

ALPIN HEILMOOR EXTRACT™ (AHE)

The natural solution for acne-prone skin

INCI: PEAT EXTRACT



> 80 %

... suffer from acne at some point in their lives

> 230 Mio

... are affected every year

Acne vulgaris

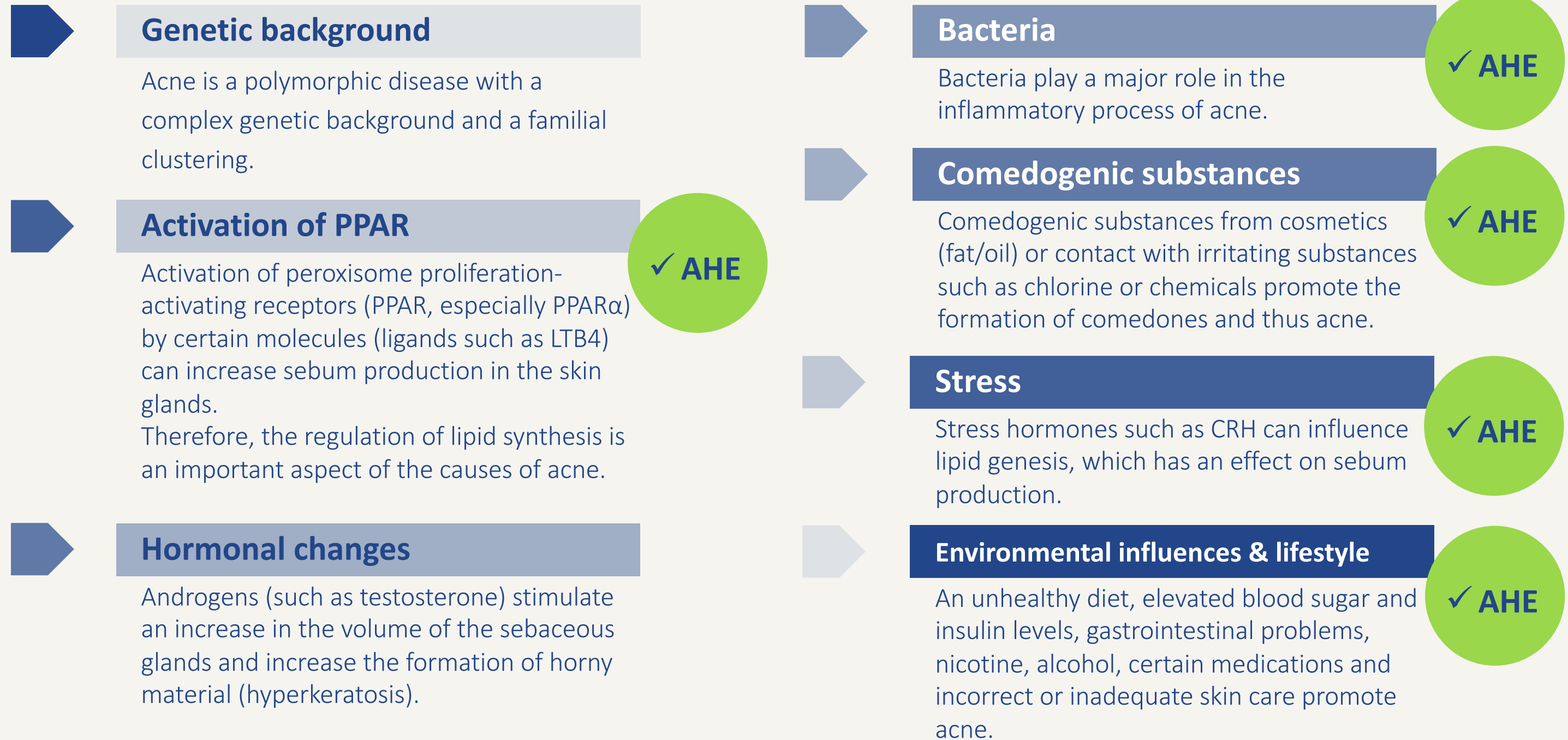
- is the **most common skin disease worldwide**
- is chronically inflammatory and not contagious
- occurs particularly during puberty, but can affect people of any age
- affects more than 80 % of people worldwide at some point in their lives.
- 15 % to 30 % of cases are so severe that they require medical treatment.

Worldwide (2019), 231.2 million people are affected by acne*, compared to 156.7 million 30 years ago. The prevalence has thus increased from 26.4 to 30.8 per 1,000 person-years, and in 23 countries (including Portugal, Germany and the USA) the prevalence is even over 50.

* However, many cases of acne are probably not even diagnosed and treated, especially in poorer countries, so the available figures probably underestimate the burden of the disease.

Causes of acne

The causes that lead to the development of acne are varied and include:



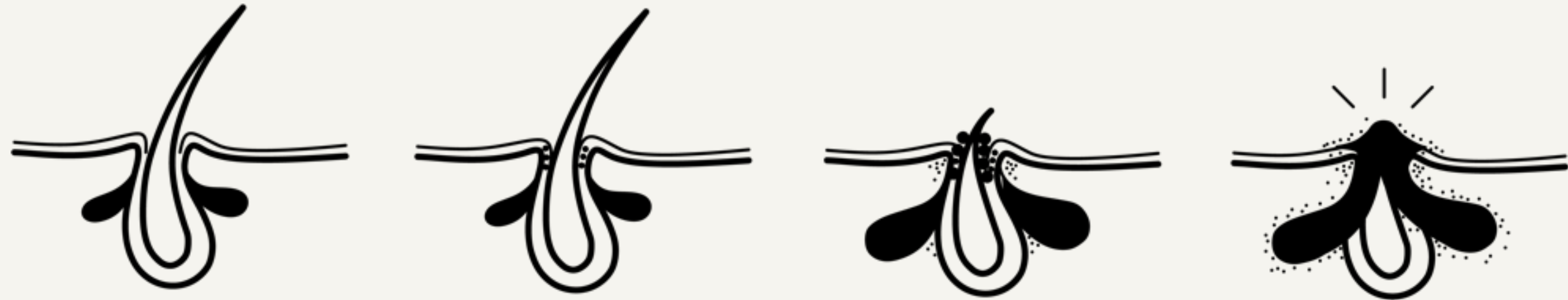
Types and symptoms

- Affects mainly the **face, neck, décolleté**, back and outer upper arms.
- The acne skin is greasy and oily-shiny and covered with numerous **comedones** (blackheads) ("acne comedonica").
- The comedones can develop into inflammatory **papules** and **pustules** ("acne papulopustulosa").
- In severe cases, the disease develops into "acne conglobata", with additional skin changes such as large **inflammatory nodules**, encapsulated pus collections (abscesses), deep **scars** and crusts.
- Acne is characterized by **painful infections, redness** and **inflammation**, but also **swelling, itching** and **pressure pain** as well as dry, cracked skin. The latter can be explained by the fact that the distribution of sebum is disturbed, resulting in a lack of skin protection elsewhere.
- In addition, acne is often accompanied by **psychological and social problems**.



Pathogenesis of acne – Sebum, Cornification, Inflammation

The development of acne is characterized by **increased sebum production** (seborrhoea) and **cornification disorders** (hyperkeratosis) at the exit of the sebaceous follicle. Increased dead skin cells prevent the sebum from flowing out through the pores. This leads to the formation of closed (white) and open (black) **comedones** (blackheads). If **bacteria** multiply, **inflammation** occurs and **papules** (pea-sized, hemispherical nodules located above the skin level), **pustules** (0.5 cm "blisters" in the skin filled with pus and surrounded by a ring-shaped reddening of the skin) and **nodules** form, which can subsequently lead to **scarring**.



Healthy skin

- Sebaceous glands produce **sebum** to protect the skin and hair from drying out and as a skin **barrier** and **microbiome** against harmful influences, pathogens and chemicals

Keratinization

- Due to a **keratinization disorder** (hyperkeratosis), dead skin cells accumulate, and **sebum can no longer drain away**
- Breeding ground for **bacteria**

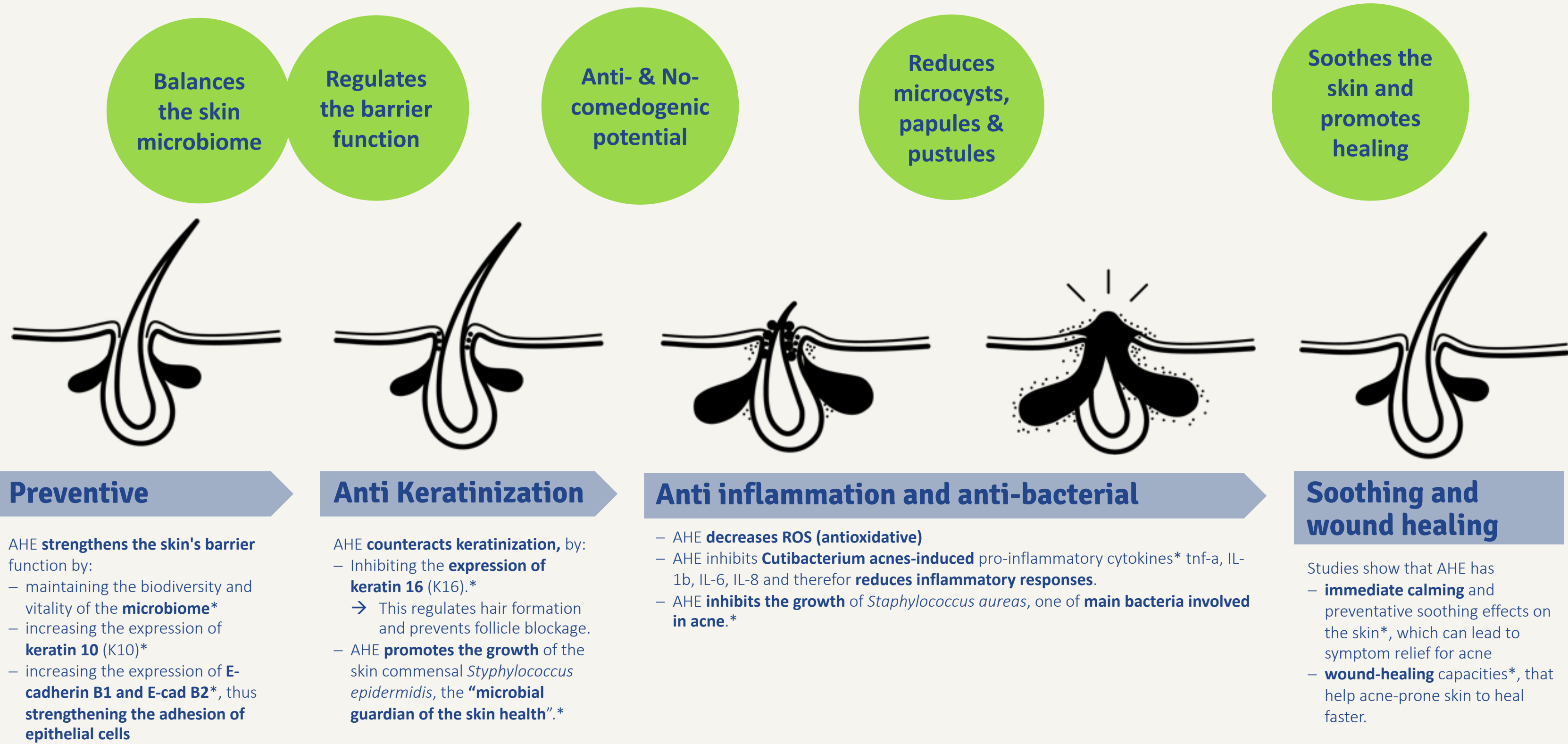
Comedones

- **Bacteria** multiply
- The **balance** of the skin is **destroyed**
- **Increased sebum** production
- **Hair follicle inflammation**

