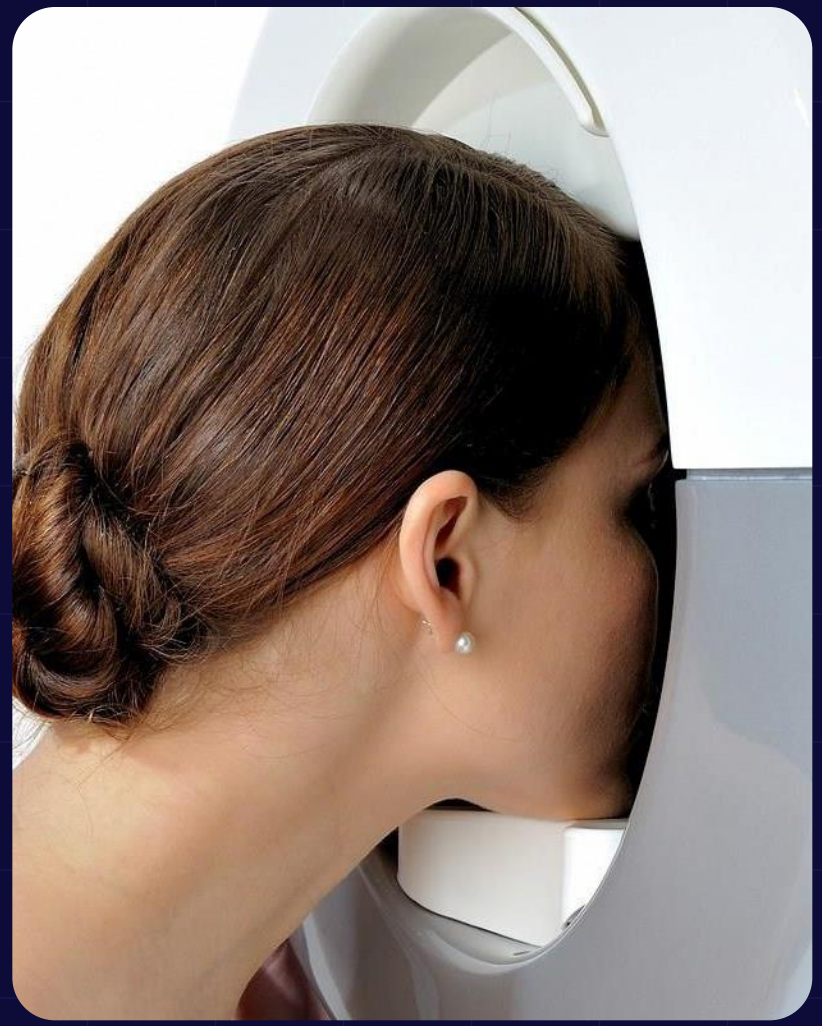
SkinLab

SPECIALISED RESEARCH AND CONSULTING LABORATORY

Testing Services Catalogue

SkinLab P.S.A. · Institute of Dermatology · Kraków

NEW · SkinLab Global Beauty Certification Ltd — UK



WWW.SKINLAB.PL

WWW.SKINLAB-GBC.COM

SKINLAB P.S.A. · UL. ZACISZE 6, 31-156 KRAKÓW, POLAND

A laboratory in the heart of Kraków

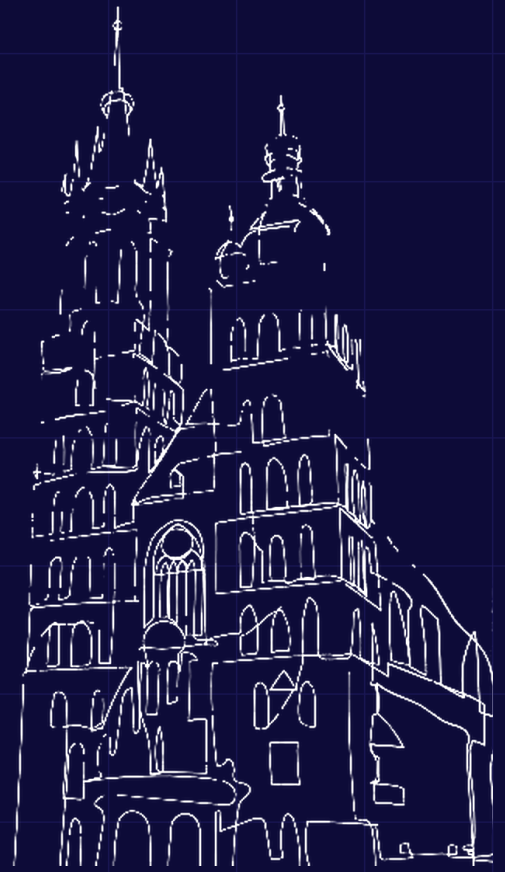
The Beauty of History. The Power of Science.

