

Elage

SAFE AND STABLE
SKIN LIGHTENER

- ✓ *Nature-derived & nature identical*
- ✓ *High purity $\geq 99\%$*
- ✓ *Skin radiance enhanced & spot removal*
- ✓ *INCI: Ellagic Acid*



MINASOLVE
BIO-INGREDIENTS FOR YOUR APPLICATIONS

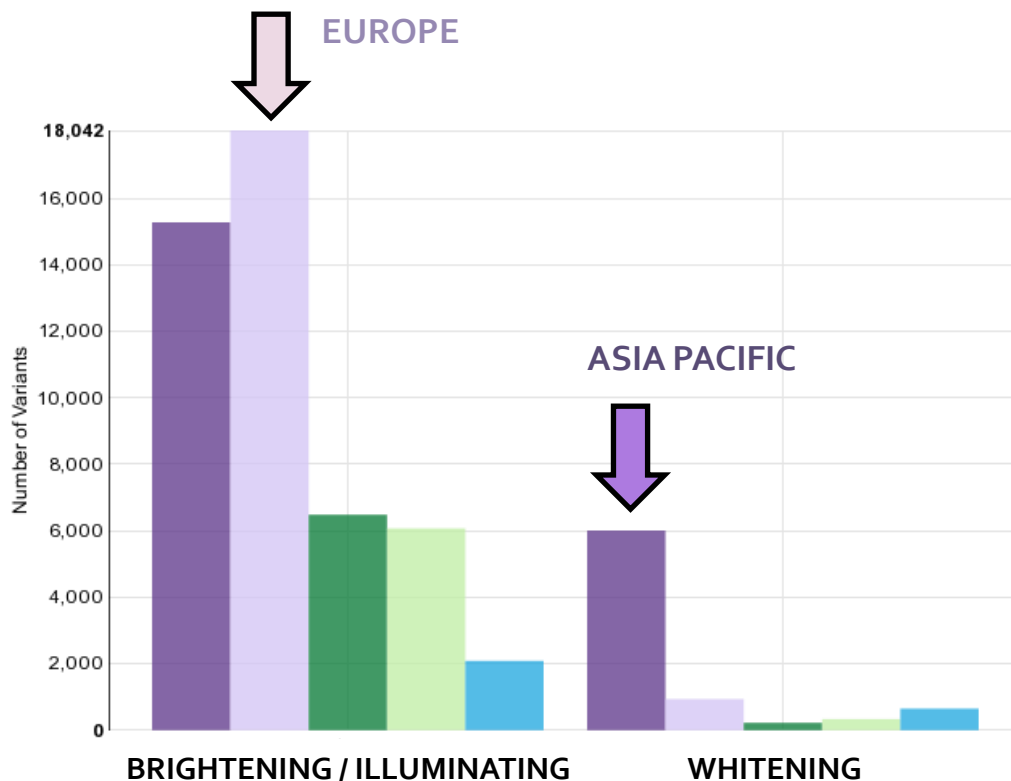
green
solving
attitude.

Claims “WHITENING” & “BRIGHTENING/ILLUMINATING” on Beauty & Personal Care Products



March 2018

2012 - 2017, Claims vs Regions



Search criteria

where **Super-Category** matches Beauty & Personal Care

where **First Launch Only**

and **Launch Type** matches one or more of (New Formulation, New Product)

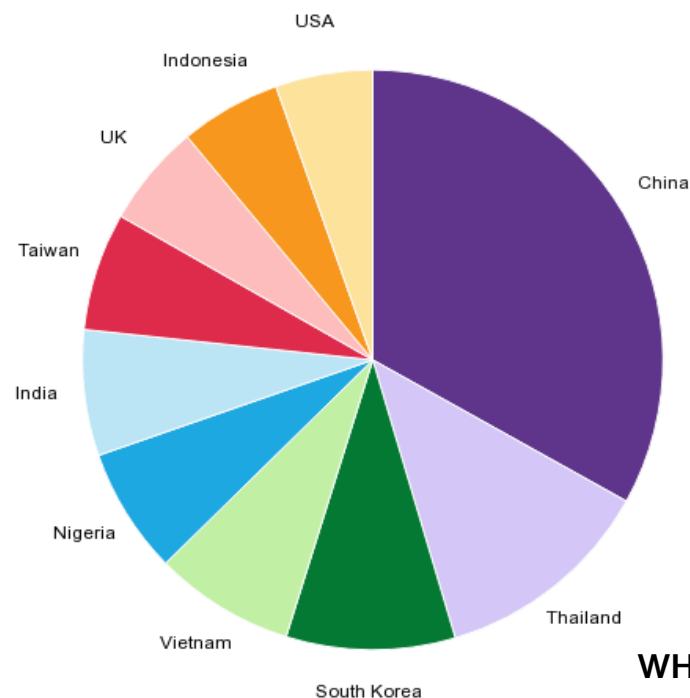
and **Claims** matches one or more of [Brightening / Illuminating*, Whitening] as the claim

Claims “WHITENING” & “BRIGHTENING/ILLUMINATING” on Beauty & Personal Care Products

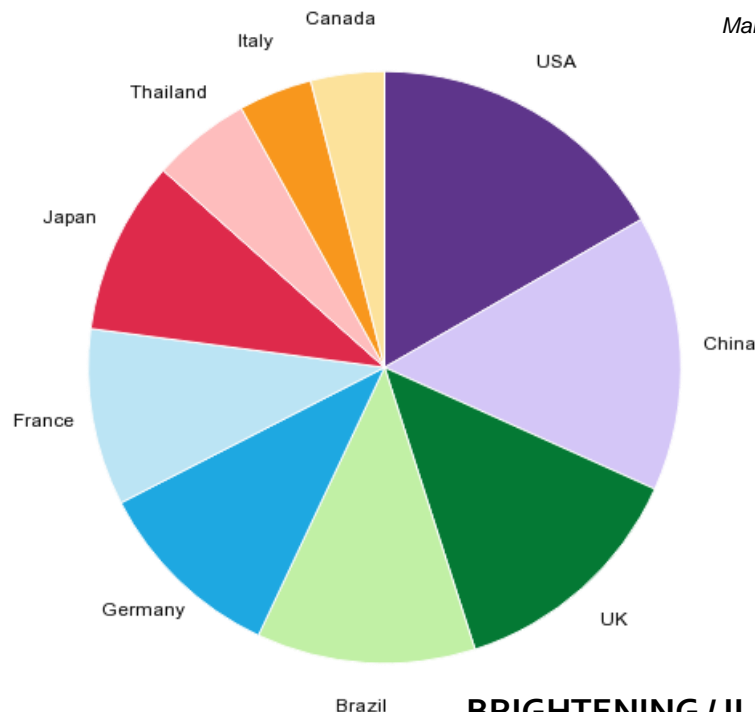


March 2018

2012 - 2017, Countries



WHITENING



BRIGHTENING / ILLUMINATING

➡ China is the main market for whitening claim products

➡ In Europe: UK, Germany, France and Italy are the main markets for « brightening / illuminating » claim products