Acne

- **Papules** and **pustules** appear
- Follicle wall bursts
- Bacteria cause **inflammation**
- The skin is inflamed and dry at the same time

Mode of action of ALPIN HEILMOOR EXTRACT™ for acne-prone skin



Preventive

AHE **strengthens the skin's barrier** function by:

- maintaining the biodiversity and vitality of the **microbiome***
- increasing the expression of **keratin 10 (K10)***
- increasing the expression of **E-cadherin B1 and E-cad B2***, thus **strengthening the adhesion of epithelial cells**

Anti Keratinization

AHE **counteracts keratinization**, by:

- Inhibiting the **expression of keratin 16 (K16)***
 - This regulates hair formation and prevents follicle blockage.
- AHE **promotes the growth** of the skin commensal *Styphylococcus epidermidis*, the **“microbial guardian of the skin health”.***

Anti inflammation and anti-bacterial

- AHE **decreases ROS (antioxidative)**
- AHE inhibits **Cutibacterium acnes-induced** pro-inflammatory cytokines* tnf-a, IL-1b, IL-6, IL-8 and therefor **reduces inflammatory responses.**
- AHE **inhibits the growth** of *Staphylococcus aureas*, one of **main bacteria involved in acne.***

Soothing and wound healing

Studies show that AHE has

- **immediate calming** and preventative soothing effects on the skin*, which can lead to symptom relief for acne
- **wound-healing** capacities*, that help acne-prone skin to heal faster.

MODE OF ACTION OF AHE

Key benefits of AHE for acne-prone skin

- **Natural Multi-Action:** AHE offers a natural, multi-faceted approach to acne with **antimicrobial, anti-inflammatory, and antioxidant** properties.
- **Keratinocyte Modulation:** AHE helps regulate keratinization, potentially **preventing pore clogs and comedone formation.**
- **Balances Microbiota:** **Promotes beneficial microbes** while **inhibiting harmful bacteria**, supporting a balanced skin microbiome.

CLINICAL STUDIES

The natural solution for acne-prone skin



CLEANSING

(1.5% AHE)

Pollution (-16,3%)

Sebum (-22%)

Microcysts (-19%)

Papules (24%)



CREAM

(2.5% AHE)

Microcysts (-34%)

Papules (-46%)

Pustules (-42%)

Global lesions (-33%)



ADDITIONAL:

Instant hydration – anti-wrinkle

Skin complexion

Immediate Soothing

Preventive Soothing

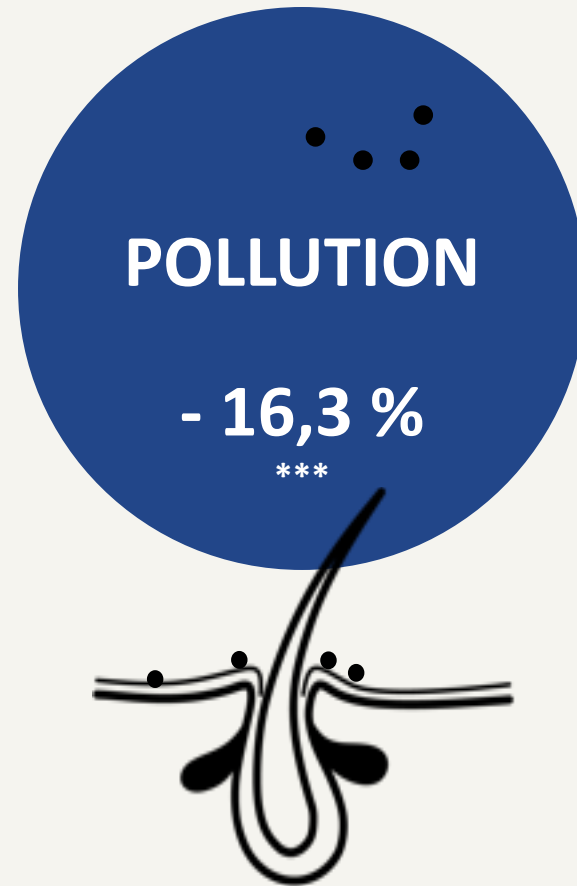
Wound healing

Mode of action

JUST CONTACT US:

office@premium-organic.com

Instant enhancement after single application (cleansing) Reduction of anti-pollution (fine carbon microparticles)



The benefits of Alpin Heilmoor Extract single application of a base-cleansing gel were determined effectiveness in eliminating carbon microparticle deposit on skin

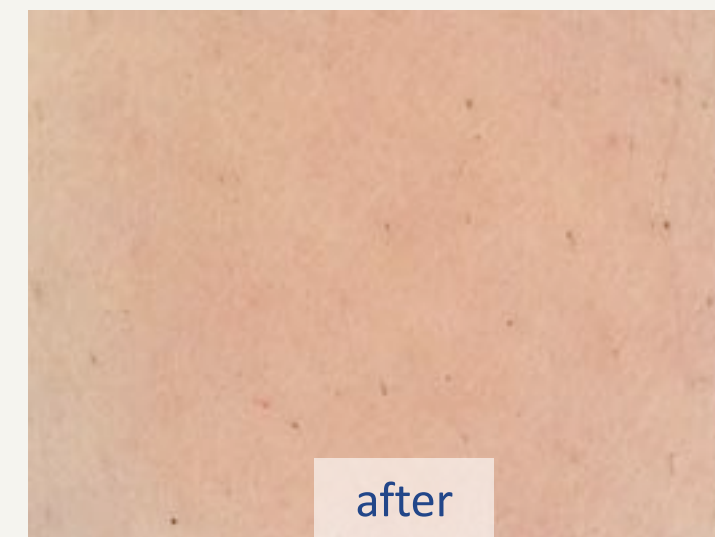
Results:

Alpin Heilmoor Extract™ (1,5%) shows a superior rinsing action for fine particles alongside detoxification and anti-pollution

No irritation potential was observed

Reduction of Pollution of Ø -16,3 % vs. Placebo

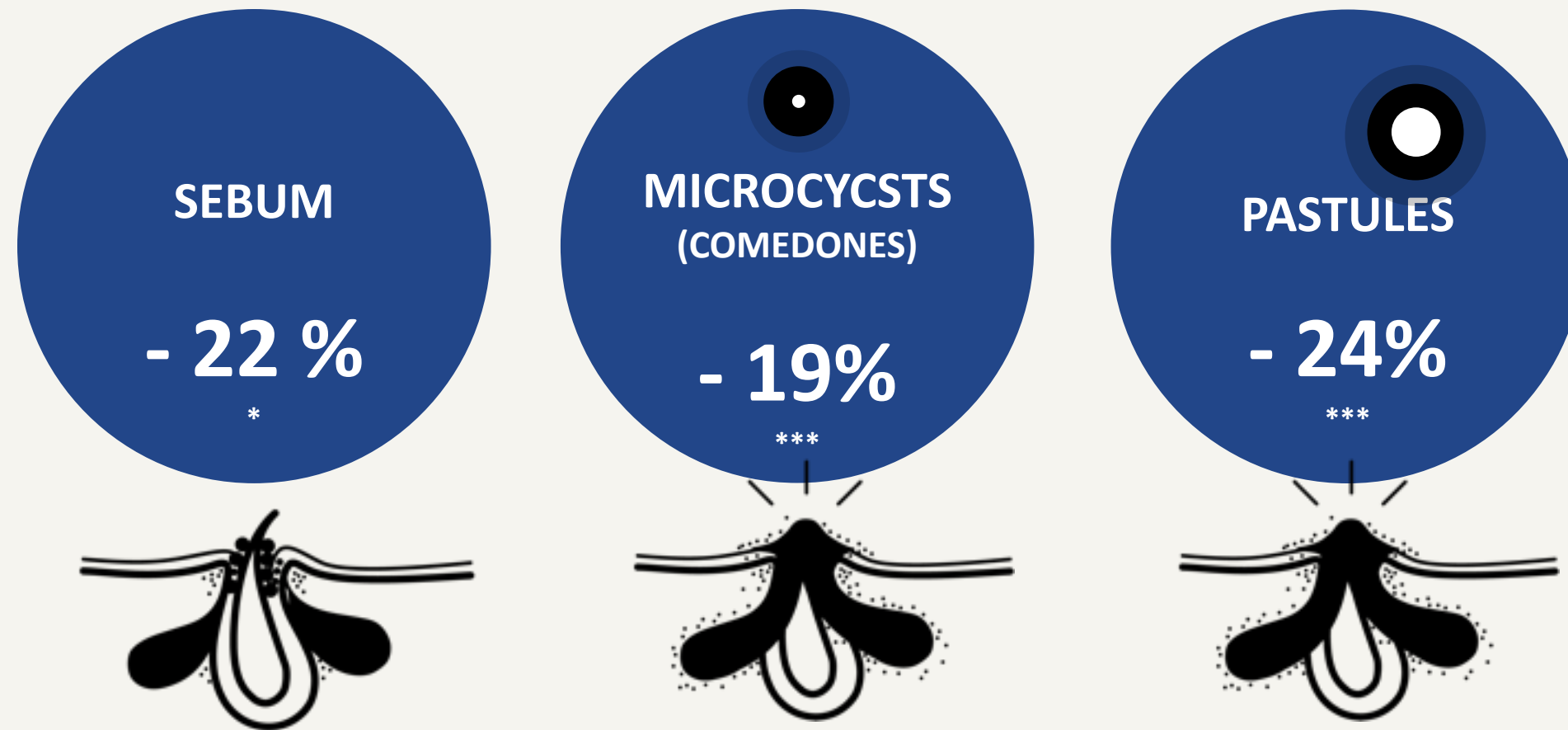
(HD photography) of volunteers forearm using 1,5% Alpin Heilmoor Extract



T-test vs placebo, T-test vs T0
Significance: p<0.001

Benefits for acne-prone skin after 21 days (cleansing)

Reduction of sebum, microcysts and pastules



The benefits of Alpin Heilmoor Extract **twice daily application** of a base-cleansing gel were determined by assessing sebum reduction efficacy , non-comedogenicity and anti-acne efficacy after 21 days.

Results:

Alpin Heilmoor Extract 1,5% significantly reduces acne lesions and improves skin appearance

No comedogenic potential was observed

Reduces sebum production by – 22%, open comedones by -19 % and of papules by -24 % vs T0.

T-test vs T0:

Significance: *p<0.05 **p<0.01 *** p<0.001

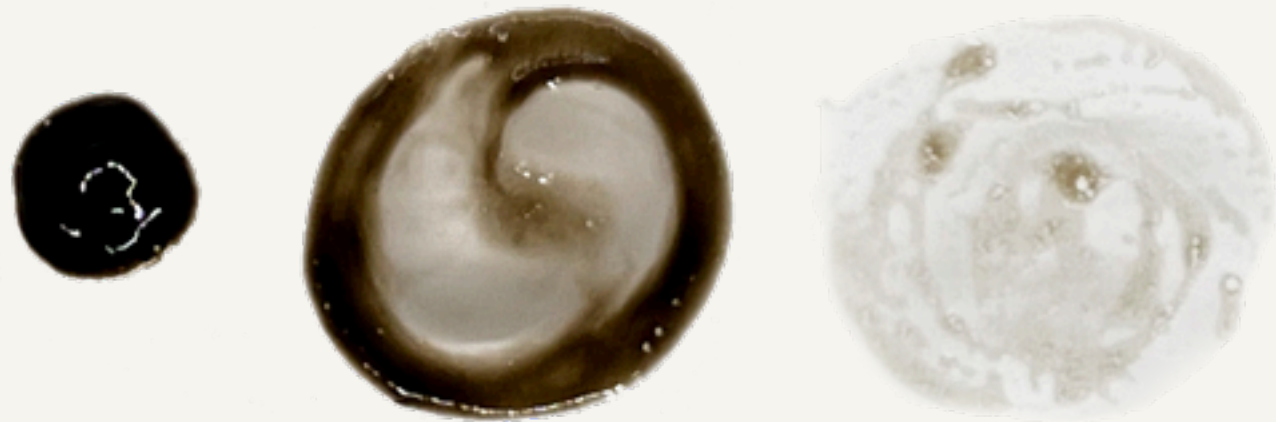
Benefits for acne-prone skin after 21 days (cleansing)

Reduction of pustules and global inflammatory lesions

Illustrative pictures (VISIA) of volunteers using Alpin Heilmoor Extract™ 1,5%

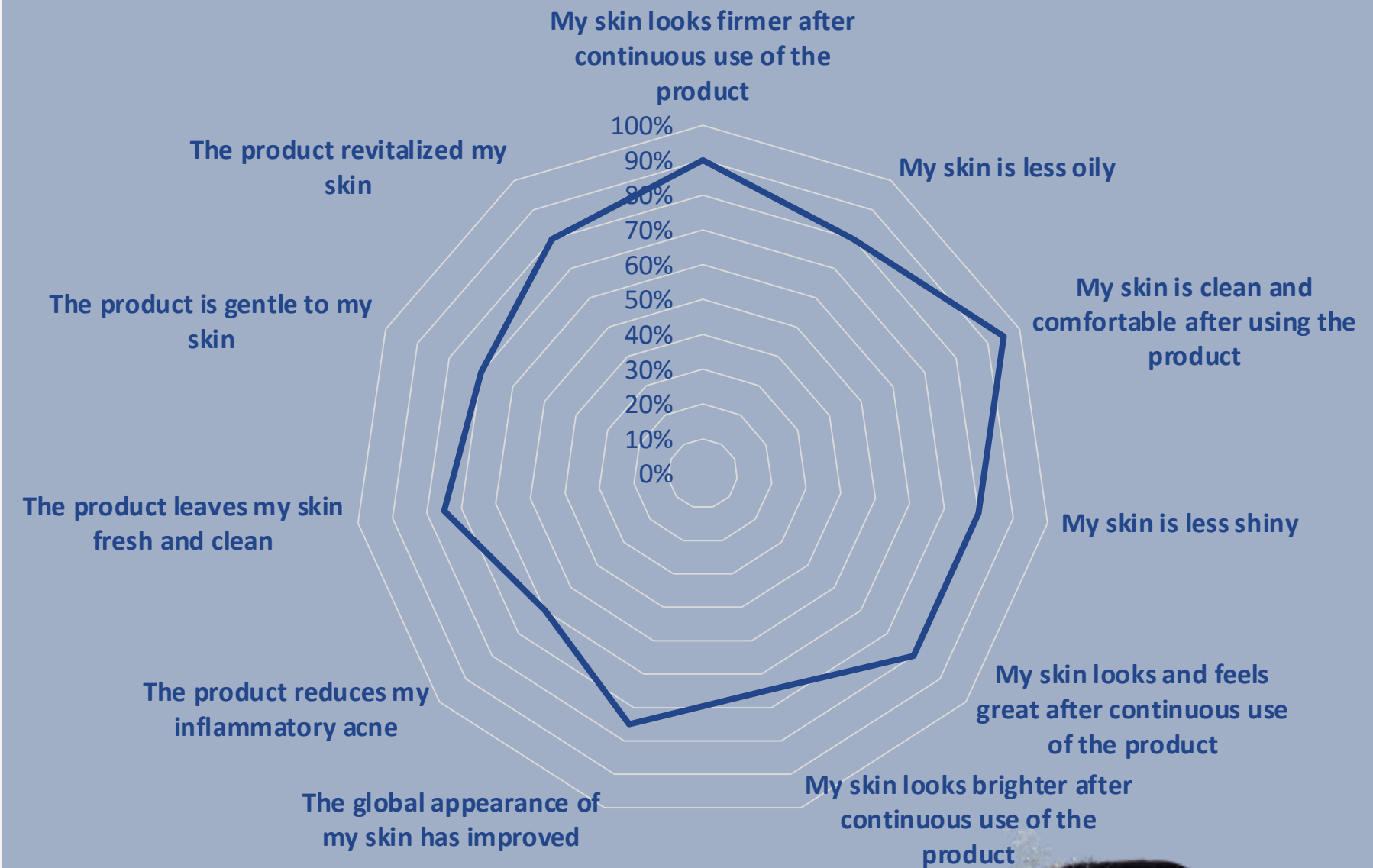


The anti-acne cleansing gel was **consistently rated favorably** by the **volunteers** and was **very well tolerated** and **appreciated**.