Behind the historic walls of Kraków's Old Town lies a world of scientific innovation.

A modern research laboratory, the Institute of Dermatology, and a team of passionate experts dedicated to advancing science and exploring new possibilities.

LABORATORY

INSTITUTE OF DERMATOLOGY





OUR BUILDING

WHAT WE OFFER

From testing to market launch

01

Testing

Dermatological, in-use and instrumental (40+ methods), physicochemical and microbiological.

02

Consulting

Marketing claims, product labelling, and REACH and CLP compliant documentation.

03

Safety assessment (CPSR)

Cosmetic Product Safety Report and Product Information File for the EU and UK.

04

Responsible Person (RP)

RP services in the European Union (SkinLab P.S.A.) and the UK (SkinLab GBC Ltd).

05

Notifications

Product notification on the CPNP (EU) and SCPN (UK) portals.

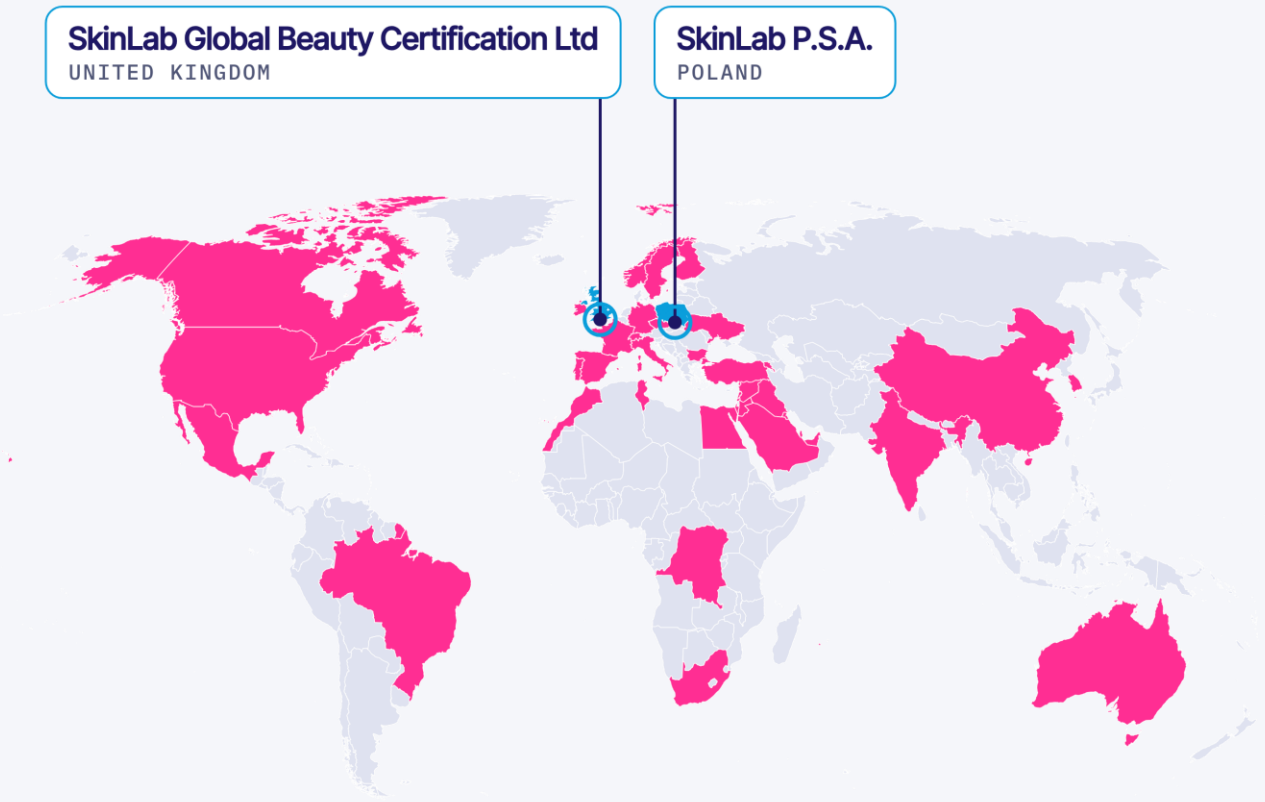
06

Expert opinions

Hypoallergenicity, safety for children and pregnant women, toxicological assessment.

