

Beauty Creations
The Passion for Beauty



- 1 | The Challenge
- 2 | The Solution
- 3 | Efficacy Data
- 4 | Summary & Conclusion



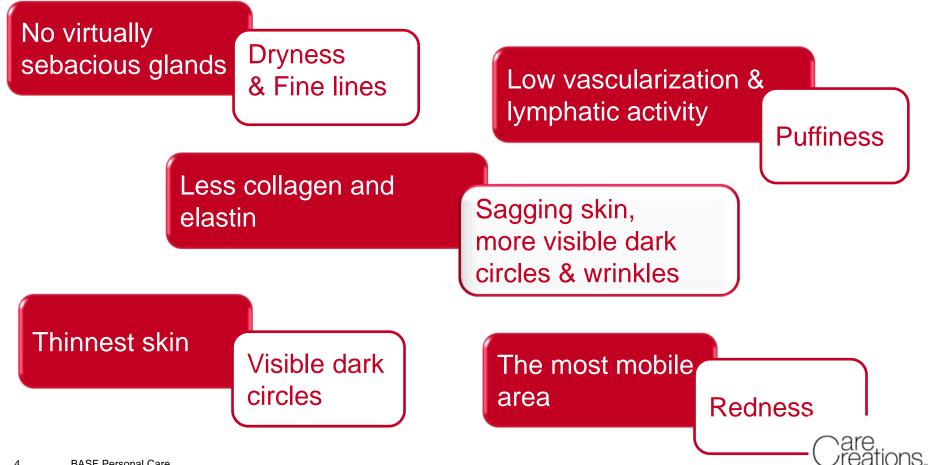
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Skin Around the Eyes **Special Features at a Glance**



All of these factors make the eye area the first place where signs of aging appear on the face.

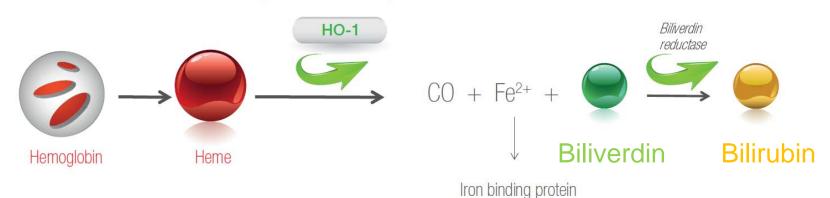


The New Target Heme Oxygenase-1 (HO-1)



HO-1 catabolizes the degradation of heme into helpful by-products

Stimulation of HO-1 by Shadownyl™



Pro-inflammatory
Cytotoxic
Pro-oxidant

Anti-inflammatory
Anti-apoptotic
Antioxidant

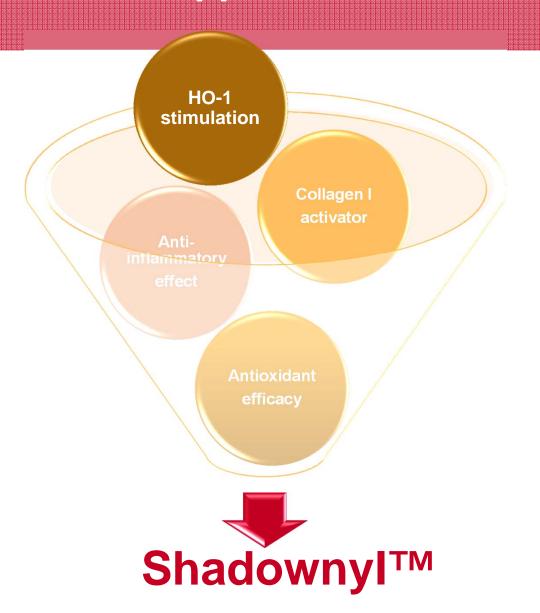


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A Multifunctional Approach







ShadownylTM Why is it unique?



An aqueous Fucus vesiculosus extract



Class/Family: Phaeophyceae/Fucaceae

Its origin

- Harvested by hand for its premium quality from spring to autumn in the vicinity of the Gulf of Maine on the east coast of Canada.
- Certified organic wild algae fertilized by the nutrient-rich water of the shores of Gulf.
- From a world-class natural wonder, pollutant free region protected by USA and Canada.
- USA & Canada currently maintain complementary embargoes against offshore oil and gas exploration activities in the Gulf highlighting the importance of this marine habitat.