Search criteria
where **Super-Category** matches Beauty & Personal Care
and **First Launch Only**
and **Launch Type** matches New Product
and **Claims** matches Whitening & Brightening/Illuminating as the claim
Elage presentation – March 2019- V5

Claims “WHITENING” & “BRIGHTENING/ILLUMINATING” on Beauty & Personal Care Products

■ 2012 - 2017, Ultimate companies

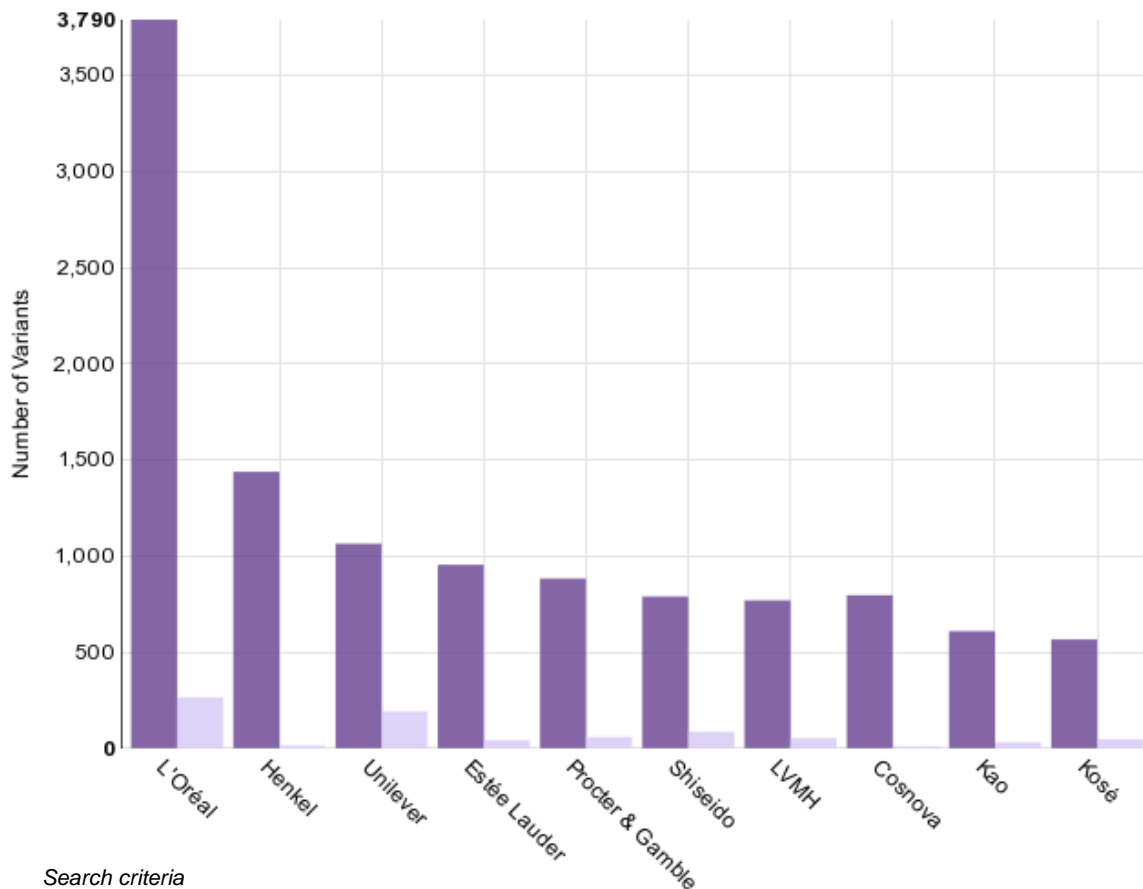


March 2018

● Brightening / Illumina...
● Whitening

TOP 10 COMPANIES:

L'Oréal
Henkel
Unilever
Estée Lauder
Procter & Gamble
Shiseido
LVMH
Cosnova
Kao
Kosé



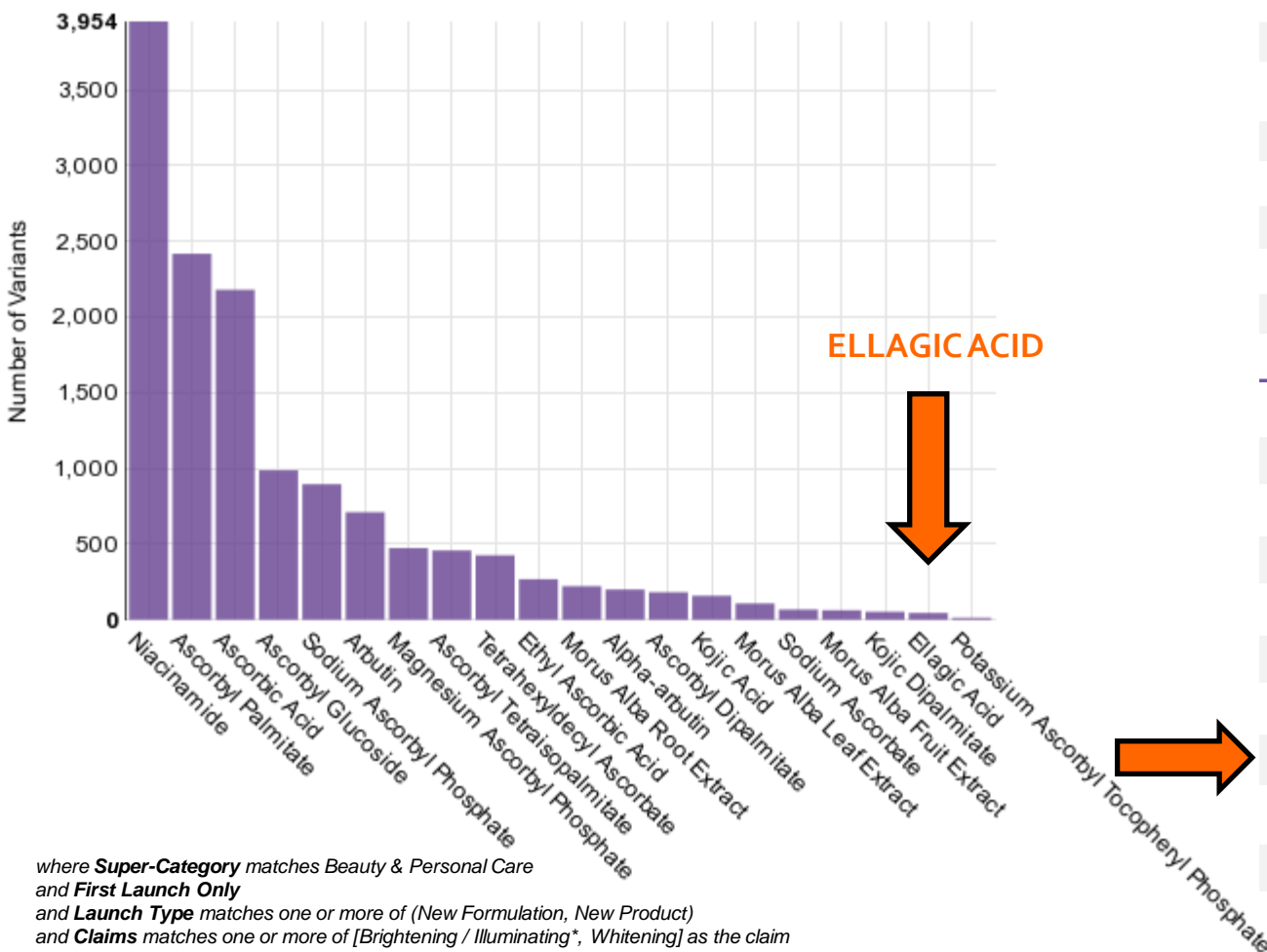
Search criteria
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Claims “WHITENING” & “BRIGHTENING/ILLUMINATING” on Beauty & Personal Care Products

