Seanactiv TM

Use the power of fucoidan to quickly erase eye-aging and improve healthy radiance

October 2021

Care reations...

■ BASF
We create chemistry



Presenters



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Warning: Contains Some Claims not valid in the United States

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Our eyes are unique



Taking care of our eyes is essential to limit visible signs of fatigue and aging

Reflection of age and soul

Eye contour area is quickly affected by our environment, eye contour showing not only the age and the fatigue, but also stress, emotions, ...

Define the right routine

The skin around the eyes is very thin, a proper skincare routine is a key as well as a good life hygiene, an optimized hydration and sun protection















Ethnicity



Our eyes are fragile



Skin luminosity& Dullness

With age and lifestyle, skin becomes more fragile and loses vitality

- → need to **restore** cell activity
- → need to **boost radiance**



Crow's feet and Fine lines

Wrinkles are related to the perception of aging and tiredness on the skin

→ Need to **stimulate** collagen production



Dark circles **Puffiness**

Dark circles and puffiness are related to blood leakage or microcirculation defect → need to **protect** the epidermis from toxic Heme release

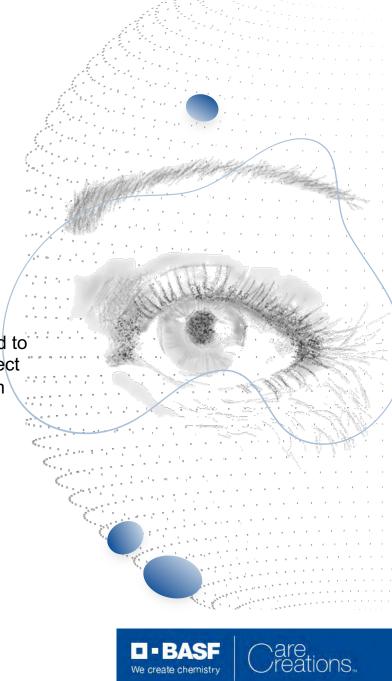


Droopy eyelid

Skin sagging results in an alteration of the mechanical properties of the skin

→ Need to densify, regenerate





Listening to consumers

Consumer seek safe products that can protect their eye contour, limiting signs of fatigue, dark circles and puffiness

4 4 % □

of Thai consumers* would like their diet to help improve their eye health

96% □
of consumers want
to reduce dark
circles

23% □
of UK women say their eyes are their biggest concern when it comes to maintaining their skin

66 % □
of consumers want to decrease signs of aging

79% □
of Chinese consumers
agree that current
society puts too much
pressure on people to
look youthful





| Sources : Mintel 2019-2020-2021

What do we find on the market?



Tired eyes can indicate low energy levels, so it makes sense to offer eye health benefits. Consumer seek safe products that can protect their eye contour, limiting signs of fatigue, dark circles and puffiness



GUERLAIN

Orchid Noble Light™
Technology to act on the main sources of skin dullness and recreating exceptional light.
Day after day, the eye contour is smoother, dark circles and puffiness are minimized, and the eye area lights up.



GLAMGLOW

An illuminating eye cream with illuminating spheres, peptides, caffeine and hyaluronic acid, that instantly brightens dark circles and reduces the visible signs of fatigue around the entire eye area for a super well-rested, glowing



GLACYO

An impressive blend of 69
Glacial Marine Minerals and
Earth Elements, Amber
Extract, and Botanical Oils.
Help to reduce puffiness and
dark circles under the eyes,
as well as diminish wrinkles
and fine lines while renewing
skill cells.



SENSAI

Promote collagen synthesis, stimulate microcirculation and thus bring a lifting effect to the contours of the face for firmer, smoother and brighter skin.



Third-party product names and images are used for reference only and are not intended to suggest endorsement by, or an existing licensing relationship with, t

Our inspiring solutions

Multi-purpose bioactive

Inolixir®: decreases Dark circles and signs of fatigue in 1 week

Shadownyl® Clear: decrease wrinkles in 1 week and Dark circles in 2 weeks

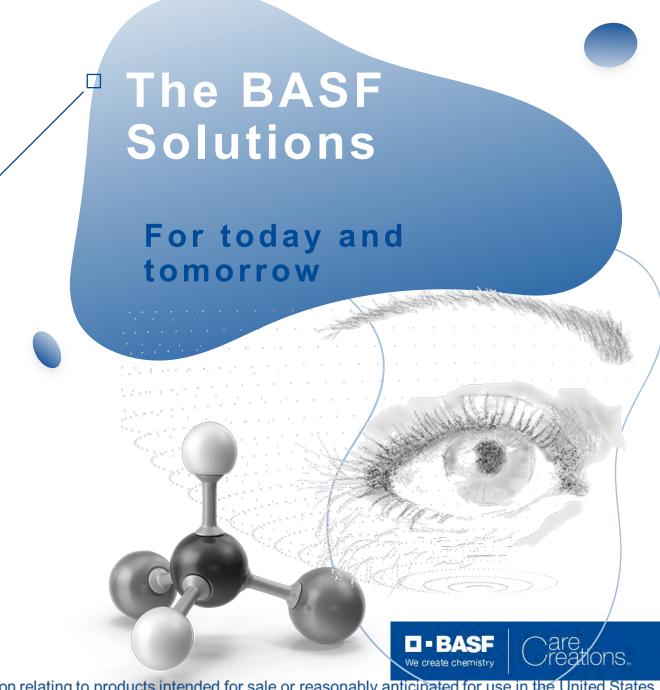
Puffiness focus

Flavagrum ® instantly reduce bags thanks to immediate tissue draining and free radical scavenging

Botanical flower complex

Biophytex® to reduce Dark circles in 4 weeks

→NEW Seanactiv



Seanactiv

Who hasn't dreamt about even, smoother, younger, more luminous eyes in a snap?