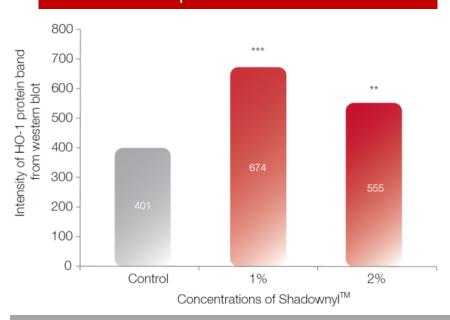
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HO-1 Stimulation



Shadownyl[™] provides effective induction of HO-1 protein in fibroblasts

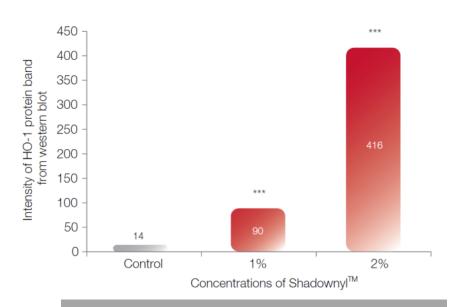


In vitro study

Western blot on protein HO-1 level by treatment of **Shadownyl™** in Fibroblasts.

Mean \pm SD on 3 assays – Paired Student's t test - **p < 0.01- ***p < 0.001

Shadownyl™ provides effective induction of HO-1 protein in keratinocytes



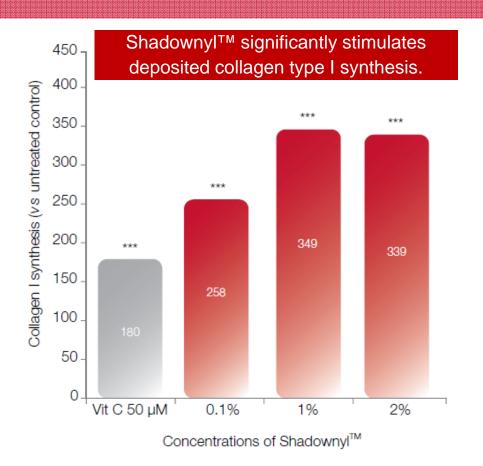
In vitro study

Western blot on protein HO-1 level after treatment by **Shadownyl™** in keratinocytes.

Mean \pm SD on 3 assays – Paired Student's t test - **p < 0.01- ***p < 0.001







Mean ± SD on 3 assays in triplicate — Student's t test - *: p<0.05 - ***; p<0.001.

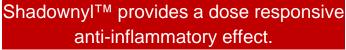
In vitro study

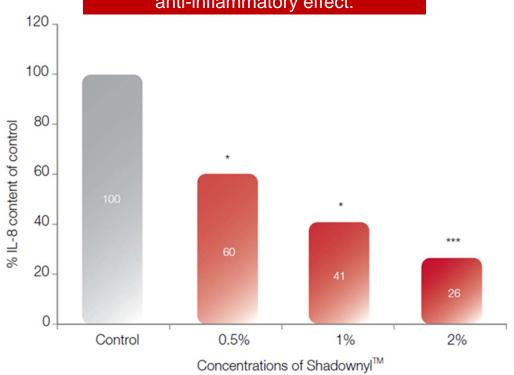
Dosage of deposited collagen I quantified by using our patent pending method (DELFIA®).



Anti-Inflammatory Effect



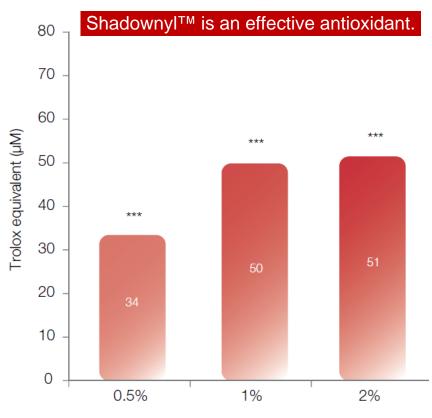




Measurement of the decrease in IL-8 levels by the treatment of keratinocytes with ShadownylTM while being stimulated by IL-1b.

Antioxidant Efficacy





Concentrations of Shadownyl™

In vitro study
Evaluation of the free radical scavenging properties using DPPH method.

○are ○reations..