ANTI-ACNE EFFICACIES WITH **RINSE-OFF** PRODUCTS

	INGREDIENT / TRADE NAME	INCI	%
W	WATER, DEIONIZED	Aqua	65.15
T	KELTROL V	Xanthan Gum	1.50
	AMISOFT CS-22W	Sodium Cocoyl Glutamate + Disodium Cocoyl Glutamate + Water	15.00
	PLANTACARE 1200 UP	Lauryl Glucoside	1.75
D	PLANTACARE 2000 UP/MB	Decyl Glucoside	1.75
	PLANTACARE 818 UP	Coco Glucoside	8.00
	SYMDIOL 68	1,2-Hexanediol + Caprylyl Glycol	0.50
	SYMSAVE H	Hydroxyacetophenone	0.50
P	ALPIN HEILMOOR EXTRACT™ (AHE)	Peat Extract	1.50
	PERFUME NICE DAY 441411	Parfum	1.00
		Total:	100.00

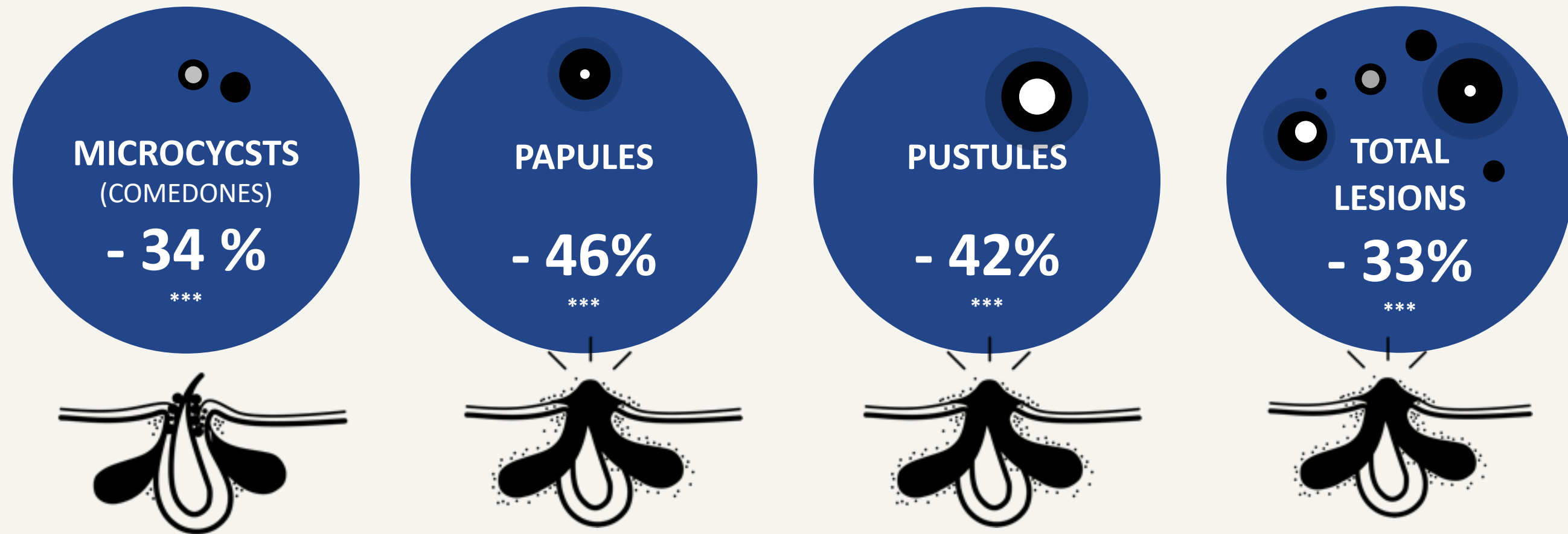


Alpin Heilmoor Extract™ (1,5%) in a cleansing product significantly decreases pollution, sebum production, microcysts and papules.

Alpin Heilmoor Extract™ shows no comedogenic potential.

Benefits for acne-prone skin after one month (leave-on)

Reduction of microcysts, papules and pustules



The benefits of Alpin Heilmoor Extract after **twice daily application** of a base cream were determined by assessing, non-comedogenicity and anti-acne efficacy after 28 days.

Results:

Alpin Heilmoor Extract 1,5% significantly reduces acne lesions and improves skin appearance

NO COMEDOGENIC POTENTIAL was observed

Reduction of Microcysts by – 34%, Papules by -46 %, Pustules by -42% and Total lesions by -33% vs T0.

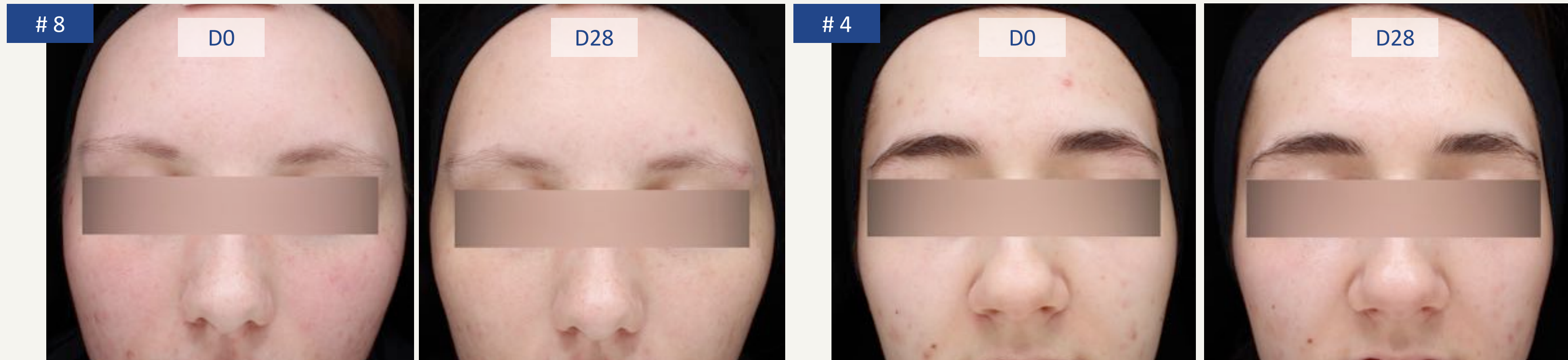
T-test vs T0:

Significance: *p<0.05 **p<0.01 *** p<0.001

Long-term benefits after one month

Reduction of microcysts, papules and pustules

Illustrative pictures (VISIA) of volunteers using Alpin Heilmoor Extract™ 1,5%

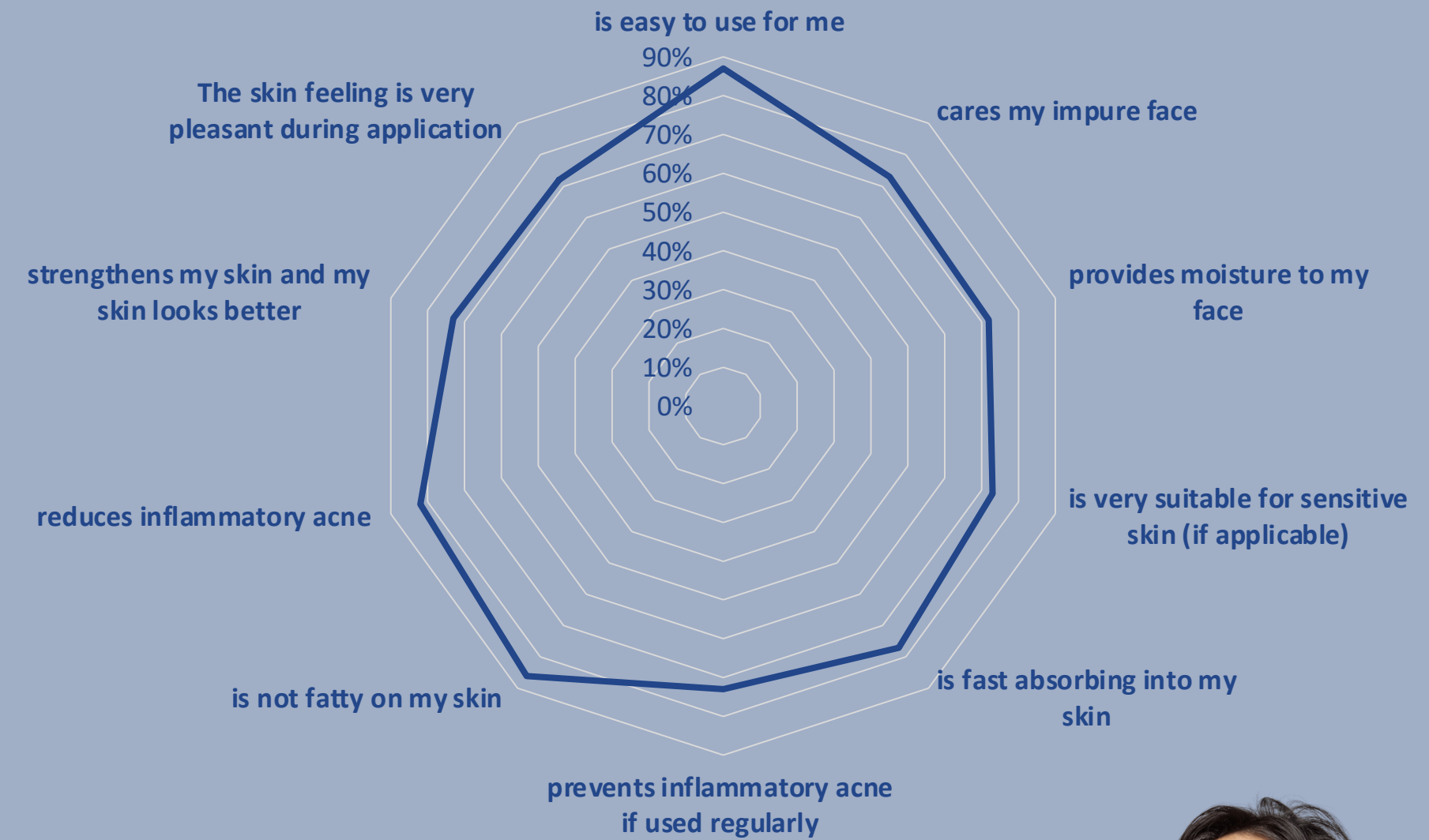


The anti-acne cream was **consistently rated favorably** by the **volunteers** and was **very well tolerated** and **appreciated**.



ANTI-ACNE EFFICACIES WITH **LEAVE-ON** PRODUCTS

	INGREDIENT / TRADE NAME	INCI	%
W	WATER, DEIONIZED	Aqua	66.75
T	KELTROL V	Xanthan Gum	1.75
D	AMISOFT CS-22W	Sodium Cocoyl Glutamate + Disodium Cocoyl Glutamate + Water	15.00
	PLANTACARE 1200 UP	Lauryl Glucoside	2.00
	PLANTACARE 2000 UP/MB	Decyl Glucoside	2.00
	PLANTACARE 818 UP	Coco Glucoside	9.00
	SYMDIOL 68	1,2-Hexanediol + Caprylyl Glycol	0.50
	SYMSAVE H	Hydroxyacetophenone	0.50
	P	ALPIN HEILMOOR EXTRACT™ (AHE)	Peat Extract
	PERFUME NICE DAY 441411	Parfum	1.00
		Total:	100.00



Alpin Heilmoor Extract™ (1,5%) significantly decreases in a cream reduces microcysts, papules and pustules - both inflammatory and non-inflammatory lesions - observed in acne-prone skin

Alpin Heilmoor Extract™ shows no comedogenic potential.