Inspired by the power of the ocean, BASF presents

SEANACTIV

new bioactive using the power of fucoidans to help decrease the signs of aging around the eye and help create a healthier & fresher look.





Superpower of algae

□ Reassuring and well-known

Used in nutrition as superfood, in fashion to create adaptable clothes, also able to absorb CO₂ and reduce environmental footprint, and in beauty for their healthy properties (thalassotherapy, wellness, slimming..)

☐ Extremophile Superfood

Photosynthetic organisms that can grow under extreme conditions and retain high concentrations of a wide variety of health-sustaining ingredients

Sustainable polysaccharides source

Due to high polysaccharides content and presence of essential amino acids in its composition, combined with the fact that it needs minimal resource requirements for growth.









| Sources : Literature



Consumers' interests for algae

What are the main benefits of algae? In food? In fashion? What are the properties for beauty?

What do people need/want/wish when it comes to skin?

Q 25% Algae prevent heart disorders

Q 38% Healthy protein source (FR)

Q 36% I want algae in my food (UK)

Q 50% look for superfood product (US)

26%

Of skincare launches in the last 12 months with algae inside

High and growing interest of consumer for algae

 Ψ

Existing BASF solution from algae

Shadownyl Clear with Fucus Vesiculosus Extract Slim-Excess with Hydrolyzed Rhodophycea Extract





Our alga
Fucus vesiculosus



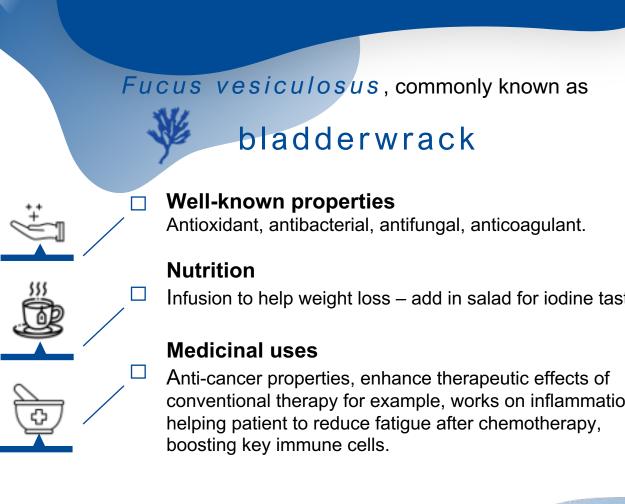


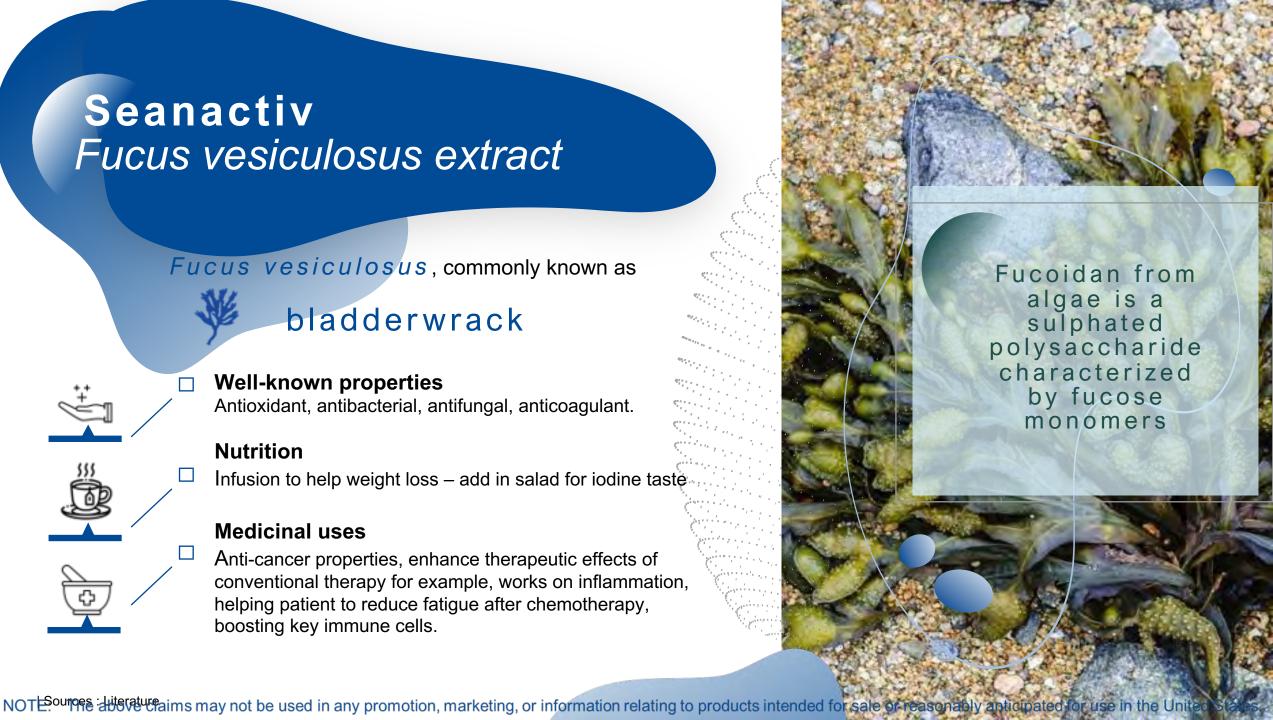


Seanactiv Fucus vesiculosus extract

Infusion to help weight loss – add in salad for iodine taste

conventional therapy for example, works on inflammation, helping patient to reduce fatigue after chemotherapy,





Seanactiv Fucus vesiculosus algae

Seanactiv



Traceable supply chain from Nova Scotia region in Canada

Manually harvested with a seaweed rake from platform vessel, from May to September under government license,



in line with good collection practices that ensure regeneration of the biomass.