Dark Circles Color



After ONLY 2 week treatment with 2% ShadownyI™

FIRST *in vivo* study

- •Shadownyl™ at 2%, twice a day application using fingertips to gently smooth the product over the eye area
- 27 Caucasian women aged between 18-65 years old with dark circles
- •Analysis of images from the Canfield VISIA-CR®



Before treatment



2 weeks

*statistically significant vs. baseline

Visible decrease of dark circle color



Dark Circles Area



After ONLY 2 week treatment with 2% ShadownyI™

89% of panelists felt the eye area had a smoother texture



74% of panelists felt the eye area looked more visibly refreshed





2 weeks

Area of dark circle after 2-week treatment

*statistically significant vs. baseline at both 1 and 2 weeks

Visible decrease of dark circle area



Wrinkles Visible Anti-wrinkle Effect



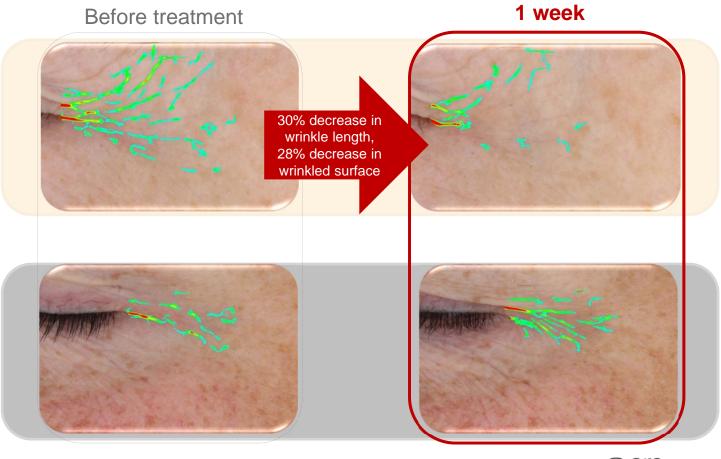
After ONLY 1 week treatment with 2% ShadownyI™

Group 1: 2% Shadownyl™

SECOND in vivo study

- •Shadownyl™ at 2% (Group 1)
- •Placebo cream (Group 2)
- •Twice daily application
- •22 Caucasian women aged between 36-65 years old with fine lines and crow's feet wrinkles (2 groups)
- •Analysis of images from the Canfield VISIA-CR®

Group 2: placebo





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Shadownyl™ R11026 Summary of Tests



In vitro

- Heme oxygenase-1 stimulation in keratinocytes and fibroblasts breaks down Heme into antioxidant and anti-inflammatory compounds, reducing dark color
- Collagen synthesis
- Antioxidant activity
- Anti-inflammatory effect

In vivo (quantitative measurements)

In only 2 weeks....

Decreases dark circle color and area

In only 1 week....

Decreases wrinkle length by 30% and total wrinkled surface by 28%



ShadownyI™ R11026

The Eye Contour Luminizer

INCI: Water, Algae Extract, Hexylene Glycol, Capryl Glycol, Xanthan Gum





Product Properties

Dose of use: 2%

Solubility: water-soluble Shelf life: 12 months Preservatives: none

Benefits & Unique Selling Point

(1)

(3)

- In ONLY 1 WEEK, provides a significant anti-wrinkle effect
- Within 2 weeks, lightens and reduces the appearance of dark circles
- Stimulates expression of the novel pathway, HO-1
- Boosts the elimination of heme due to blood leakage, which is responsible for dark circles and local inflammation
- Rejuvenates and refreshes eye contour: enhances skin firmness and reduces the appearance of dark circles

Formula suggestion: Illuminating Eye Gel Cream SC-US-13-31661-69-1

Chinese Regulations

INCI 2007 (2)	INCI 2010 (3)	IECSC (4)	IECIC (5)
\checkmark	✓	✓	√
	INCI 2007 ⁽²⁾	INCI 2007 (2) INCI 2010 (3)	INCI 2007 (2) INCI 2010 (3) IECSC (4)

INCI name/plant name whether or not listed in 'MOH Approved Used Cosmetic Ingredients (2003)

INCI name whether or not listed in "International Cosmetic ingredient standard Chinese name" (2007 version)

INCI name whether or not listed in "International Cosmetic ingredient standard Chinese name" (2010)

INCI name whether or not listed in "IECSC (Inventory of Existing Chemical Substances (October 2010)

INCI name whether or not listed in "IECSC (Inventory of Existing Chemical Substances (2012-2013, batch #1-3)





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