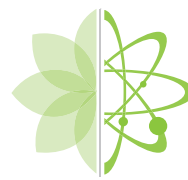




COSMOS  
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LIFE TECHNOLOGIES



# PHYTO-COMPLEX TAN

(Tan activating Plant Complex)



Daucus Carota



Angelica Archangelica



Melilotus officinalis



Coumarouna odorata

## DESCRIPTION:

Synergic vegetal complex obtained by ultrasonic waves at low temperature. Phyto-Complex TAN is a balanced combination of plant extracts formulated to intensify tan, enhance skin radiance and nourish the skin at the same time.

## COMPOSITION:

- Daucus Carota
- Angelica Archangelica
- Melilotus officinalis
- Coumarouna odorata

## COSMETIC INTEREST:

Phyto-Complex TAN is used as activator of melanin synthesis and consequently increase the tan. It can be easily added to creams, gels, tonics, body lotion.

## ACTIVITY:

tanning activator, soothing, moisturizing..

## INCI NAME:

Daucus Carota Sativa Root Extract, Angelica Archangelica Root Extract, Melilotus Officinalis Extract, Dipteryx Odorata Seed Extract, Glycerin, Aqua.

## INCI NAME (CTFA):

Daucus Carota Sativa (Carrot) Root Extract, Angelica Archangelica Root Extract, Melilotus Officinalis (Sweet Clover) Extract, Dipteryx Odorata Seed Extract, Glycerin, Water.

CAS N°: 84929-61-3, 84775-41-7, 84082-81-5, 90028-06-1, 56-81-5

EINECS N°: 284-545-1, 283-871-1, 282-028-5, 289-793-4, 200-289-5

## SPECIFICATION:

Density (at 20° C):	1,12 ± 0,010
pH:	6,0 ± 0,5
Dry matter:	3 – 5%
Appearance:	Clear liquid
Colour:	Dark amber
Odour:	Slight aromatic
Refractive index:	1,40 – 1,44
Bacteria:	< 100 germs/ ml
Yeast & Moulds:	< 10 germs/ ml

## PRESERVATIVE:

Benzyl Alcohol (0,6%), Sodium Benzoate (0,18%), Potassium Sorbate (0,12%)

## SOLUBILITY:

Soluble in water phase

## RECOMMENDED USAGE:

Use level: 3-5%

Formulating pH range: any value

Formulating temperature range: 20 to 75°C

# PHYTO-COMPLEX TAN (Tan activating Plant Complex)



## CERTIFICATION STATUS:

Natural product  
 ECOCERT Approved  
 COSMOS Approved  
 GMOrganisms  
 Not tested on animals

## SAFETY & TOXICITY

Reference COMMISSION REGULATION (EC) No 987/2008 of 8 October 2008 amending Regulation (EC) No 1907/2006 of the European Parliament and of the Council on the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH):

- non-irritating
- non-toxic

## PACKAGING:

10 kg Plastic drum

## SHELF LIFE:

18 Months away from light and heat source, closed containers.

## CLAIM SUBSTANTIATION:

### IN VIVO: Evaluation of tanning effect

The study was carried out on 18 volunteers divided in three groups and subjected to exposure with solar lamps for 2 weeks: the 1st group treated with a cream containing 5% Phyto-Complex TAN; the 2nd group treated with the same cream but without Phyto-Complex TAN; the 3rd group without any treatment. Melanin Index and the color skin parameters coded in the CIE-Lab color space (CIE L\*,a\* and b\*) were determined by SkinLab Combo (DERMALAB SERIES-Cortex Ltd) Data shows as Phyto-complex TAN is able to increase tan effect of 23% determined as melanin index.

