

ACTIVE
INGREDIENTS

ABYSSINE[®] 657

PROTECTION FOR
SENSITIVE SKIN

Exopolysaccharides from
extremophile living in
deep sea hydrothermal vent

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Protect the skin against chemical,
mechanical and UV aggressions



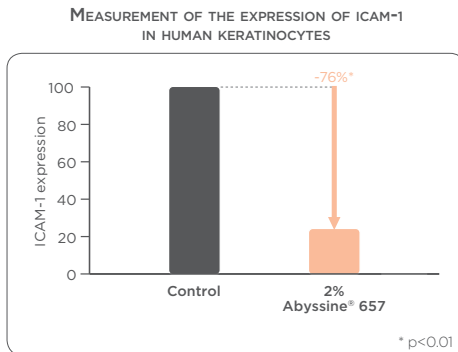
ABYSSINE® 657 AN EXOPOLYSACCARIDE THAT SOOTHES AND REDUCES IRRITATIONS CAUSED BY CHEMICAL, MECHANICAL AND UV AGRESSIONS.

In the deepest Abyssal zone, exceptional micro organisms are living 3000 meters down. In this very hostile environment where life conditions are unbearable, chimiosynthesis seems impossible, but... resistance and adaptation abilities are translated in Deepsan, heart of Abyssine® 657*, a real "survival molecule". Synthesized by a micro organism located in hydrothermal deep vents, it soothes and reduces irritation of sensitive skin against chemical, mechanical and UVB agressions.

SENSITIVE AND REACTIVE SKIN IMPROVEMENT

In preventive application, Abyssine® 657 reduces the expression of ICAM-1, a skin stress marker involved in the skin reactivity cascade. The expression of ICAM-1 is normally at very low concentration but is increased under the effect of stress agents like allergens, various chemicals or physical agressions.

Abyssine® 657 represents a powerful active to reduce skin reactivity.

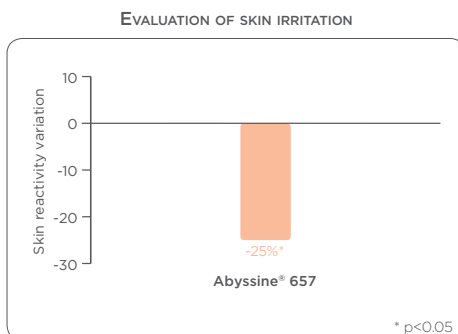


Soothing effect evaluated by a stinging test

Test protocol

20 volunteers applied a 0.5% Abyssine® 657 cream, 2x/day for 28 days. Irritation was then induced by lactic acid application to the nasogential groove. After application, volunteer's sensations were evaluated following a specific reactivity scale.

Abyssine® 657 leads to a reduction of cutaneous reactivity to chemicals (lactic acid) by 25%.

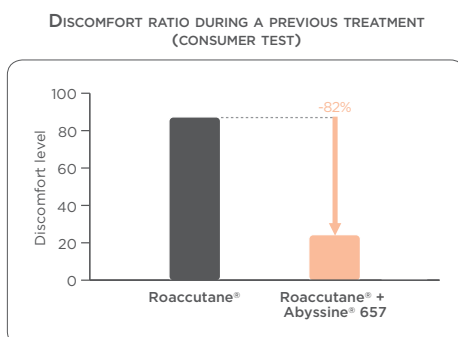
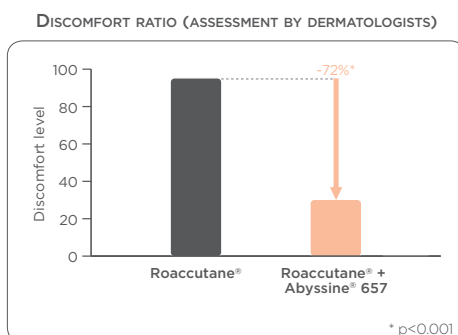


Efficacy on skin discomfort

Test protocol

40 volunteers receiving Roaccutane® prescription + cream containing 3% Abyssine® 657, 2x/day for 28 days. Acne treatment (Isotretinoin, Roaccutane®) was chosen as an experimental model generating cutaneous irritation conditions. Assessment of skin conditions by dermatologists and volunteers.

Abyssine® 657 strongly reduces irritation, skin discomfort and provides optimal soothing benefits for people suffering from acne and skin irritations.



* Abyssine® 657 was developed in collaboration with IFREMER, a French Research Institute specialized in ocean and marine activities.

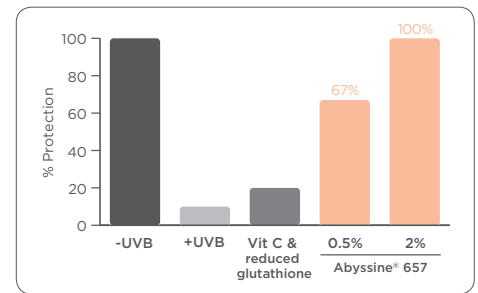
SUN EXPOSURE PROTECTION

Protection from UVB

Abyssine® 657 provides very effective protection of Langerhans cells, the skin's immune defence system sentinels, when submitted to UVB radiation.