Organic certified Thallus



Criteria to select specimens to be harvested based on their size



Quota of biomass collection per specimen



SeanactivProcess characterization

Fucus vesiculosus thallus

Organic solvent free and selective extraction

Concentration Separation & Filtration

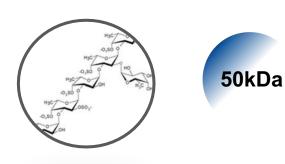
Standardization in dry matter

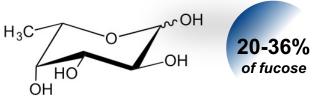
Characterization in fucoidan

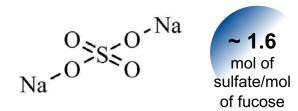
FUCOIDAN characterization

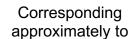
of Seanactiv

Phytochemical composition of the selective extract (mean of 5 representative batches on dry matter and vs standardisation dry matter)













Seanactiv will act in 3-steps to **QUICKLY** improve the eyecontour area

FIGHT DARK CIRCLES

FIGHT
SIGNS OF AGING

2

DARK CIRCLES REDUCER

Boosting HO-1 enzyme for a lighter and healthier eye contour area



7 HO-1

CROW'S FEET REMOVER

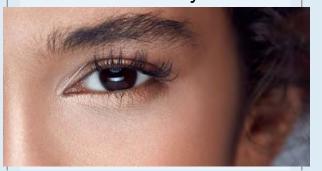
Collagen I stimulation for a younger skin appearance



7 COLLAGEN I

VITALITY ENHANCER

Even skin tone by reducing dullness, improving eye luminosity



7 SIRT-1

Concept proof

FOCUS Activity of fucoidan

We have evaluated a standard pure lecule of fucoidan on the 3 biomarkers linked to eye contour improvement.









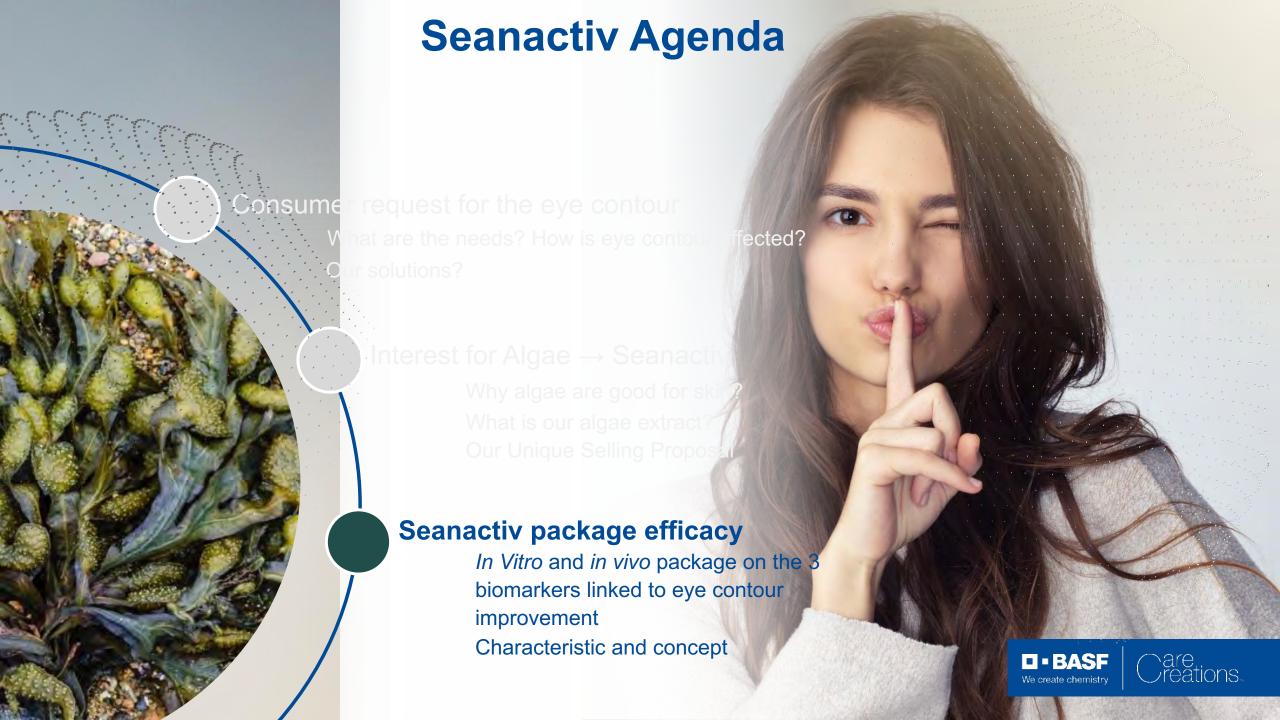












Study Package

In vitro



Evaluation of Seanactiv efficacy on the 3 proteins:

- HO-1
- COLI
- **SIRT-1**





Application period





Panel inclusion criteria

- 24 females / 18-65 years old
- Crow's Feet Wrinkles
- Dark circles



Test products

- Placebo emulsion
- Emulsion with 1% Seanactiv



Clinical assessment

3 Parameters:

- Dark circles
- Crows' feet wrinkles
- Luminosity of the skin



Measurement points every day:

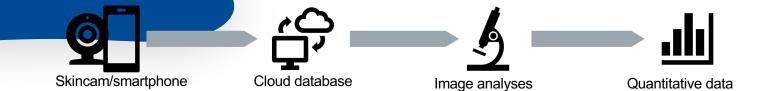
- Short period application (D1 to D7)
- Long period application (D1 to D28)

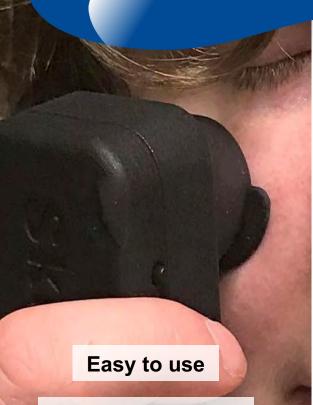
Methodology:

At home, day-to-day image acquisition with connected SkinCam Device measurements @ wake up, (before morning product application).

