MSH WHITE[™]

In low doses, MSH WHITE™, doubles the

lightening action of ascorbyl glucoside

D84

· D-Squame (D84/D0): decrease of melanic pigments located in corneocytes

• D-Squame (D84/D0)[•] decrease of melanic

(0.2%)+

+ 0.35**^(a)

****Protocol 2**: Study conducted on 60 Asian volunteers/ application on the face, 2 times per day for 84 days, using the EU07205 formula (placebo / 2% ascorbyl glucoside /

2% ascorbyl glucoside + 0.2% MSH WHITE™)

pigments located in corneocytes

After 2 months, MSH WHITE™ significantly boosts the ascorbyl

ascorbyl glucoside (2%)

L* (skin luminosity):

· Ascorbyl glucoside (2%) L*: +0.21 (not significant (b)

**p < 0.01 (a) significant esult/placebo (b) non-significant esult/placebo

NEW

-7%

NEW

■ MSH WHITE™ (0.2%)+ Ascorbyl glucoside (2%)

Macrophotographs

Ascorbyl glucoside (2%)

Macrophotographs

Protocol 2"

glucoside action

Protocol 2"

· MSH WHITE™

D0



α-MSH antagonist

- Tyrosinase inhibition
- Youth revealing complex

100% lighter age spots^{*}

73% fewer age spots*

83%

more radiant complexion*

100%

more even toned complexion*



Strong lightening action of MSH WHITE™ at 2% for a uniform complexion

- · Lighter areas of hyperpigmentation Clinical evaluation at 2 and 3 months: > **80%** of volunteers
- · Skin significantly lightened 66% of volunteers Melanin index of pigmented areas:

-3 (D56/D0) 4** (D84/D0)

· D-Squame: decrease of melanic pigments located in corneocytes



Protocol 1

After 2 months, MSH WHITE™ at 2% significantly **increases** the luminosity of the complexion (L*) for 73% of volunteers

Protocol 1'

* Protocol 1: Study conducted on 30 Asian volunteers/application on the face, 2 times per day for 84 days, using the 6911 formula (2% MSH WHITE™)

*p < 0.05 ** p < 0.01

Super-fast action: in 7 days, MSH WHITE™ is the only active ingredient presenting lightening activity & visible radiance of the complexion

	MSH WHITE™	Arbutin	Kojic acid	Hydroquinone
• Lightening action (amount of melanin/control)	-24%	-24%	-33%	-9%
 Illuminating action on the complexion (L* variation/control) 	+9%	-1%	0	-2%

Protocol : topical application of active ingredients in formula on reconstructed epidermis of phototype IV MSH WHITE™ or arbutin or kojic acid: 2% - hydroquinone: 0.1%

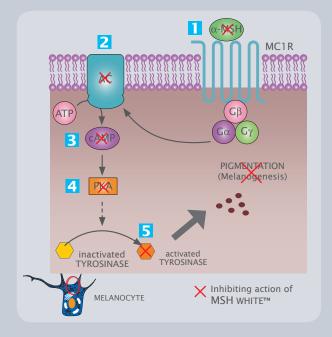
ID card

- INCI Name: undecylenoyl phenylalanine
- Pure active ingredient (white powder)
- Lipoaminoacid: vectorized essential amino acid
- Amphiphilic Structure: excellent cutaneous bio-affini
- Can be formulated in all kinds of products **Dose:** from 0.2% (in combination) to 2% (alone)
- Non-phototoxic
 - (for use in sunscreen)
 - Preservative-free
 - ECOCERT
 - Biodegradable



A UNIQUE MODE OF ACTION: tyrosinase metabolic inhibition Inhibits key steps in the α -MSH induced **melanogenic cascade**





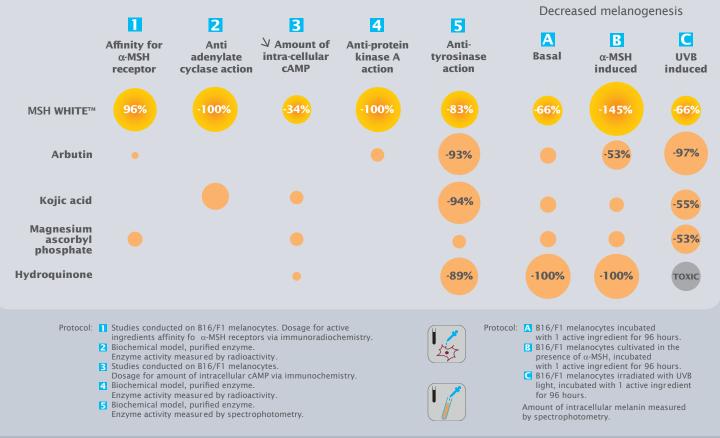


culture*

*5 days



Superior activity versus benchmark lightening agents



Nota:

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