March 2018



2012 - 2017, Main ingredients among Tyrosinase Activity Inhibitors



Ingredient	Number of Variants
Niacinamide (Non-Food)	3954
Ascorbyl Palmitate (Non-Food)	2419
Ascorbic Acid	2181
Ascorbyl Glucoside	988
Sodium Ascorbyl Phosphate (Non-Food)	896
Arbutin	711
Magnesium Ascorbyl Phosphate	474
Ascorbyl Tetraisopalmitate	458
Tetrahexyldecyl Ascorbate	426
Ethyl Ascorbic Acid	268
Morus Alba Root Extract	222
Alpha-arbutin	200
Ascorbyl Dipalmitate	182
Kojic Acid	159
Morus Alba Leaf Extract	108
Sodium Ascorbate (Non-Food)	68
Morus Alba Fruit Extract	63
Kojic Dipalmitate	53
Ellagic Acid (Non-Food)	45
Potassium Ascorbyl Tocopheryl Phosphate	9
Total Sample	56094

Ellagic Acid

- Ellagic Acid:

Polyphenol naturally occurring in fruits

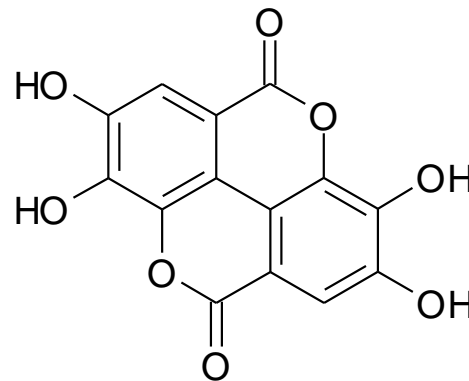


- **Minasolve proposition:**

100% nature identical and nature-derived

Origin: Gallic Acid, 2 sourcing :

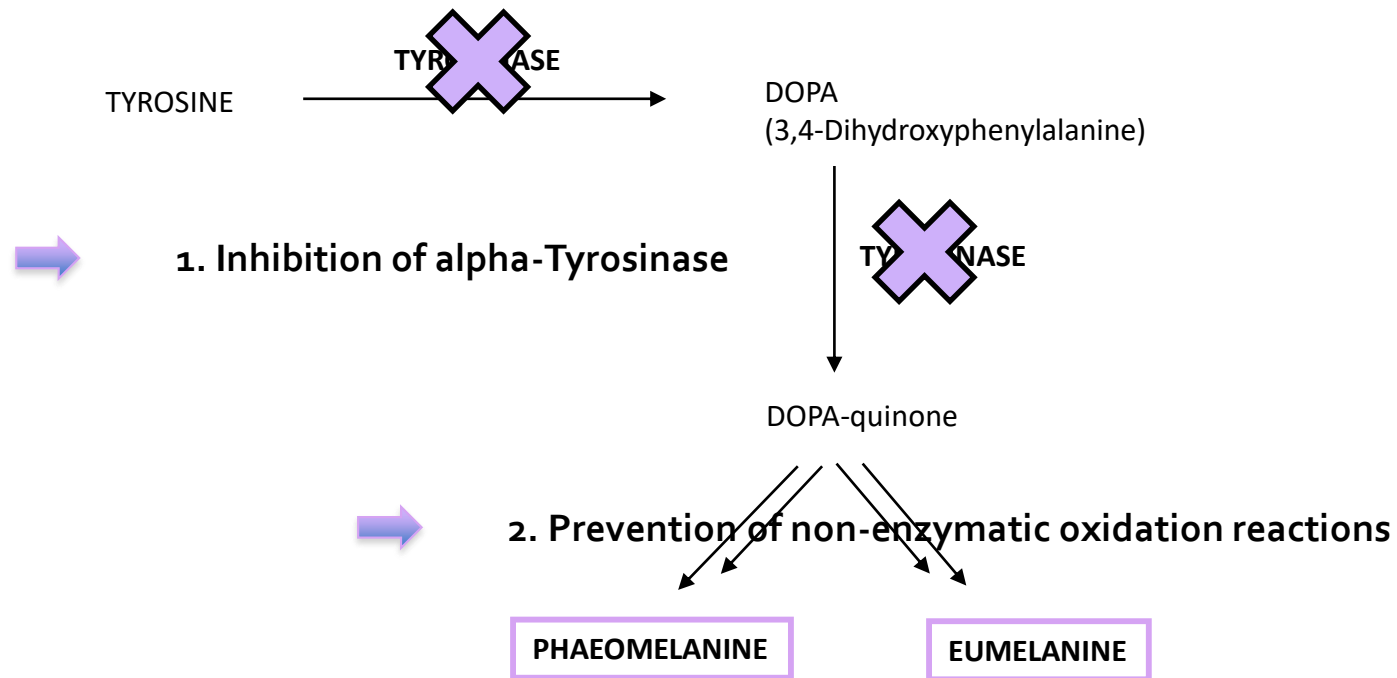
- Galnuts from China
- **Tara pods from Peru**



➡ Highly pure grade: ≥ 99%

Ways of melanogenesis

ELAGE: 2 MECHANISMS OF ACTION



ELAGE slows down melanin production

Efficacy test

Aim of the study:

Evaluate skin lightening effects of Elage, formulated into a skin cream

Formulation tested:



O/W emulsion, 0.5 % Elage

Application 2 times/day during 28 days

Comparison Day 28 v/s Day 0

Test carried out at PhD Trials, Lisbon

Evaluation in subjects of the depigmentant efficacy of a cosmetic product

Checking of its compatibility and acceptability after application under normal conditions of use