Tool of in vivo study

Use of Skincam Imagery Device for at-home Tracking Skin Daily Change

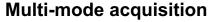




Ingenious device

Smart Phone Connection





Cross-polarized, standard acquisitions



Skin measurement

2 cm diameter



Multi lighting modalities

Cross-polarized, standard, 3D modalities



High resolution sensor

Capture very small skin effects



Integrated quality control

Very efficient image quality checking



Cloud connected

Transparent and fast image transfer

Using technologies and innovations



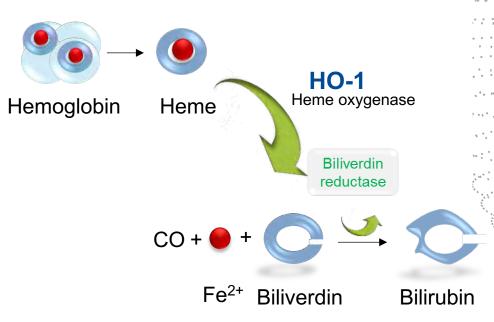
Tracking skin issues -Understanding skin reactions -More Experiential - Convenient



1. DARK CIRCLE REDUCER

When blood vessels located below the skin are affected by stress, fatigue, aging,... the hemoglobin they carry releases "Heme" a cytotoxic molecule for the skin. **HO-1**, a powerful enzyme naturally exists in the skin, helps fight the deleterious effects of Heme. By boosting this enzyme, we protect the skin from the undesired HEME and the associated undesired shadows.





Stimulating HO-1 will help to reinforce cytoprotection and to limit the appearance of dark circles



DARK CIRCLE REDUCER

Boosting HO-1 enzyme for a lighter and healthier eye contour area



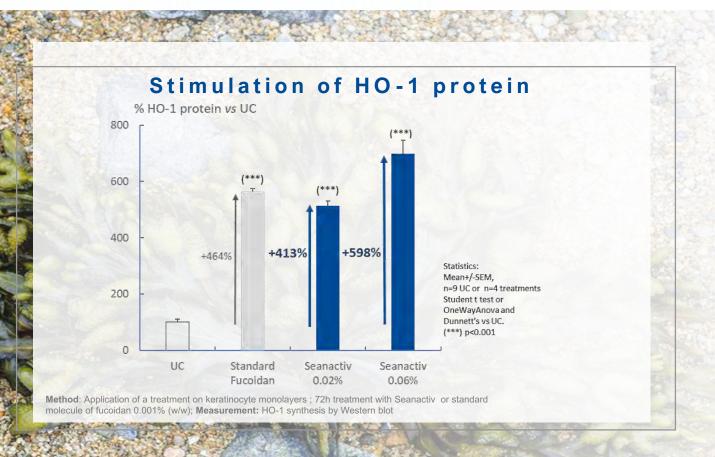




1. DARK CIRCLES REDUCER – In Vitro

Seanactiv strongly stimulates Heme-Oxygenase production

The activity of
Seanactiv is
supported by its
richness in fucoidan



Seanactiv increases the HO-1 protein by

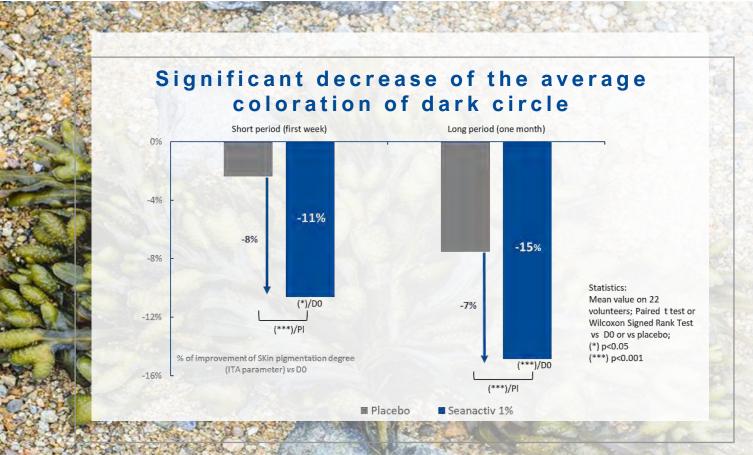


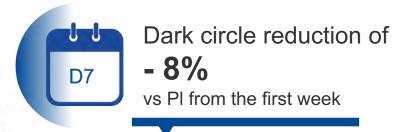


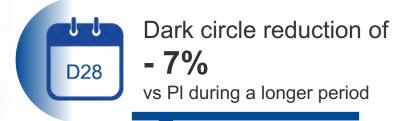


1. DARK CIRCLE REDUCER – In Vivo

Seanactiv demonstrates a fast decrease of dark circle color vs placebo







Seanactiv
helps to reduce
dark circle
discoloration





1. DARK CIRCLE REDUCER



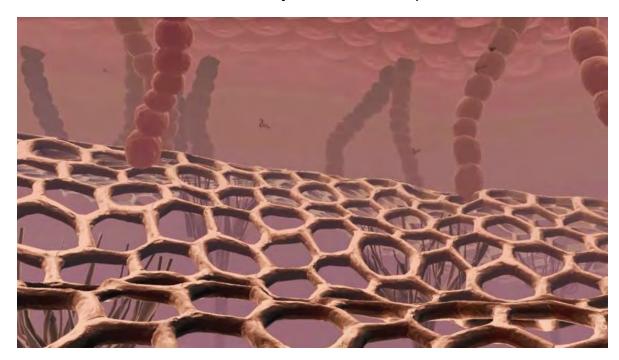
Seanactiv shows visible benefits on dark circle reduction from the first week of application onward

NOTE: The above claims may not be used in any promotion, marketing, or information relating to products intended for sale or reasonably anticipated for use in the United States.