Our own Institute of Dermatology — studies supervised by a dermatologist, ophthalmologist, paediatrician, gynaecologist and trichologist.

Trusted by clients in around 40 countries



OUR PURPOSE

We confirm the safety, quality and efficacy of

- cosmetics
- chemicals
- detergents
- food supplements

We guarantee complete professionalism, objectivity and confidentiality in everything we do.

NEW BRANCH · UNITED KINGDOM

SkinLab

GLOBAL BEAUTY CERTIFICATION

LTD · UNITED KINGDOM

Now open in the United Kingdom

SkinLab Global Beauty Certification Ltd is SkinLab's UK company. With one partner, one team and one set of tests, you can launch your product in both the European Union and the United Kingdom.

UK Responsible Person

A Responsible Person based in the United Kingdom

SCPN notification

Product notification on the UK portal

CPSR and PIF documentation

Safety assessment and documentation compliant with UK regulations

EU + UK from one partner

EU Responsible Person and CPNP notification through SkinLab P.S.A. in Poland

SCOPE OF TESTING

Over 40 instrumental tests across five areas

01	**Facial analysis**	VISIOFACE® RD: skin ageing map, skin reactivity, acne lesions, wrinkles, pigmentation evenness, comprehensive facial analysis
02	**Skin at micro scale**	Non-comedogenicity, sebum, skin sensitivity, inflammation, pores, 3D structure, vascular lesions, discolouration, wrinkles, exfoliation
03	**Biophysical probes**	Ultrasound, hydration, elasticity, TEWL, colorimetry, erythema, melanin, skin gloss, Skinfibrometer
04	**Hair and scalp**	Hair ratio, inter-follicular distance, hairs per unit, density, thickness; scalp sensitivity and condition, follicle openings, keratinisation, hair cuticle, heat protection
05	**Nails, lips, teeth, lashes and brows**	Cuticles and nail plates, lip plumping, teeth whitening, lash growth, brow density, SPF product removability

01

Facial analysis

Comprehensive facial imaging with VISIOFACE® RD — objective assessment of ageing, reactivity, acne lesions, wrinkles and skin tone before and after product use.

Skin ageing map	Skin reactivity	Acne lesions
Full-face wrinkles	Pigmentation evenness	Comprehensive facial analysis



01 · FACIAL ANALYSIS

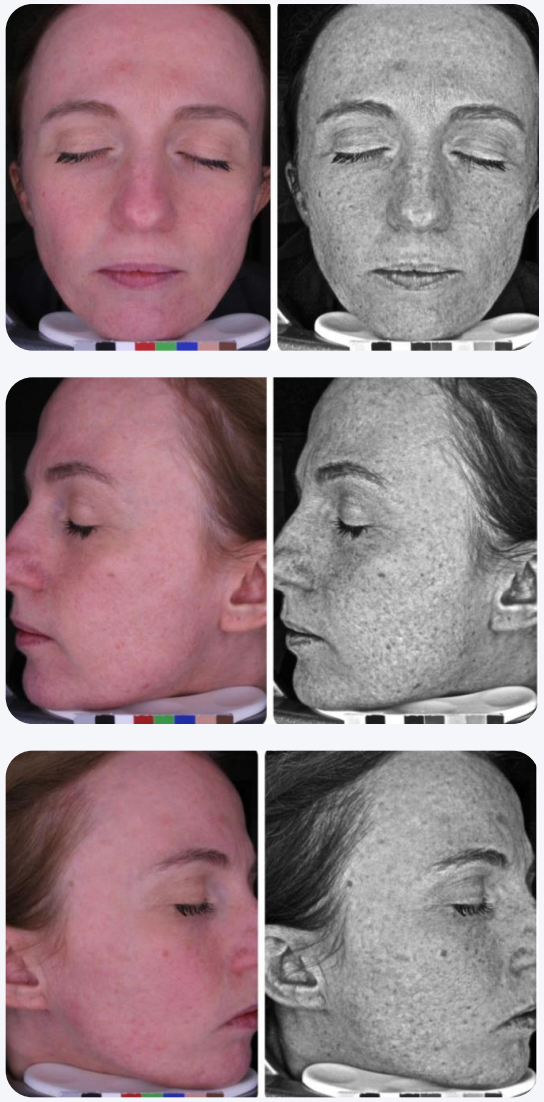
VISIOFACE® RD

The device performs comprehensive facial photography. With stable, uniform lighting, it is the ideal tool for cosmetic efficacy studies.