Objective assessment of its quality and efficacy

Report V1 February 27th, 2015_Study Code 2161114.A_Product FN2-EL-BCr3-P51 "Lightening Cream"_PhD Trials, Lisbon

Use test with clinical control by a dermatologist with instrumental evaluation

Efficacy test

In Vivo-Test for Skin Lightening Effects

Panel

- 11 female subjects
- 18 - 50 years
- photo- type Fitzpatrick I-V
- with mild to moderate Melasma lesions on face

Evaluation criteria

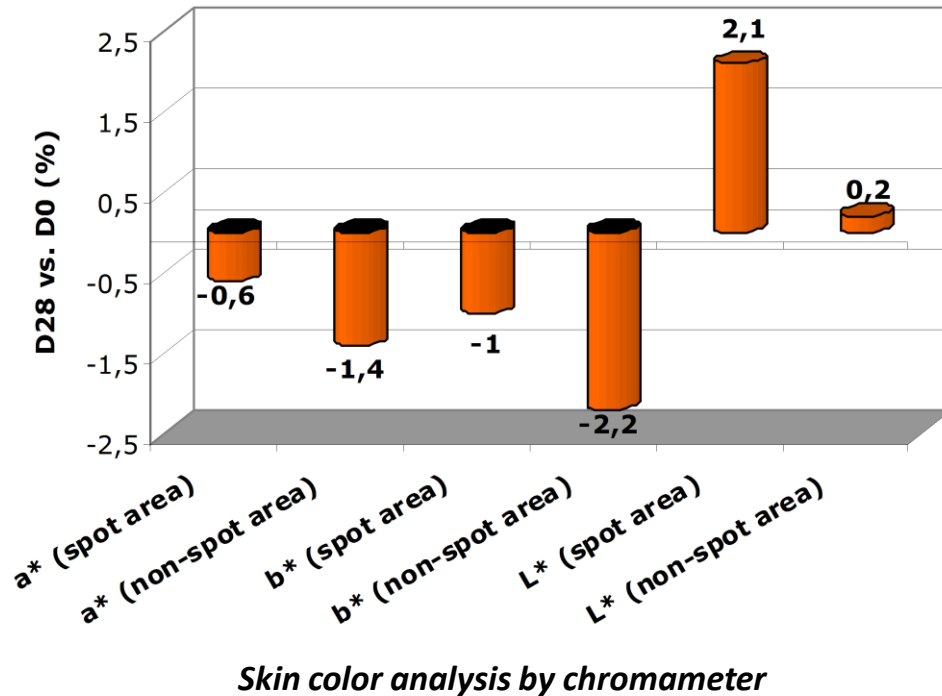
2 instrumental test methods:

- Skin coloration: $L^*a^*b^*$
- High resolution photos: brown spots, red spots and total visible spots

*Report V1 February 27th, 2015_Study Code 2161114.A_Product FN2-EL-BCr3-P51 "Lightening Cream"_PhD Trials, Lisbon
Use test with clinical control by a dermatologist with instrumental evaluation*

Efficacy test : skin color

Skin coloration



The color of the remaining visible spots showed significant lightening.



The overall brightness of the skin was enhanced.

L* = Luminance

a* = green-red color

b* = blue-yellow color

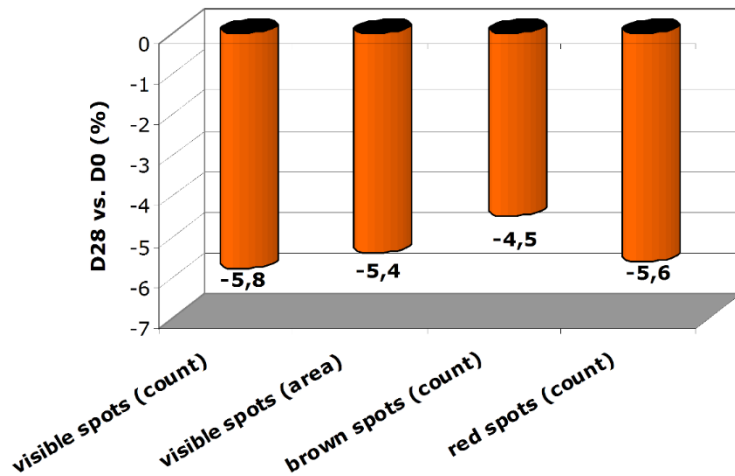
Skin color measurements

Chromameter CR-400 (Minolta, Japan)

Report V1 February 27th, 2015_Study Code 2161114.A_Product FN2-EL-BCr3-P51 "Lightening Cream"_PhD Trials, Lisbon
Use test with clinical control by a dermatologist with instrumental evaluation

Efficacy test : depigmentation effect

High resolution photos



HR-photo analysis of colored spots



The total number of visible spots, and in particular the numbers of brown and red spots were significantly reduced.



According to the physician's global assessment, a depigmentation effect was observed on 81.8% of all subjects.

VISIA-CA system

Report V1 February 27th, 2015_Study Code 2161114.A_Product FN2-EL-BCr3-P51 "Lightening Cream"_PhD Trials, Lisbon
Use test with clinical control by a dermatologist with instrumental evaluation

Efficacy test : depigmentation effect

High resolution photos



D0



D28

➡ Visible spot reduction

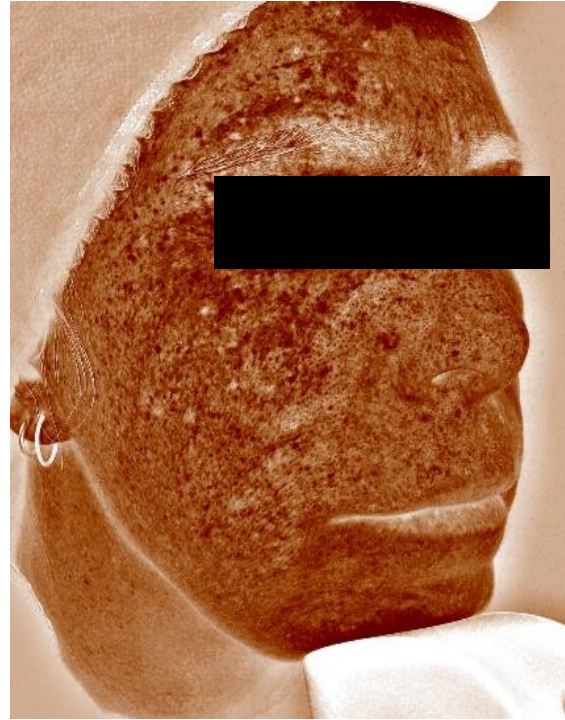
*Report V1 February 27th, 2015_Study Code 2161114.A_Product FN2-EL-BCr3-P51 "Lightening Cream"_PhD Trials, Lisbon
Use test with clinical control by a dermatologist with instrumental evaluation*