2. WRINKLE REMOVER

Wrinkles and fine lines are linked to a loss of Collagen I. The skin looks tired and fine lines eventually become deep wrinkles.



Increase synthesis of Collagen to improve crow's feet appearance



CROW'S FEET REMOVER

Collagen I stimulation for more youthful skin appearance



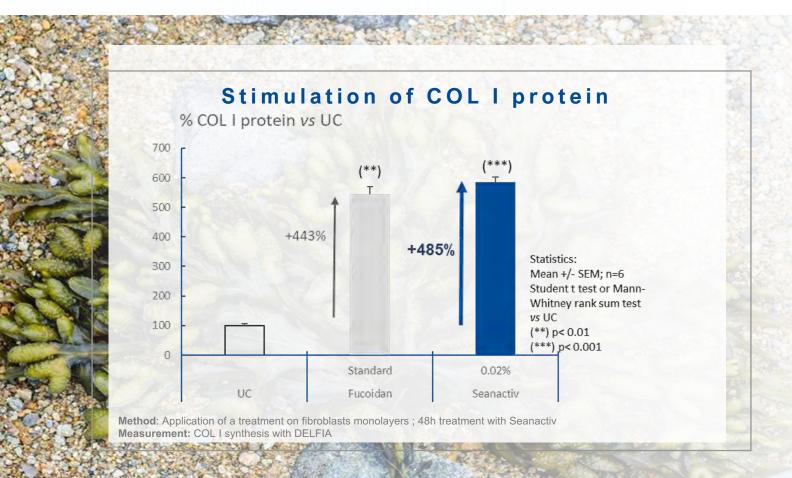




2. WRINKLE REMOVER – In Vitro

Seanactiv strongly stimulates Collagen I production

The activity of
Seanactiv is
supported by its
richness in fucoidan



Seanactiv increases the COL I protein by

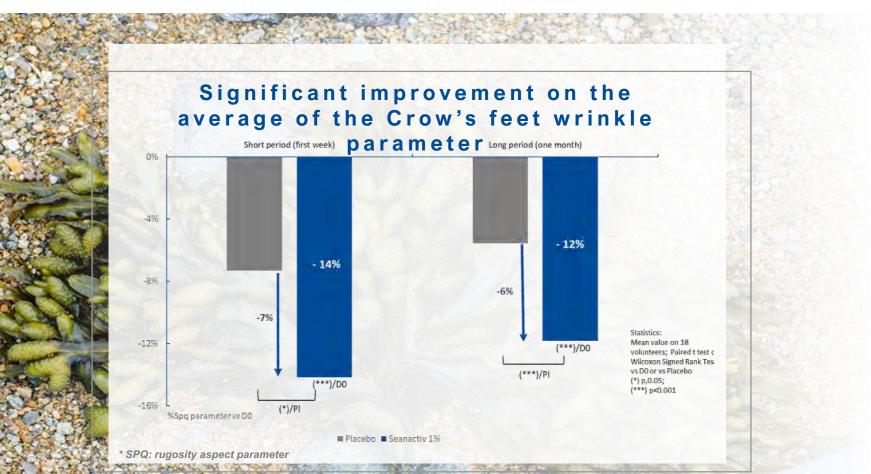


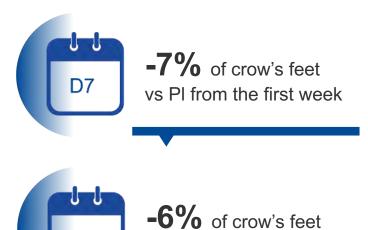




2. WRINKLE REMOVER – In Vivo

Seanactiv demonstrates an express improvement of Crow's feet wrinkles vs placebo





D28

Seanactiv helps to reduce crow's feet



vs PI during a long period



2. WRINKLE REMOVER



D28

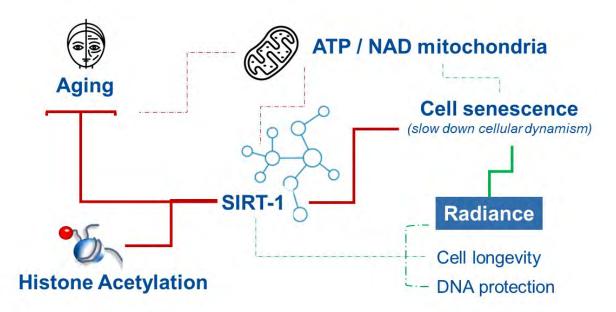
Seanactiv shows visible benefits on crow's feet reduction from the first week of application and after

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3. VITALITY ENHANCER

Duliness and tiredness are linked to cell senescence, lack of cell energy and lack of skin defense due to aging. A decrease of SIRT-1 could be one factor making the eye appearing devitalized, lack of energy.



Stimulating SIRT-1 to remove epigenetic mark accumulations will help to decrease cell senescence and to improve eye energy and luminosity