ALPIN HEILMOOR EXTRACT™ (AHE)

EUROPEAN BALNEOLOGY REWORKED



ORIGIN
– Sustainable sourced in Austria

WATERBASED PRODUCTION
– In Austria and Germany

PRESERVATION
– Preservative-free

SOLUBILITY
– 90 % water soluble

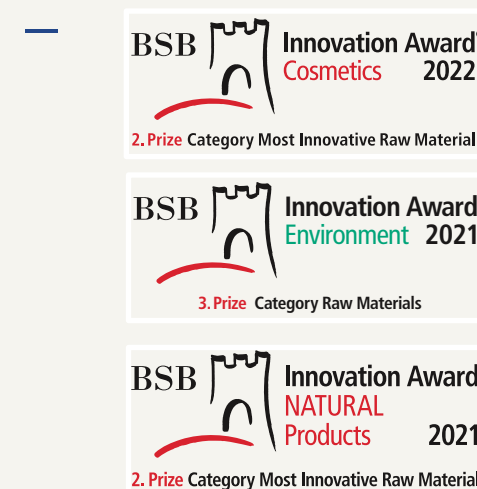
APPEARANDE
– Dark brown powder

DOSAGE
– From 0.1 % to 5.0 %

INCI
– PEAT EXTRACT

PROSESSING
– AHE is usually added as an extra phase at the end, before final homogenization. No special, separate predispersion is needed.
– Used with a pH-value of 4 to 12.

AWARDS



Benefits of AHE against acne: Combats causes & relieves symptoms

PREVENTIVE

Protects against environmental pollutants

Strengthens the skin barrier and (re)balances it

Is 100% natural and shows no comedogenic potential

ACUTE ACNE

Decreases comedones

Reduces (non-) inflammatory lesions (papules and pustules)

COMPLEXION & REGENERATION

Hydration and moisturizing effect

Immediate calming properties

Preventive soothing effect

Anti-inflammatory

Antibacterial

BRAND & FORMULATION BENEFITS

Wound healing capacity

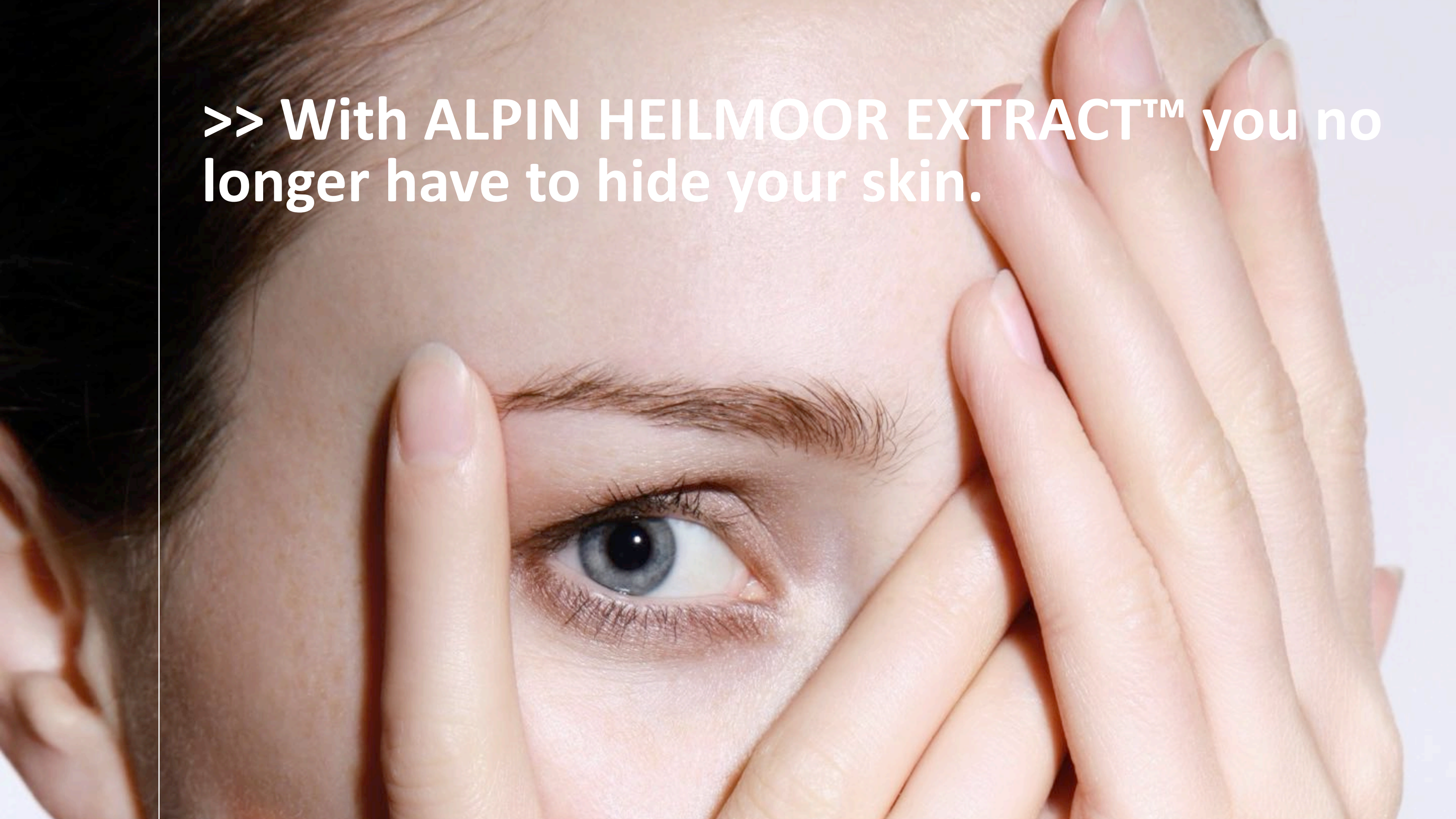
Works for a pH value of 5.5 to 6.0 %, which is favorable for acne

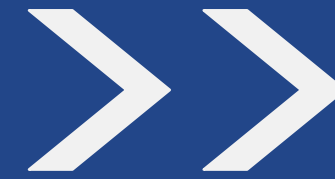
Works in leave-on and rinse-off formulations (range!)

Multifunctional active ingredient that gently treats multiple acne problems

AHE shows no side effects

>> With ALPIN HEILMOOR EXTRACT™ you no longer have to hide your skin.





EMAIL US FOR
A SAMPLE OF
ALPIN
HEILMOOR
EXTRACT™

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