Abyssine® 657 provides protection against UV-damage and helps maintain an optimal skin defence system.

PROTECTION OF LANGERHANS CELLS AGAINST UVB



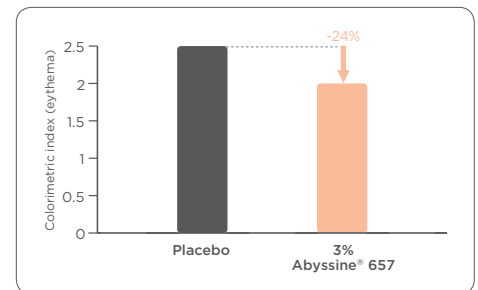
Reduction of skin redness

Test protocol

7 volunteers used a 3% Abyssine® 657 cream or placebo after UV irradiation (1 MED). Erythema was evaluated by colorimetric measurement.

Abyssine® 657 is designed to soothe and attenuate the effects of sunburns.

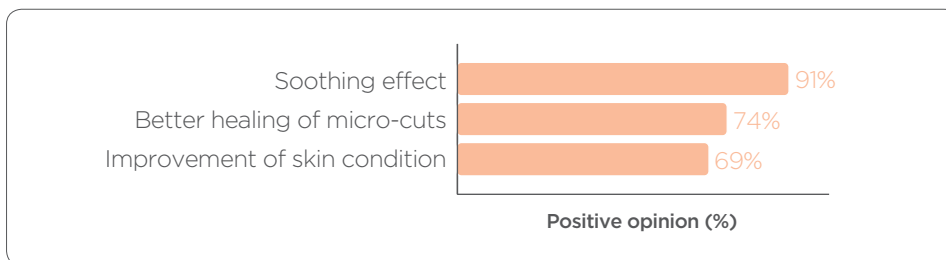
EVALUATION OF UV-INDUCED ERYTHEMA



PROTECTION FROM MECHANICAL AGGRESSION

Test protocol

77 men shaving manually, using an after shave balm with 3% Abyssine® 657 for 15 days.



Shaving is also a form of mechanical stress for the skin on a daily basis. Abyssine® 657 provides total satisfaction to consumers. It calms razor burns, leads to better healing of shaving micro-cuts and improves softness of the skin.

ABYSSINE® 657 IS THE BEST PROTECTION FOR SENSITIVE SKIN AGAINST CHEMICAL, MECHANICAL AND UVB AGGRESSIONS.

PRODUCT DESCRIPTION

INCI NAME

Water (1) (and) Butylene Glycol (2) (and) Alteromonas Ferment Extract (3)

CAS

7732-18-5 (1), 107-88-0 (2), 267233-41-0 (3)

EINECS

231-791-2 (1), 203-529-7 (2), - (3)

APPEARANCE

Slightly jellified liquid, colorless to beige, translucent.

FORMULATION

Abyssine® 657 should be incorporated at the end of the formulation at a temperature of 25/30°C.

DOSAGE

0.5 to 5%

OPTIMUM pH

4.5-8.5

APPLICATIONS

- Anti-irritant
- Skin care for sensitive and reactive skin
- Sun and after sun skin care
- Repairing and restructuring skin care
- Daily skin care
- Daily gentle protection
- Protection against pollution
- Baby care
- Men's care
- Body care
- Wound healing
- Acne care
- Cosmeceutical

FEATURES AND BENEFITS

FEATURES	BENEFITS
Exopolysaccharides from unique origin from the Abyss of the ocean	Offers sustainable and eco-friendly active
High clinical efficacy	Low dosage (starting at 0.5%)
Clinical efficacy on men on mechanical aggression	Soothes the skin and helps heal micro-cuts caused by shaving
Clinical efficacy on UVB radiation	Provides protection against UV damage and helps maintain optimal skin defence system
Clinical efficacy on severe skin discomfort	Provides optimal soothing action for people suffering from acne and skin irritation

AFTER-SHAVE BALM

INGREDIENTS	INCI NAME	%
A Demineralized Water Sepigel 305	Water Polyacrylamide (and) C13-14 Isoparaffin (and) Laureth-7	qsp 3.00
B Lanol 1688 Abil 8839	Cetearyl Ethylhexanoate Cyclopenta (and) Cyclohexasiloxane	5.00 3.00
C Irgasan DP300 Ethanol	Triclosan Alcohol	0.20 4.00
D Hydroxan® CH Phenonip	Glycerin (and) Propylene Glycol (and) Sorbitol (and) Carboxymethyl Chitin (and) Panthenol (and) Sodium Hyaluronate Phenoxyethanol (and) Methylparaben (and) Ethylparaben (and) Butylparaben (and) Propylparaben (and) Isobutylparaben	5.00 0.70
E Abyssine® 657	Water (and) Butylene Glycol (and) Alteromonas Ferment Extract	3.00

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