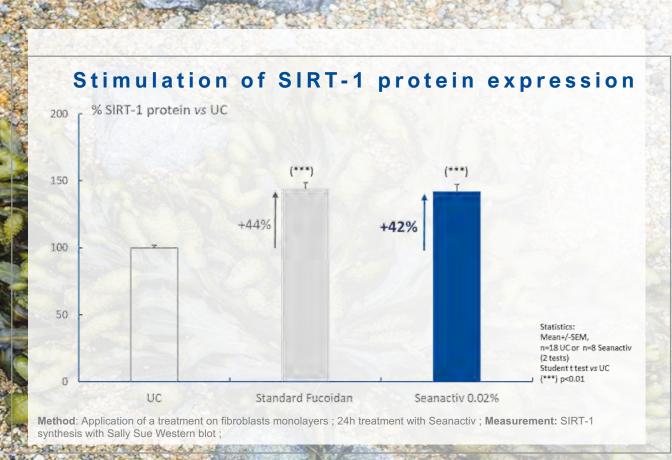




3. VITALITY ENHANCER – In Vitro

Seanactiv strongly stimulates the longevity protein SIRT-1 production

The activity of
Seanactiv is
supported by its
richness in fucoidan



Seanactiv increases the longevity protein SIRT-1 by

+42%

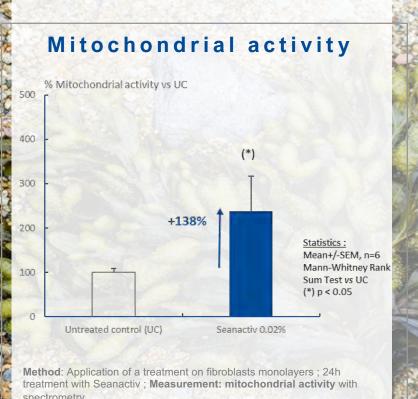


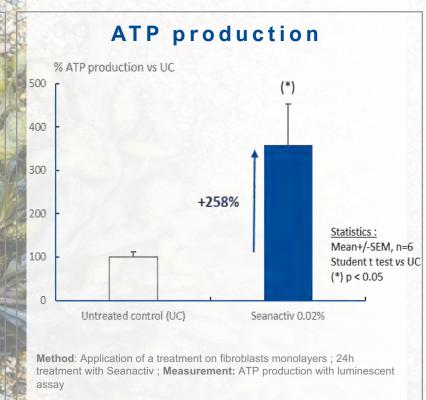


3. VITALITY ENHANCER – In Vitro

Mitochondrial activity and ATP production are closely related to the histone modifier SIRT-1 dynamism

Seanactiv strongly stimulates cellular dynamism system





Seanactiv
Increases
mitochondrial activity by



+ ATP Production of

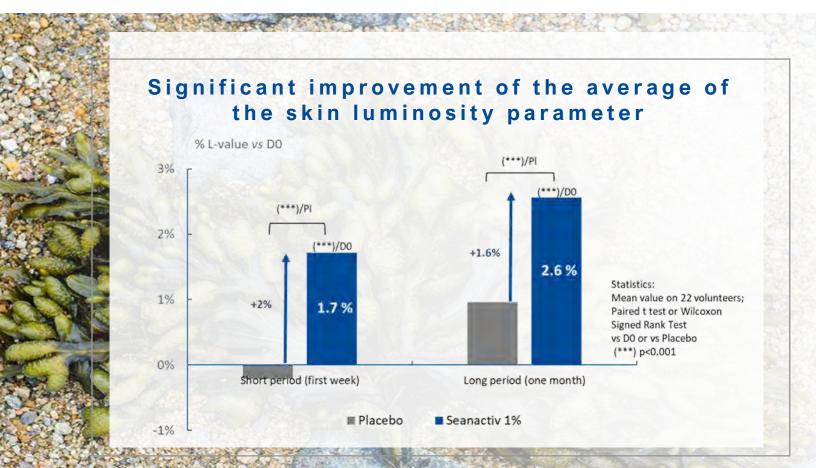






3. VITALITY ENHANCER – In Vivo

Seanactiv shows an express improvement of eye area luminosity vs placebo



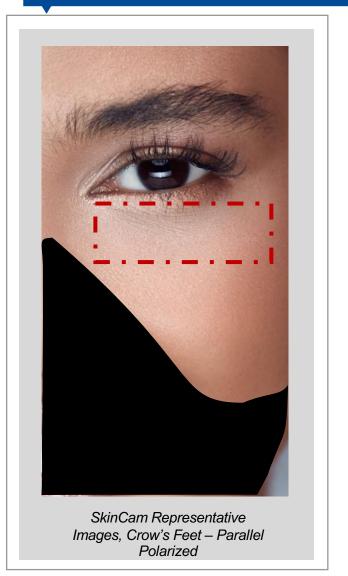


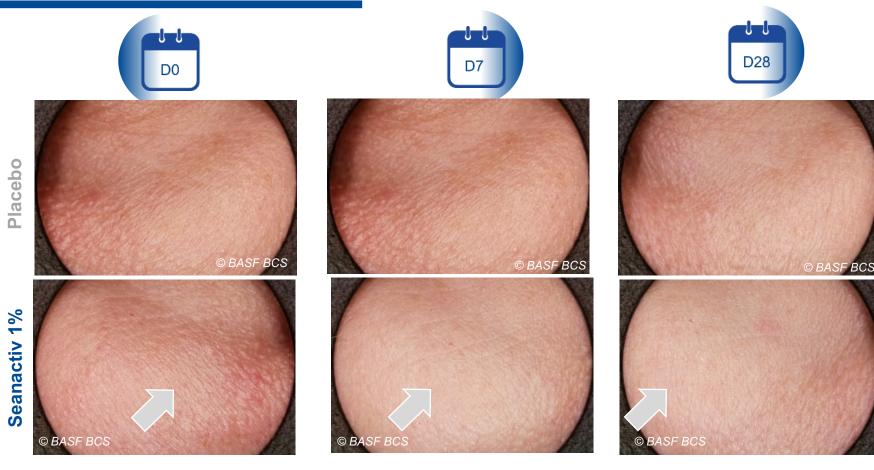
Seanactiv
helps to improve
eye contour
luminosity