Efficacy test : depigmentation effect

High resolution photos



D0



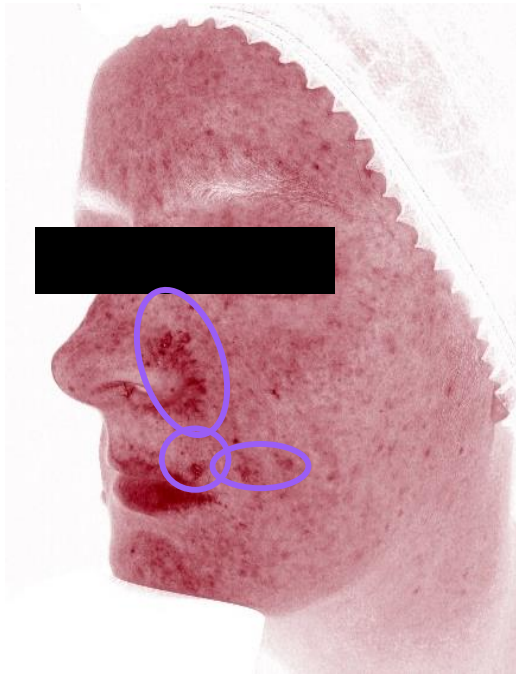
D28

➡ Brown spot reduction

*Report V1 February 27th, 2015_Study Code 2161114.A_Product FN2-EL-BCr3-P51 "Lightening Cream"_PhD Trials, Lisbon
Use test with clinical control by a dermatologist with instrumental evaluation*

Efficacy test : depigmentation effect

High resolution photos



D0



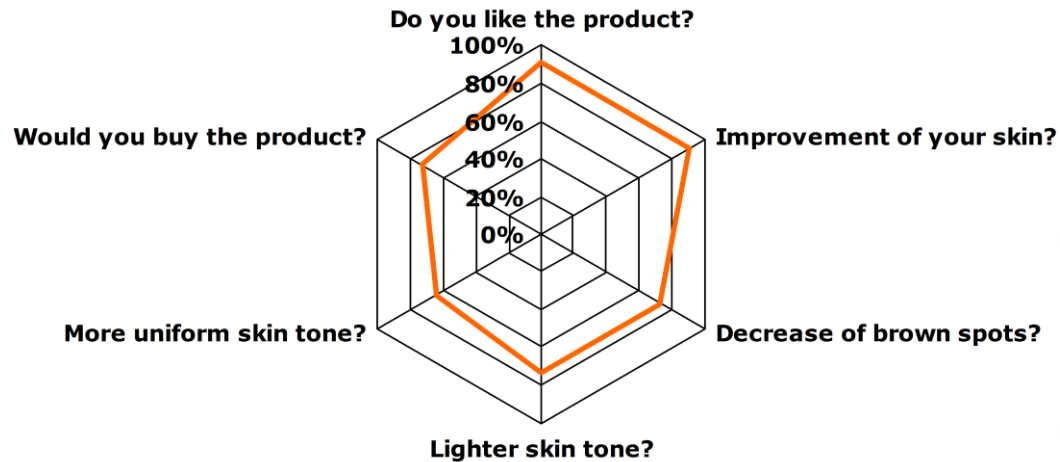
D28

➡ Red spot reduction

*Report V1 February 27th, 2015_Study Code 2161114.A_Product FN2-EL-BCr3-P51 "Lightening Cream"_PhD Trials, Lisbon
Use test with clinical control by a dermatologist with instrumental evaluation*

Efficacy test : self assesment

Self assessment by the panellists



90.9% of the subjects « liked »
or « liked very much » the product.



72.7% would buy it.

Consumer assessment of Elage after 28 days of application at 0.5% use-level

*Report V1 February 27th, 2015_Study Code 2161114.A_Product FN2-EL-BCr3-P51 "Lightening Cream"_PhD Trials, Lisbon
Use test with clinical control by a dermatologist with instrumental evaluation*

In Vivo Formulation

O/W-cream - pH 5.5

Phase	Ingredient	INCI-Name	wt.-%
A	Water	<i>Aqua</i>	ad 100
	Xanthan Gum PC ⁽¹⁾	<i>Xanthan Gum</i>	0.50
B	Emulgade PL 68/50 ⁽²⁾	<i>Cetearyl Glucoside (and) Cetearyl Alcohol</i>	5.00
	Lipex Sheasoft ⁽³⁾	<i>Butyrospermum Parkii Shea Butter</i>	3.00
	Lipovol SES ⁽⁴⁾	<i>Sesamum Indicum (Sesame) Oil</i>	3.00
	Lipovol HNO ⁽⁴⁾	<i>Corylus Avellana (Hazel) Nut Oil</i>	3.00
C	Phenoxyethanol	<i>Phenoxyethanol</i>	1.00
	α-Tocopherol	<i>Tocopherol</i>	0.10
D Premix	Elage ⁽⁵⁾	<i>Ellagic Acid</i>	0.50
	L-Lysine	<i>Lysine</i>	0.50
	Ascorbic Acid	<i>Ascorbic Acid</i>	0.05
	Water	<i>Aqua</i>	20.00
	Plantacare 1200UP ⁽²⁾	<i>Lauryl Glucoside</i>	5.00
E	50% Citric Acid	<i>Aqua (and) Citric Acid</i>	qs

Process:

1- Disperse Xanthan gum into water and mix until homogeneous, 800 rpm, 25 min. Heat up to 75-80°C.

2- Mix ingredients from phase B and heat up to 70-75°C.

3- Add B to A while stirring once they have reached a similar temperature. Homogenize first 3min with an Ultra Turax (about 12000rpm), then mix for 30 min at 1000 rpm with a turbine, finally, slow down to 700 rpm.

4- Add C when T <40°C. Mix until homogeneous.

5- Weigh out Ellagic acid, Lysine and Ascorbic acid into a beaker. Add water under mixing and keep stirring until fully dissolved. Add Plantacare and mix until homogeneous.

6- Add D to A+B+C under mixing.

7- Adjust the pH.

Suppliers: (1) Jungbunzlauer, (2) BASF, (3) AAK, (4) Simon & Werner, (5) Minasolve

Additional properties

- + **Skin Lightener:** the skin appears brighter and more uniform
- ➡ **Radical scavenging and inhibition of lipid peroxidation** (2, 3)
- ➡ **Anti-inflammatory and analgesic activity** (4)
- ➡ **Anti-photoaging:** preventing collagen destruction and inflammation caused by UV-B (5)


Bibliography:

- (2) Han DH, *Antioxidant and Apoptosis-inducing Activities of Ellagic Acid*, ANTICANCER RESEARCH **2006**, vol 26, pp. 3601-3606.
- (3) Osawa T et al, *Inhibition of in vitro lipid peroxidation by ellagic acid*, J. AGRIC. FOOD CHEM. **1987**, vol. 35, pp. 808-812.
- (4) Rogerio AP et al., *Anti-inflammatory, analgesic and anti-oedematous effects of Lafoensia pacari extract and ellagic acid*, J. PHARM. PHARMACOL. **2006**, vol. 58, pp. 1265-1263.
- (5) Bae J-Y et al., *Dietary compound ellagic acid alleviates skin wrinkle and inflammation induced by UV-B irradiation*. EXPERIMENTAL DERMATOLOGY **2010**, vol. 19, pp. e182–e190.