An LED-lit station and a high-resolution camera capture detailed frontal or lateral images of the face,
allowing before-and-after comparison following use of a cosmetic product.

210
white LEDs for uniform lighting

before / after
comparison of frontal photos



01 · FACIAL ANALYSIS

Skin ageing map

A visual map of the skin showing areas affected by chronic ultraviolet (UV) exposure. The analysis uses specialist lighting and image-processing algorithms to reveal changes invisible to the naked eye.

Results are shown as a graphic map in which colour intensity reflects the degree of damage.

The higher the intensity, the more advanced the photoageing.



01 · FACIAL ANALYSIS

Skin reactivity

Highly reactive skin (often described as sensitive) responds faster and more intensely to stimuli than skin with normal reactivity.

The device analyses colour distribution, focusing on the red range, to visualise skin sensitivity precisely — including in areas not visible under standard observation.

Colour distribution analysis in the red range — even where the eye sees no change.



Acne lesions

Acne lesion assessment provides precise skin imaging and identifies blemishes. It tracks how well a product **reduces acne lesions**, providing objective efficacy data.



Visibility and distribution of wrinkles across the whole face — full-face imaging

Image analysis precisely locates signs of skin ageing in each area of the face, providing an objective visualisation of a cosmetic's **wrinkle-reducing effect**.



Pigmentation evenness index

This parameter describes how even the skin tone is in the analysed area of the face. It is assessed with the ΔE index: measurements at five randomly selected points are used to calculate colour variability.

ΔE ↓	Low values indicate **a highly even skin tone**
ΔE ↑	Higher values indicate greater colour variability and more visible colour differences



01 · FACIAL ANALYSIS

Comprehensive facial analysis

The analysis compares full-face photographs taken under uniform lighting before and after a defined period of product use. It covers the key skin parameters, including:

- ✓ pore size and visibility
- ✓ acne lesions
- ✓ presence of wrinkles
- ✓ evenness of skin tone

The results provide a comprehensive assessment of product efficacy across these parameters.

02

Skin at micro scale

Skin microphotography in polarised, diffused and UV light — precise measurement of parameters invisible to the naked eye.

Non-comedogenicity	Sebum	Skin sensitivity
Inflammation / acne	Pore analysis	3D skin structure
Vascular lesions	Discolouration	Wrinkle analysis
Exfoliation		



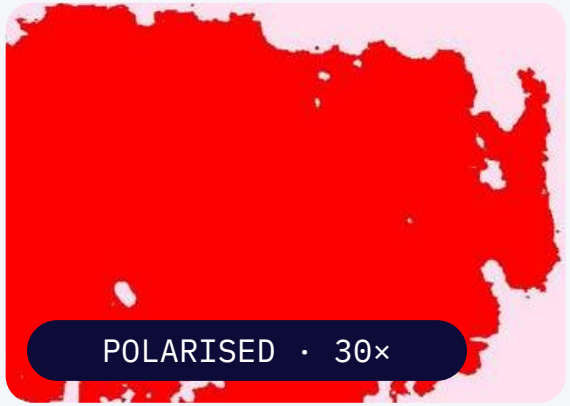
02 · SKIN AT MICRO SCALE

Non-comedogenicity

The device detects pores and quantifies the percentage of skin surface they cover, distinguishing enlarged from fine pores.

- **enlarged pores — red**
- **fine pores — green**

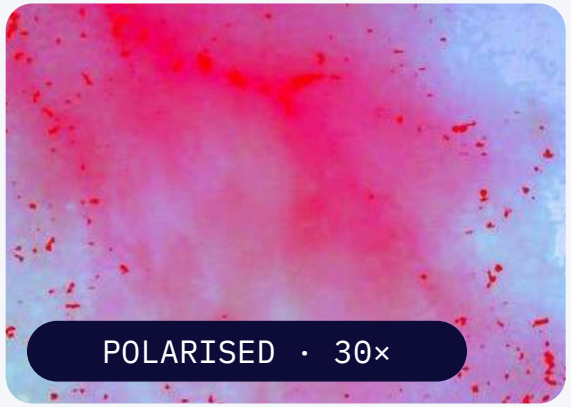
The test assesses a product's comedogenic potential and can confirm that it is **non-comedogenic (does not clog pores)**.