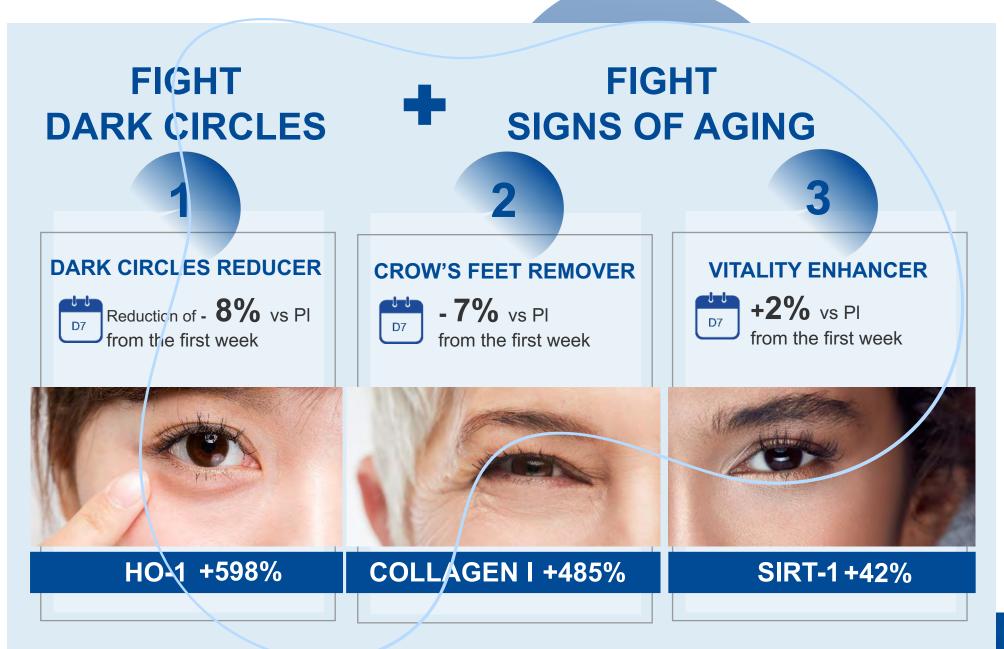
3. VITALITY ENHANCER

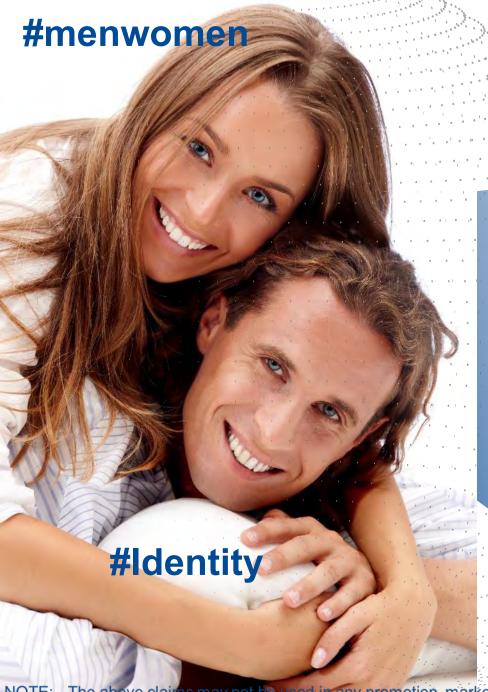




Seanactiv shows visible benefits on eye contour luminosity within the first week and after

Seanactiv will act in 3-steps to **QUICKLY** enhance the eyecontour area





UNIVERSAL CC EYE PERFECTOR

With this UNIVERSAL CC EYE PERFECTOR, enriched with a fucoidan extract - Seanactiv - we will offer a real shot of youthfulness for the eye in only 7 days!

Fade dark circles [-8%]





Remove crow's feet [-7%]



Improve eye luminosity

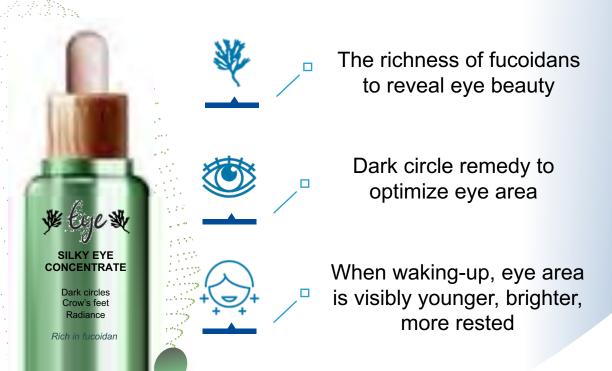




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SILKY Eye CONCENTRATE

No one loves to see unwanted signs of fatigue and aging, crisscrossing their eyes. This new eye serum enriched with high content of fucoidan, will be adapted to all skin needs thanks to its epigenetic pathway, able to stimulate protein of longevity, to rebuilt your entire eye-contour.



#personnalization Breathtaking results in only one week Erase signs of aging by keeping own identity #keepsmiling #selfesteem

Seanactiv Regulatory data/

BC10113	Seanactiv [™]				
Description	Extract of brown algae Fucus vesiculosus characterized in fucoidan				
Aspect	Dark red-amber viscous liquid				
Solubility	Soluble in water				
Preservative system	Sodium Benzoate				
INCI	Water (and) Fucus Vesiculosus Extract (and) Gluconolactone (and) Xanthan gum (and) Sodium chloride				
Natural label	COSMOS approved				
Natural origin content (ISO 16128)	99.8%				
Dose of Use	1 %				
Regulatory data	PCPC IECSC IECIC 2015 REACH JP QD cosmetics additive				
	On going ✓ ✓ ✓ ✓ X				