Applications

- ➔ **Skin Care / Face Care mainly**
 - ➔ **Lightening of the skin tone**
 - ➔ **Balancing of the skin tone**
 - ➔ **Reduction of hyperpigmented spots**
 - ➔ **Reduction of red spots**

Specifications & Formulation guideline

INCI	Ellagic Acid
Appearance	Light beige or light yellow powder
Purity	≥ 99.0 %
Solubility	Practically insoluble in common cosmetic solvents
Formulation	<ul style="list-style-type: none"> ▪ <u>Recommended</u> to formulate under a <u>dispersed</u> state (like a pigment). ▪ Preferably added to the aqueous phase. ▪ The addition of PEG-8 (4-6%) helps to disperse Elage in water phase and avoids high shear mixing (ultra-turrax) ▪ The addition of TiO₂ helps to get a white cream (4% recommended) ▪ Recommended to formulate it in combination with broad spectrum UV-filtering sunscreen. ▪ Not temperature sensitive
Recommended pH of use	3 - 5.5
Recommended use level	0.1 - 1.0 %
Origin	100 % nature-derived 

Formulations



Brightening Cream



Radiance Serum

Brightening Cream

Phase	Raw material	INCI name	%
A	Emulgade 165 ⁽²⁾	<i>Glyceryl Stearate (and) PEG-100 Stearate</i>	6,00
	Lanette O ⁽²⁾	<i>Cetearyl Alcohol</i>	3,00
	Cetiol C5 ⁽²⁾	<i>Coco-Caprylate</i>	5,00
	Myritol 318 ⁽²⁾	<i>Caprylic/Capric Triglycerides</i>	3,00
	Massocare Sil DM 350 ⁽³⁾	<i>Dimethicone</i>	1,20
	Uvinul A + B ⁽²⁾	<i>Ethylhexyl Methoxycinnamate (and) Diethylamino Hydroxybenzoyl Hexyl Benzoate</i>	10,00
	Bioxan SFT50 ⁽³⁾	<i>Helianthus Annuus Seed Oil (and) Tocopherol</i>	0,30
B	Glycerin 99,5% ⁽²⁾	<i>Glycerin</i>	2,00
	Xanthan Gum Mesh 80 ⁽³⁾	<i>Xanthan Gum</i>	0,30
C	Eau déminéralisée	<i>Aqua (Water)</i>	Qsp
	Elage ⁽¹⁾	<i>Ellagic Acid</i>	0,50
	Polyglycol 400 ⁽³⁾	<i>PEG-8</i>	4,00
	Citric Acid	<i>Citric Acid</i>	0,05
D	E-Leen Green B ⁽¹⁾	<i>Pentylene Glycol (and) Aqua (Water) (and) Sodium Benzoate (and) Benzoic Acid</i>	3,00



Raw materials suppliers:

- (1) Minasolve
- (2) BASF
- (3) Quimica Masso

Manufacturing process:

- 1 – Mix all ingredients from Phase A and heat to 75° C.
- 2 – Prepare Phase B and Phase C separately.
- 3 – Mix Phase B and Phase C and heat to 75° C.
- 4 - Mix Phase B and Phase C at Rotor Stator for 2 minutes, then add Phase A.
- 5 – Emulsify and decrease T° C under mixing.
- 6 – Add Phase D under mixing.

Properties, stability and microbiology:

Aspect : Off white viscous emulsion
pH : 5.0 - 5.5

Stable during 4 weeks at room T° C, 4° C, 45° C.
Meets Criteria A / ISO 11930

Radiance Serum

Phase	Raw material	INCI name	%
A	Emulgade 165 ⁽²⁾	<i>Glyceryl Stearate (and) PEG-100 Stearate</i>	3,00
	Lanette O ⁽²⁾	<i>Cetearyl Alcohol</i>	1,50
	Cetiol C5 ⁽²⁾	<i>Coco-Caprylate</i>	2,00
	Myritol 318 ⁽²⁾	<i>Caprylic/Capric Triglycerides</i>	4,00
	Massocare Sil DM 350 ⁽³⁾	<i>Dimethicone</i>	1,20
	Bioxan SFT50 ⁽³⁾	<i>Helianthus Annuus Seed Oil (and) Tocopherol</i>	0,30
B	Glycerin 99,5% ⁽²⁾	<i>Glycerin</i>	3,00
	Xanthan Gum Mesh 80 ⁽³⁾	<i>Xanthan Gum</i>	0,20
C	Eau déminéralisée	<i>Aqua (Water)</i>	Qsp
	Elage ⁽¹⁾	<i>Ellagic Acid</i>	0,50
	Polyglycol 400 ⁽³⁾	<i>PEG-8</i>	4,00
	Salicylic Acid	<i>Salicylic Acid</i>	0,50
D	Fresh'in Green+ ⁽¹⁾	<i>Pentylene Glycol (and) Methyl Diisopropyl Propionamide</i>	0,30
E	E-Leen Green B ⁽¹⁾	<i>Pentylene Glycol (and) Aqua (Water) (and) Sodium Benzoate (and) Benzoic Acid</i>	3,00



Raw materials suppliers:

- (1) Minasolve
- (2) BASF
- (3) Quimica Masso

Manufacturing process:

- 1 – Mix all ingredients from Phase A and heat to 75° C.
- 2 – Prepare Phase B and Phase C separately.
- 3 – Mix Phase B and Phase C and heat to 75° C.
- 4 - Mix Phase B and Phase C at Rotor Stator for 2 minutes, then add Phase A.
- 5 – Emulsify and decrease T° C under mixing.
- 6 – Add Phase D then Phase E under mixing.

