

DPPH TEST  
COMPARING TANNIC  
[CF] SERUM vs.  
REFERENCE SERUMS



ALPHASCIENCE

INNOVATIVE • SKIN • SCIENCE

# MARKET LEADING SERUMS AND THEIR ACTIVE INGREDIENTS

SERUM 1

- 15% L-Ascorbic Acid
- 1% Alpha Tocopherol
- 0.5% Ferulic Acid

SERUM 2

- 15% L-Ascorbic Acid
- 1.5% Vitamin E + peptides
- 0.5% Ferulic Acid

SERUM 3

- 8% L-Ascorbic Acid

# ALPHASCIENCE TANNIC [CF] SERUM

## COMPOSITION

- 10% stabilized L-Ascorbic Acid
- 3rd Generation Vitamin C
- 2% Tannic Acid
- 0.5% Ferulic Acid

## INNOVATION

- NextGen® Technology
- Fragrance-free
- Preservative-free
- Alcohol-free
- Hydroquinone-free

## PRODUCTION

Tannic [CF] Serum is made in France formulated by Dr Alfred MARCHAL.

## RESULTS

- Softer and more elastic skin 98%
- Smoother skin 75%
- Firmer skin 75%
- Clearer skin 70%

Clinical study under dermatological control, 22 women average age 59, application once a day during 4 weeks.



# MEASURING METHOD

METHOD

- DPPH method
- Spectrophotometer
- 3 market leader serums

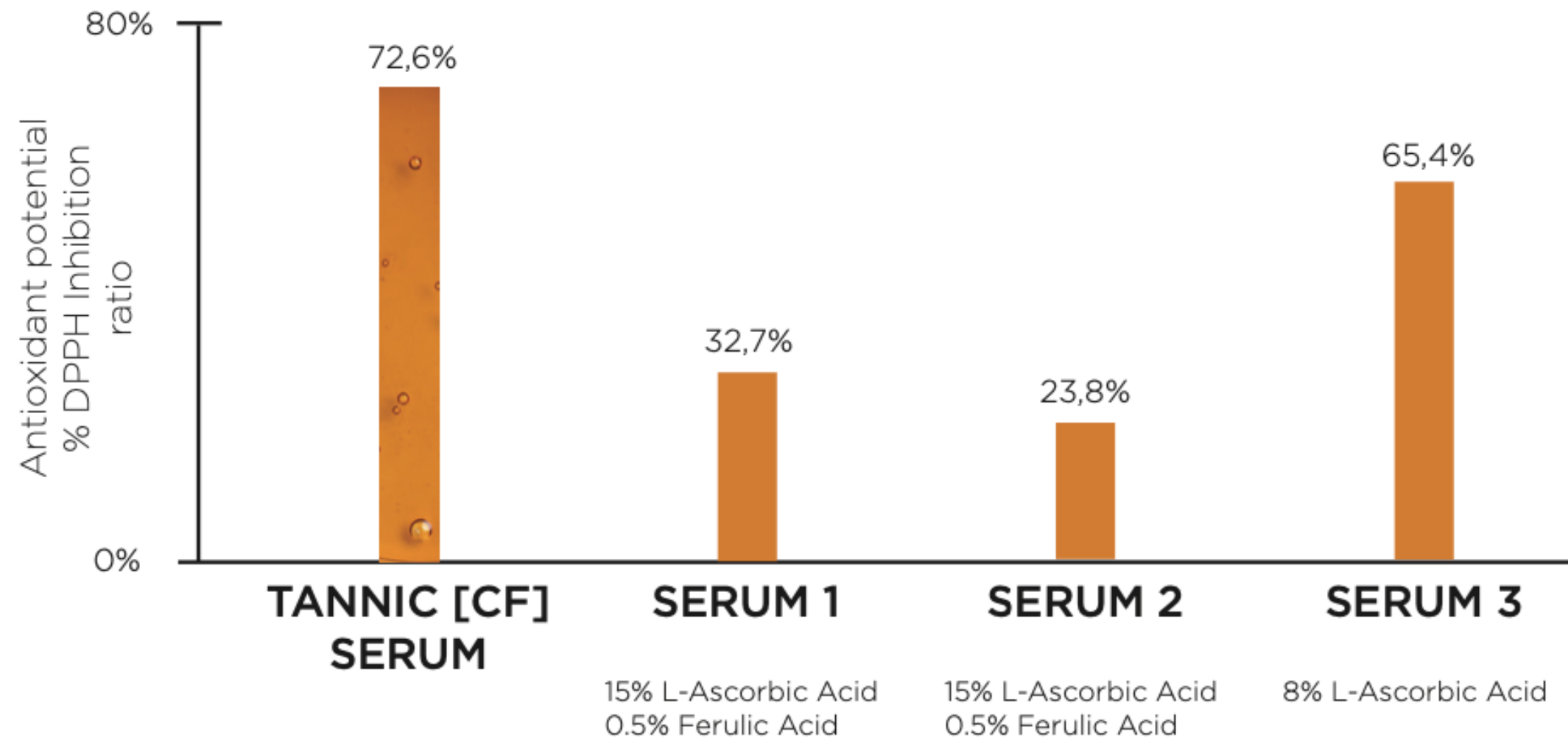
METHOD

The DPPH method is the most commonly used antioxidant assay. An antioxidant will react with DPPH• (2,2-diphenyl-1-picrylhydrazyl,  $\lambda_{\max}=517$  nm) causing the discoloration of the molecule.



# ANTIOXIDANT CAPACITY

Antioxidant potentials of TANNIC [CF] SERUM vs. the reference Vitamin C serums of the market in the Organic Chemistry laboratory of the Mons University, Belgium



# ALPHASCIENCE

91 Rue du Faubourg Saint-Honoré  
75008 PARIS France

[contact@alphascience.com](mailto:contact@alphascience.com)

[www.alphascience.com](http://www.alphascience.com)