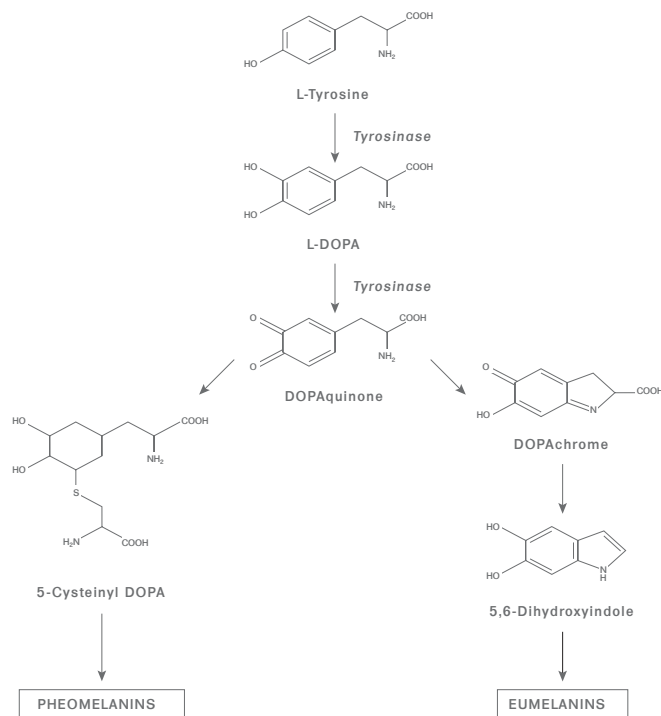
MELACTIVA™
is a natural tan
accelerator
extracted from
Kapi Kacchu seeds.
Its high L-DOPA
content (30%)
stimulates UV
induced
melanin production
and provides
a natural tan
to the skin.

Kapi Kacchu (*Mucuna pruriens*) is an Asian plant of the *Fabaceae* family. Also known as velvet bean, it bears white, lavender or purple flowers and pods that are covered in orange hairs. Naturally rich in 3,4-dihydroxy-L-phenylalanine (L-DOPA), the seed powder is used in Indian ayurvedic medicine to fight Parkinson's disease¹ and other disorders.

Supplementing the skin with a natural melanin precursor: L-DOPA

A tan is the result of an over-production of a dark pigment, melanin, caused by UV stimulation.

Melanin is synthesized in melanocytes from tyrosine through a complex multi-step biochemical reaction called melanogenesis. In the presence of tyrosinase enzyme, tyrosine is first oxidised to L-DOPA, and then to DOPAquinone. From that point, two kinds of melanin are formed: red/yellow pheomelanins and brown/black eumelanins. Pigments, transferred from melanocytes to keratinocytes, tan the skin when they arrive at the surface of the epidermis.



Therefore as well as tyrosine and its derivatives, L-DOPA is another efficient substrate for the synthesis of melanin².

**CONCENTRATED AT 30% OF L-DOPA,
MELACTIVA™ BRINGS A NEW SUBSTRATE TO
MELANOGENESIS AND ACCELERATES THE
APPARITION OF A NATURAL TAN.**

References

- 1- Katzenschlager R, *et al*, *Mucuna pruriens* in Parkinson's disease: a double blind clinical and pharmacological study. *J Neurol Neurosurg Psychiatry* 2004;75:1672-77.
- 2- Andrzej Slominski *et al*, Melanin pigmentation in mammalian skin and its hormonal regulation. *Physiol Rev.* 2004, 84:1155-1228.



SPECIFICATIONS

INCI Name	Mucuna pruriens seed extract (and) Maltodextrin
Appearance	Beige to grey powder
Formulation	Add below 40°C Avoid chelating agents Stabilize with ascorbic acid, citric acid or N-acetyl cysteine

Dosage	0.5%
Optimum pH	4-5
Application	Tan preparing care, sun care, after sun care, radiant day care

RADIANT MOISTURIZER

INGREDIENT	INCI NAME	%
A Deionised water Butylene glycol Satiaxane CX 91 EMULMETIK™ 300*	Water Butylene glycol Xanthan gum Lecithin	up to 100 3.00 0.50 2.00
B DERMOFEEL™ PS* DERMOFEEL™ TOCO 70 NON GMO* DERMOFEEL™ BGC* DC 345 DC 9045	Polyglyceryl-3 stearate Tocopherol Butylene glycol dicaprylate/dicaprate Cyclopentasiloxane Cyclopentasiloxane (and) Dimethicone crosspolymer	2.00 0.30 4.00 3.00 3.00
C Pigments dispersion 50%	/	13.00
D RIBOXYL™ *	Ribose	0.50
E Deionised water MELACTIVA™ * Ascorbic acid	Water Mucuna pruriens seed extract (and) Maltodextrin Ascorbic acid	5.00 0.50 0.10
F DERMOSOFT™ 1388*	Fragrance	5.00
G SJ Touch 1	Polymethyl metacrylate	3.00

pH : 4.0 - 4.5 - Viscosity: 10000 - 20000 mPa.s

TANNING SUN CREAM

INGREDIENT	INCI NAME	%
A Deionised water Eusolex UV pearl	Water Water (and) Ethylhexyl methoxycinnamate (and) Silica (and) PVP (and) Chlorphenesin (and) BHT	up to 100 15.00
B HELIOGEL™ * DERMOFEEL™ GSC* DERMOFEEL™ BGC* Parsol 1789 Cetiol SN Crodamol W Phenonip	Sodium acrylates copolymer (and) Hydrogenated polyisobutene (and) Phospholipids (and) Polyglyceryl-10 stearate (and) Helianthus annuus (sunflower) seed oil Glyceryl stearate citrate Butylene glycol dicaprylate/dicaprate Butyl methoxydibenzoylmethane Cetearyl isononanoate Cetearyl heptanoate Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Butylparaben (and) Propylparaben (and) Isobutylparaben	3.00 0.50 3.00 3.00 2.00 2.00 0.70
C Deionised water MELACTIVA™ * Ascorbic acid	Water Mucuna pruriens seed extract (and) Maltodextrin Ascorbic acid	5.00 0.50 0.20
D Citric acid solution 25%	Water (and) Citric acid	up to pH
E SUPREM™ ACTIV POMEGRANATE*	Water (and) Glycerin (and) Punica granatum juice extract (and) Prunus amygdalus dulcis (sweet almond) oil (and) Punica granatum seed oil (and) Lecithin (and) Glyceryl stearate (and) Xanthan gum	3.00
F MONOÏ 3036*	Fragrance	0.30

pH: 4.0 - 4.5 - Viscosity: 40000 - 50000 mPa.s

* Distributed by Lucas Meyer Cosmetics.

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