Sebum

Performed with a SEBUM STRIP patch. It objectively verifies cosmetic efficacy in:

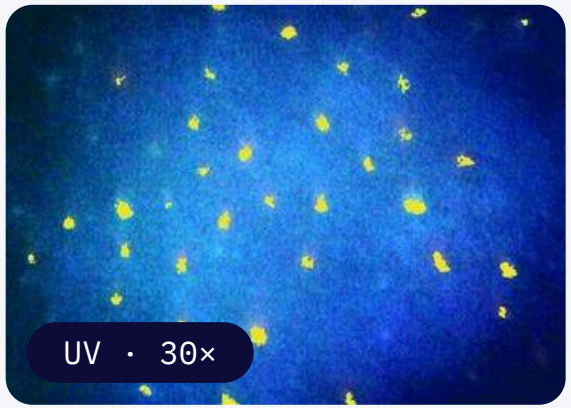
- ✓ reducing sebum production
- ✓ reducing oily skin



Skin sensitivity

A skin sensitivity test can substantiate claims such as:

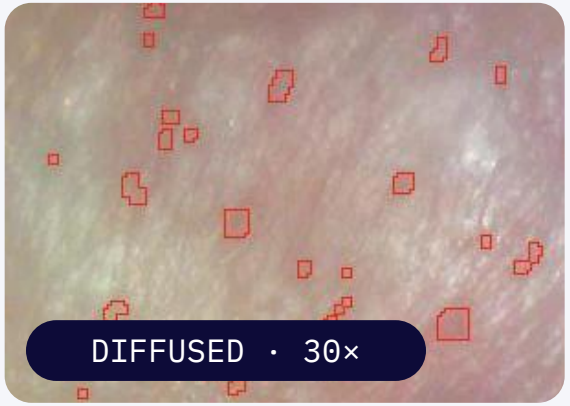
- ✓ suitable for sensitive skin
- ✓ reduces skin hypersensitivity (reactivity)



Inflammation / acne

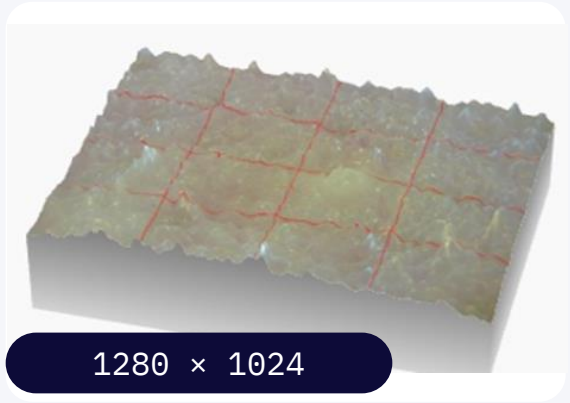
Using UV light, the test counts inflammatory lesions, including acne lesions, in a defined skin area. The results can substantiate claims such as:

- ✓ reduces inflammation (acne lesions)
- ✓ fewer breakouts
- ✓ improves the overall condition of problem and acne-prone skin



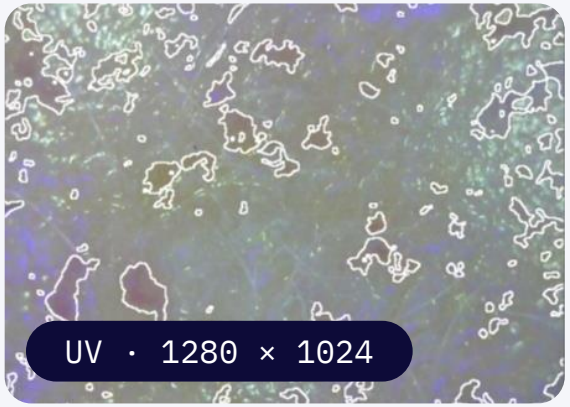
Pore analysis

Measures pore size and counts pores in the analysed area. The results substantiate claims of **fewer pores**.