Properties, stability and microbiology:

Aspect : Off white fluid emulsion
pH : 4.5 – 5.0

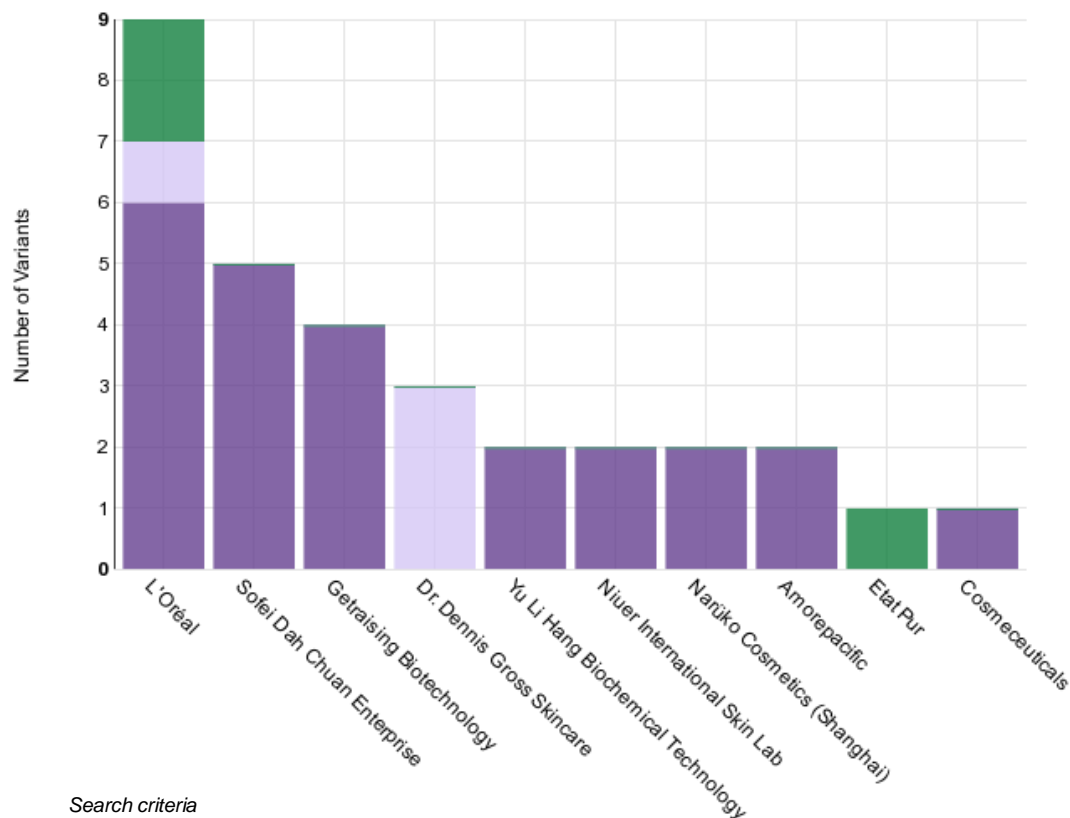
Stable during 4 weeks at room T° C, 4° C, 45° C.
Meets Criteria A / ISO 11930

Ellagic Acid on the market

March 2018



2012 - 2017, Ultimate Company vs Region



Search criteria
 where **First Launch Only**
 and **Ingredient Search** matches Ellagic Acid as the Ingredients
 and **Launch Type** matches one or more of (New Formulation, New Product)
 and **Super-Category** matches Beauty & Personal Care

TOP 10:

L'Oréal
 Sofei Dah Chuan Enterprise
 Getraising Biotechnology
 Dr. Dennis Gross Skincare
 Yu Li Hang Biochemical Technology
 Niuer International Skin Lab
 Naruko Cosmetics (Shanghai)
 Amorepacific
 Etat Pur
 Cosmeceuticals

Ellagic Acid on the market

L'OREAL GROUP

March 2017



- Some of L'Oréal products



Meta Whitening Essence,
Vichy



Nuit Firmness Restoring Whitening Night Cream,
Lancôme



Total Recover Sleeping Mask,
L'Oréal



Bright Reveal Moisturiser,
Brightening Dark Spot Corrector,
Yves Saint Laurent

Ellagic Acid on the market

L'OREAL GROUP

March 2017

MINTEL

Vichy Ideal White Meta Whitening Essence



Company: Vichy

Country: China

Date Published: Mar 2017

Sub-Category: Face/Neck Care

Price: CNY419.00 / \$60.74 / €56.53

Pack Size: 30.00 ml / 30.00 ml

View it on GNPD [4712459](#)

The Vichy Ideal White range is said to offer metabolic whitening with powerful active ingredients that work in harmony with each other to give Asian women three dimensional fairness. Available as part of the range is Meta Whitening Essence, which is now retailed in a new-look pack. It is specially designed to enhance skin's balance while helping TO effectively reduce the appearance of spots, uneven skin tone and dullness, leaving skin revived from within for an ideal white, rosy complexion. Formulated with Vichy Mineralising Thermal Water, this fast-penetrating, fresh and comfortable formula is said to provide long-lasting intense hydration, leaving skin radiant, translucent, and flawless. This hypoallergenic product has been tested on sensitive skin and is free from paraben. It retails in a pack bearing a Data Matrix code.

Ingredients:

Aqua, Glycerin, Dimethicone, Isopropyl Lauroyl Sarcosinate, Alcohol Denat., Caprylic/Capric Triglyceride, Cetyl Alcohol, Stearic Acid, Palmitic Acid, Silica, **Ellagic Acid**, fragrance, Xanthan Gum, Adenosine, PEG-100 Stearate, C13-14 Isoparaffin, Mica, **Titanium Dioxide**, Disodium EDTA, Tocopheryl Acetate, Dimethiconol, Poloxamer 338, Poloxamer 184, Capryloyl Salicylic Acid, Laureth-7, Glyceryl Stearate, Polyacrylamide, Phenoxyethanol, Chlorphenesin, Titanium Dioxide, Phenylethyl Resorcinol

Claims:

Ethnic, Hypoallergenic, Whitening, Long-Lasting*, Moisturising / Hydrating, For Sensitive Skin, Paraben Free, Time/Speed

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Ellagic Acid on the market

L'OREAL GROUP

March 2017

Mintel

Lancôme Blanc Expert Nuit Firmness Restoring Whitening Night Cream



Company: Lancôme

Country: Germany

Date Published: Jul 2016

Sub-Category: Face/Neck Care

Price: €102.00 / \$111.33

Pack Size: 50.00 ml / 50.00 ml

View it on GNPD [4111539](#)

Lancôme Blanc Expert targets and corrects dark spots and brings brightness and tone uniformity to the skin with its advanced expertise in melanin production regulation. Included in this range is Nuit Firmness Restoring Whitening Night Cream, which is said to help reduce dark spots visually, and leave skin feeling regenerated, elastic and light in the morning with radiant shine and evenness. Said to be moisturising, nourishing and protective, it is designed for normal, combination, dry, mature and oily skin types.

