

Active Beauty  
Vegetan<sup>®</sup> FL Creation  
DHA for a natural self-tan

Crafted by white technology



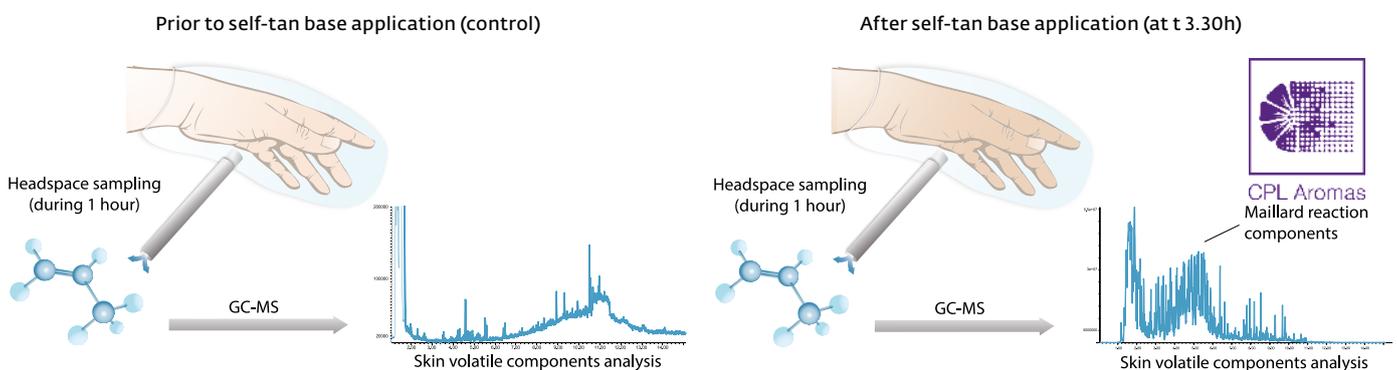
# Focus on the product

One of the main reasons that puts people off using self-tanners is the smell associated with the tanning process. Indeed, the Maillard reaction producing the browning effect, generates molecules with an unpleasant odor. Vegetan® FL Creation is a subtle blend of Aromaguard™ technology (by CPL Aromas), dihydroxyacetone (DHA), surfactants and solubiliser. It is the turn-key solution to get a nice glow and cover the odor generated by tanning process.

## Odor identification and counteraction

### Odor sampling

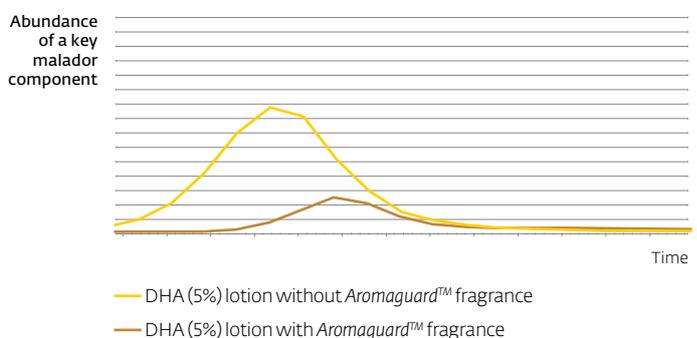
The Thermal Desorption is an innovative analytical technology which, combined with Headspace Sampling technology, allows the quantification of the volatile organic components. Odor components are measured on the hand before and after DHA application with a sorbant containing a thermal desorption tube and a pump.



### Odor counteraction

After identification, Aromaguard™ fragrance technology is used to counteract the malodor molecules.

**Results:** Aromaguard™ fragrance technology **reduces** the level of perception of the key malodor components.



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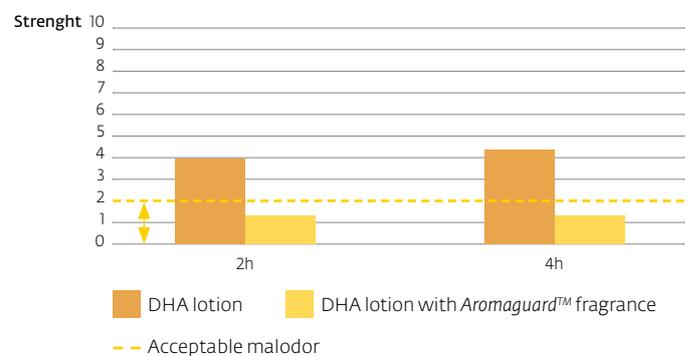
## Performance evaluation (*in vivo* test)

A panel of 12 experts blind tested on the forearms two lotions with or without Aromaguard™ fragrance and scored.

The malodor perception on a 10 points scale at different times:

- ▶ 0 No malodor
- ▶ 2 Very slight malodor
- ▶ 4 Noticeable malodor
- ▶ 6 Strong malodor
- ▶ 8 Very strong malodor
- ▶ 10 Overpowering malodor

**Results:** The malodor perception is strongly reduced when DHA is associated with Aromaguard™ fragrance.

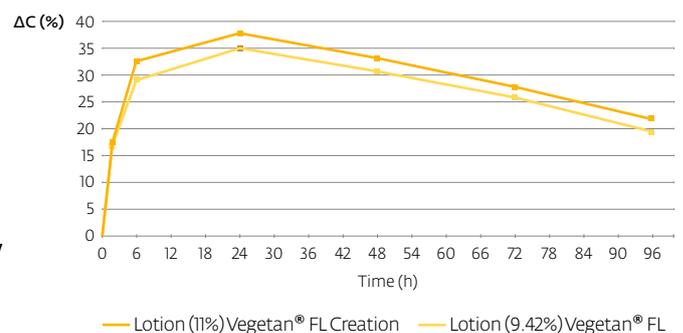


## Vegetan® FL Creation performance (*in vivo* test)

A panel (15 volunteers) applied on the inner forearms two lotions at isoconcentration of DHA (5.65%).

**Results:** There is no significant difference in skin coloration and saturation between the two lotions.

Vegetan® FL Creation preserves the coloration of DHA efficacy while controlling the application odor during coloration.



# Summary



## Technical information

INCI name:	Dihydroxyacetone (and) Water
Preservation:	Preservative free
Dosage:	2-15%
Appearance:	Liquid
Solubility:	Water soluble

## Claims

Applications:	Self-tanning creams, glowing products, lotions and sprays, gels, mousses, wipes.
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## Givaudan Active Beauty Sales Offices

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