3D skin structure

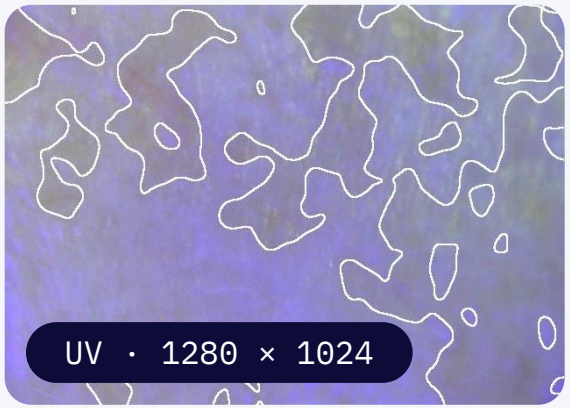
Skin texture analysis, which measures the reduction in roughness, substantiates claims of **a smoother skin surface** (reduced roughness).



Vascular lesions / telangiectasia

Vascular lesions are assessed using UV LEDs. The test can substantiate claims such as:

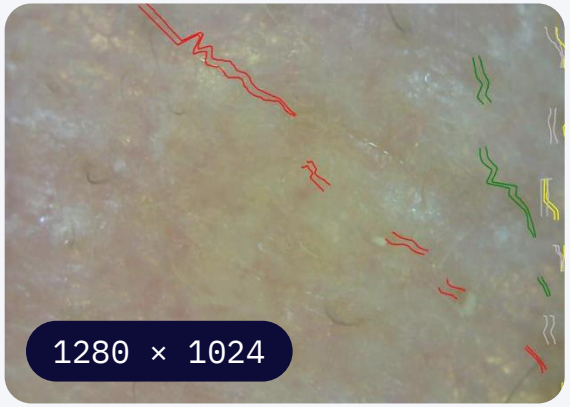
- ✓ reduces visible capillaries
- ✓ reduces fine spider veins
- ✓ skin looks more even



Discolouration

Performed under UV light. Discolouration is measured as a percentage (%), together with its intensity. The results can confirm product effects in:

- ✓ evening out and improving skin tone
- ✓ reducing the area and intensity of discolouration



Wrinkle analysis

Precisely measures wrinkle width in millimetres [mm] and classifies wrinkles by depth (shallow, medium, deep). The analysis objectively confirms efficacy and enables **verification of anti-wrinkle claims**.



02 · SKIN AT MICRO SCALE

Exfoliation

Measures the level of dead cells, i.e. the degree of exfoliation of the stratum corneum, showing whether the skin is being cared for properly. Performed with a CORNEUM STRIP patch.

CLAIMS SUBSTANTIATED

- ✓ improves skin condition through exfoliation
- ✓ reduces skin flaking

03

Biophysical probes

Non-invasive instrumental measurements, including with DermaLab Combo: skin thickness, hydration, elasticity, skin barrier, skin tone and gloss

Ultrasound probe	Hydration	Elasticity
TEWL	Colorimetric probe	Erythema
Melanin	Skin gloss	Skinfibrometer

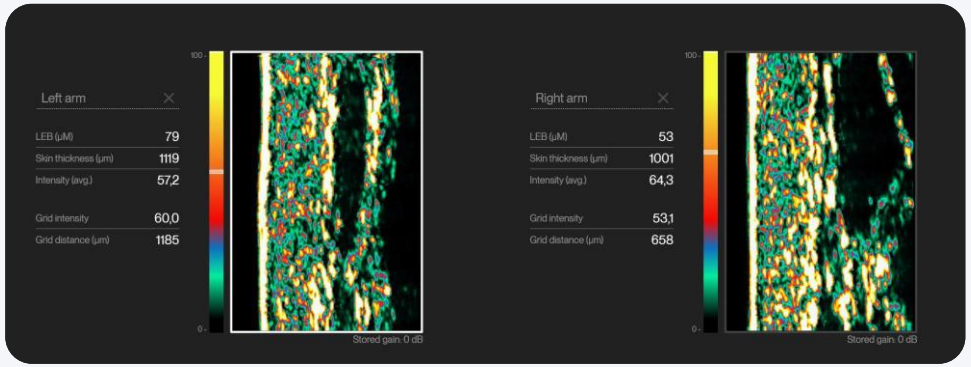
Ultrasound probe

The standard ultrasound probe provides:

Skin thickness measurement through analysis of ultrasound echogenicity, which correlates indirectly with collagen content and organisation.