Ingredients:

Aqua, Butylene Glycol, Glycerin, Isocetyl Stearate, Hydrogenated Polyisobutene, Dimethicone, Propylene Glycol, Alcohol Denat., C13-14 Isoparaffin, Sodium Hydroxide, Hydroxyisohexyl 3-cyclohexene Carboxaldehyde, PEG-100 Stearate, PEG-8 Stearate, PPG-5-ceteth-20, **Ellagic Acid**, Polyacrylamide, Chlorphenesin, Salicylic Acid, Dimethiconol, Xanthan Gum, Benzyl Salicylate, Ginkgo Biloba Leaf Extract, Linalool, Lentinus Edodes Extract, Mentha Piperita Leaf Extract, Benzyl Alcohol, Alpha-isomethyl Ionone, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Disodium EDTA, Rosa Centifolia Flower Extract, Methylparaben, Butylphenyl Methylpropional, Laureth-7, Glyceryl Stearate, Glycyrrhiza Glabra Root Extract, parfum (fragrance)

Claims:

Moisturising / Hydrating, Anti-Ageing, Firming*, Whitening

Ellagic Acid on the market

L'OREAL GROUP

March 2017

MINTEL

L'Oréal White Perfect Total Recover Sleeping Mask



Company: L'Oréal

Country: Thailand

Date Published: Sep 2016

Sub-Category: Face/Neck Care

Price: THB399.00 / \$13.14 / €12.04

Pack Size: 50.00 ml / 50.00 ml

View it on GNPD [4264237](#)

L'Oréal White Perfect Total Recover Sleeping Mask features whitening effect, anti-oxidant active, pro-white complex and vitamin E and is said to be the new generation of night cream with a 'unique' jelly texture claimed to deliver powerful whitening efficacy and intense hydration. This product is also said to release hundreds of beads with vitamin E, capable of neutralizing free radicals and the damage caused by daily oxidative aggressions, whilst powerful whitening technology that combines vitamin B3 and CG lightens dark spots, reduces pigmentation and evens out skin tone. According to the manufacturer, upon awakening, skin is visibly translucent, more luminous, hydrated and smooth and after eight weeks, dark spots become visibly lighter, skin tone becomes fair and even, skin texture is improved and becomes soft and refined. This dermatologically tested product is tested on Asian skin and retails in a 50ml pack.

Ingredients:

Aqua, Glycerin, Niacinamide, Alcohol, Dipropylene Glycol, Dimethicone, Butylene Glycol, **PEG-8**, PEG/PPG/polybutylene Glycol-8/5/3 Glycerin, Zea Mays Starch, **Ellagic Acid**, Carbomer, Dimethiconol, Sodium Citrate, Sodium Hyaluronate, Sodium Hydroxide, Mannitol, Ascorbyl Glucoside, Ammonium Polyacryloyldimethyl Taurate, Microcrystalline Cellulose, Hydrolyzed Lupine Protein, Capryloyl Salicylic Acid, Caprylyl Glycol, Tetrasodium EDTA, T-butyl Alcohol, Tocopheryl Acetate, Sodium Benzoate, Phenoxyethanol, CI 16035, parfum (fragrance), Linalool, L-limonene, Citronellol, Hexyl Cinnamal, Benzyl Alcohol, F.I.L. B182574/1

Claims:

Vitamin/Mineral Fortified, Ethnic, Dermatologically Tested, **Whitening, Antioxidant**, Time/Speed, Moisturising / Hydrating

MINASOLVE
BIO-INGREDIENTS FOR YOUR APPLICATIONS

Ellagic Acid on the market

L'OREAL GROUP

March 2017

MINTEL

Yves Saint Laurent Blanc Pur Couture Creme



Company: YSL Beauté

Country: UK

Date Published: Feb 2017

Sub-Category: Face/Neck Care

Price: £64.00 / \$82.88 / €73.78

Pack Size: 50.00 ml / 50.00 ml

View it on GNPD [4326367](#)

The Yves Saint Laurent Blanc Pur Couture range is said to be a revolutionary skin tone clarifying system with a brightening complex inspired by the melatonin controlling action taking place in skin every night. Featuring the Glyco Bright Complex and tree peony extract with a brightening and protective action, the products are designed to visibly reduce the appearance of hyperpigmentation to brighten and clarify skin and achieve ideal uniformity and radiance. The range is tested on Asian skin under dermatological supervision. Available as part of the range is Creme, described as an effortless gel creme designed to provide 24 hours of efficacious and instant moisture and nourishment, improving skin's tone and resiliency, helping reduce the appearance of dark spots and dullness for lasting skin clarity and targeting skin stress imprints at their source, thanks to the combination of Glyco Bright complex and tree peony extract. The light textured formula is recommended for normal to dry skin types and retails in an FSC-certified packaging.

Ingredients:

Aqua, Butylene Glycol, Glycerin, Isocetyl Stearate, Hydrogenated Polyisobutene, Dimethicone, Propylene Glycol, Alcohol Denat., Paeonia Suffruticosa Root Extract, Hydrolyzed Prunus Domestica, C13-14 Isoparaffin, PEG-100 Stearate, PPG-5-ceteth-20, PEG-8 Stearate, **Ellagic Acid**, Glyceryl Stearate, Glycyrrhiza Glabra Root Extract, Palmaria Palmata Extract, Disodium EDTA, Hydroxypropyl Tetrahydropyrantriol, Chondrus Crispus, Laureth-7, Xanthan Gum, Lentinus Edodes Extract, Polyacrylamide, Acrylates/C10-30 Alkyl Acrylate Crosspolymer, Methylparaben, Salicylic Acid, Phenoxyethanol, Chlorphenesin, **Titanium Dioxide**, Mica, Linalool, L-limonene, parfum (fragrance)

Claims:

Ethnic, Botanical/Herbal, Ethical - Environmentally Friendly Package, Whitening, Ease of Use, Dermatologically Tested, Time/Speed, Long-Lasting*, Moisturising / Hydrating, Toning*

MINASOLVE
BIO-INGREDIENTS FOR YOUR APPLICATIONS

Minasolve® is an affiliate of The MINAFIN® Group

Created in 2004, The MINAFIN® Group, specializes in fine chemistry for the life sciences and high tech industries. Activities include industrial subcontracting, development of chemical syntheses and industrial scale-up of custom-made processes as well as proprietary products with high added values for the pharmaceutical, cosmetics, agriculture and high tech industries. Strong synergies exist between all business units :

- Minakem
- Minagro
- Pennakem
- Pressure Chemical
- Minascent
- EcoXtract

Serving market leaders as well as emerging players, we support our customers' efforts to improve the quality of life in the global community by :

- Improving our chemistry and operational excellence today
- Creating and innovating for tomorrow
- Driving our enterprises together to go beyond expectations



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THANK YOU FOR YOUR ATTENTION



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solving
attitude.**

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The above information is accurate to the best of our knowledge. Customers are advised to make their own studies on the usefulness of any ingredient for a particular application. Recommended usage information is only provided as indication, and should not be considered as recommendations to use Minasolve's products in violation of any laws, patents, or official regulations dealing with manufacture, composition, local procedures, product design, or end usage.

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