Seanactiv Formulation & storage conditions

Formulation method

Incorporated below 40°C or at room temperature for a cold process. pH 3-11

OK at Room T°, slight color change at 45°C

Storage conditions

In its original packaging at 10-30°C

Shelf life: 18 months



Color impact





Formulation of the clinical study

Phase	Trade Name	INCI Name	%
Α	Eau osmosée	Water	76,23
	Euxyl PE 9010 (Schülke)	Phenoxyethanol, Ethylhexylglycerin	1,00
	Glycerine 99-5	Glycerin	3,00
	EDETA® BD	Disodium EDTA	0,05
В	Cosmedia® SP	Sodium Polyacrylate	0,20
С	Emulgade® PL 68/50	Cetearyl Glucoside, Cetearyl Alcohol	5,00
	Cutina® PES	Pentaerythrityl Distearate	1,50
	Cutina® HVG	Hydrogenated Vegetable Glycerides	1,50
	Myritol® 331	Cocoglycerides	3,00
	Cetiol® CC	Dicaprylyl Carbonate	5,00
	Cegesoft® PFO	Passiflora Incarnata Seed Oil	3,00
	Xiameter PMX- 200 Silicone Fluid 350CS (Dow Corning)	Dimethicone	0,50
D	Seanactiv BC10113	See composition sheet	0,00
	Sodium Hydroxide solution 16%	Sodium Hydroxide, Water	0,020

Process

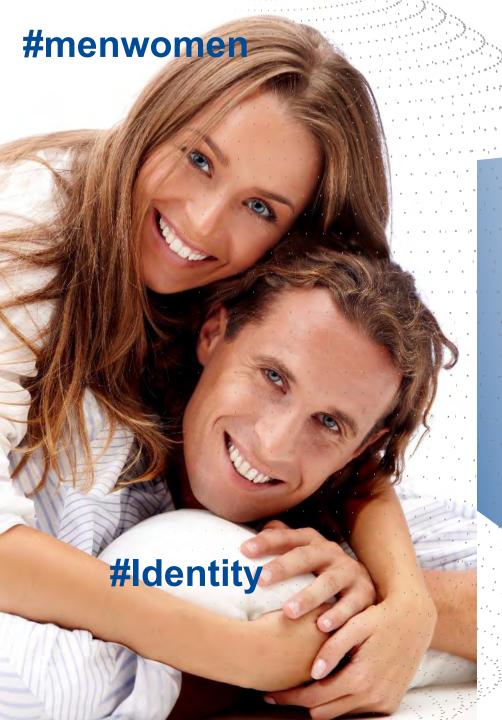
- 1. Heat Phase A and C at 80°C
- 2. Introduce phase B in phase A while stirring
- 3. Introduce phase C in phase A+B while stirring. Homogeneize at 50°C with Ultra Turrax
- 4. Add phase D at 30°C. Adjust pH to pH 6,1-6,3

Specifications:

pH = 6,27

Viscosity = 70 000 mPas (Brookfield RVT, spindle C, 20 rpm)





UNIVERSAL CC EYE PERFECTOR

se	Ingredients	INCI	% by weight	Function
A	Dehymuls® PGPH	Polyglyceryl-2 Dipolyhydroxystearate	5.00	Emulsifier (W/O)
n n n n	Lameform® TGI	Polyglyceryl-3 Diisostearate	2.00	Emulsifier (W/O)
B 8 6	Cutina® PES	Pentaerythrityl Distearate	1.50	Structurant
5 5 5	Cosmedia® Gel CC	Dicaprylyl Carbonate, Stearalkonium Hectorite, Propylene Carbonate	7.00	Rheology modifier
	Cetiol® Sensoft	Propylheptyl Caprylate	7.00	Emollient
0 0	DOWSIL 9041 Silicone Elastomer Blend (Dow Corning)	Dimethicone, Dimethicone Crosspolymer	2.00	Skin feel modifier
В	Water, demin.	Aqua	56.94	
D o O	1,3-Butanediol	Butylene Glycol	2.00	Humectant
	Magnesium Sulfate	Magnesium Sulfate	1.00	Stabilizer
0 0	Preservative		q.s.	Preservative
5 "	*Cetiol® A	Hexyl Laurate	4.00	Emollient
4 4	Cetiol® C 5C	Coco-Caprylate/Caprate	4.00	Emollient
n 1 _n	DK-PGT Paste Ti	Polyglyceryl-2 Triisostearate, Titanium Dioxide, Aluminum Hydroxide	3.00	Colorant
7 17	(Daito Kasei Kogyo)			
ο, ͺ	Chione™ M SVA	Synthetic Fluorphlogopite, Lauroyl Lysine	2.00	Skin feel modifier
*	Timica® Terra Yellow MN4502	Mica, Iron Oxides, Titanium Dioxide	1.10	Effect pigment
	*Timica® Terra Red MN4506	Mica, Iron Oxides, Titanium Dioxide	0.33	Effect pigment
	Timica® Terra Black MN4498	Mica, Iron Oxides, Titanium Dioxide	0.13	Effect pigment
	Seanactiv™ BC10113	See Composition Sheet	1.00	Active ingredient

	Specifications			
	Viscosity (Brookfield; RVT; spindle TC, Helipath; 20 rpm; 20°C)		1700	00 mPa s
, , 0	Áppearance	•	Beige fluid	

Proces

- 1. Heat Phases A and B to 80°C under stirring.
- 2. Add Phase C into Phase A under stirring.
- 3. Add Phase B into Phase A+C under stirring.
- 4. Add phase D under strirring.
- 5. Cool down to 30°C, then add Phase E under stirring.

Seanactiv

Use the power of fucoidan to quickly eras eye-aging and improve healthy radiance



Algae extract, concentrated and characterized in fucoidan, well-known for healthy benefits



The eye-contour partner to beautify your eye contour, thanks to a demonstrative *in vitro* results: **HO-1, Collagen I, and SIRT-1**.



3-step action of the Eye-coach to rejuvenate the eye contour, with visible and express results from the first week, allowing to reduce dark circle, wrinkles and dullness (luminosity).





Dark circles are reduced Crow's feet are fading The eye contour looks healthier, fresher

Contact us! Order a Sample!

- North America Care Creations website: https://carecreations.basf.us/login?return=/
- Meg Mullen: Margaret.mullen@basf.com
- Allison Garlet: Allison.garlet@basf.com



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