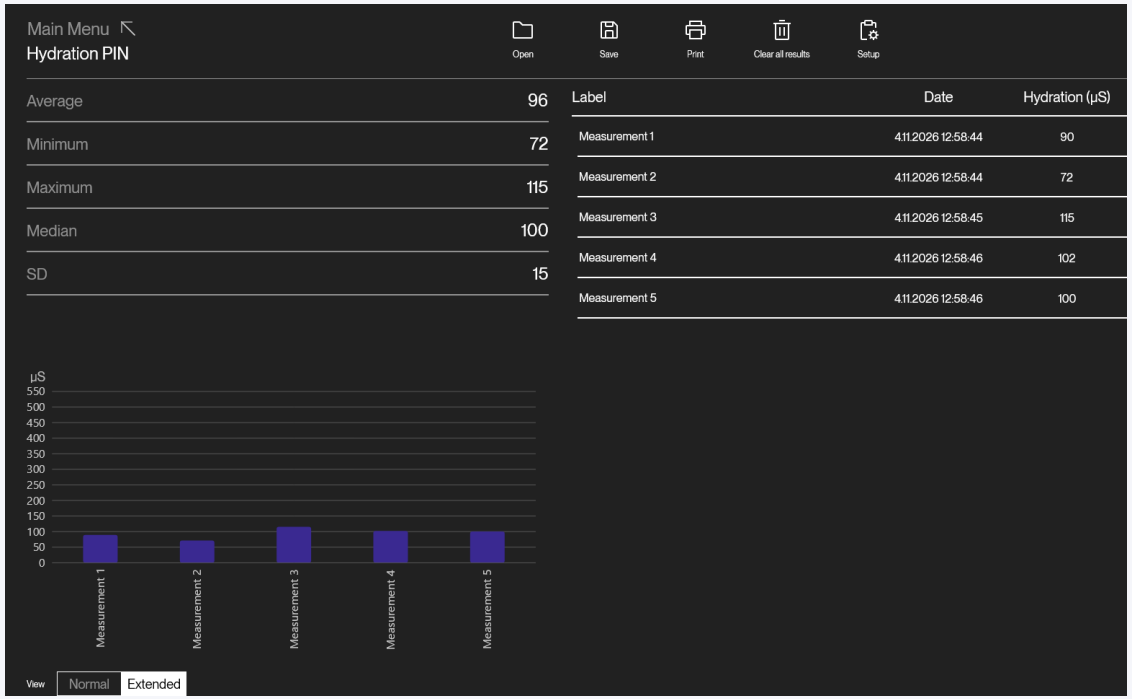
Automatic assessment of the SLEB band — a parameter linked to photodamage and the extent of sun-induced changes.

Precise skin thickness measurement (epidermis and dermis).



The results objectively confirm product efficacy in:

- ✓ improved **skin collagen**
- ✓ increased **skin thickness**
- ✓ reduced signs of **photoageing**
- ✓ reduced **visible sun damage**



5×

repetitions of each measurement

% change

relative to baseline

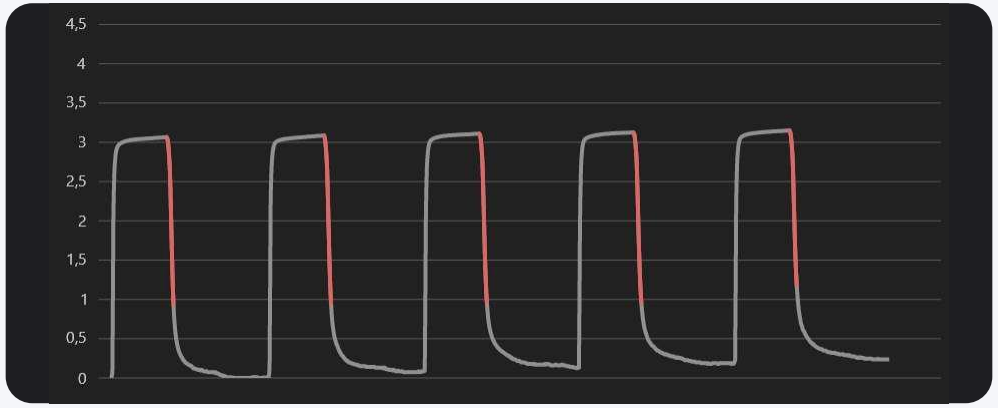
03 · BIOPHYSICAL PROBES

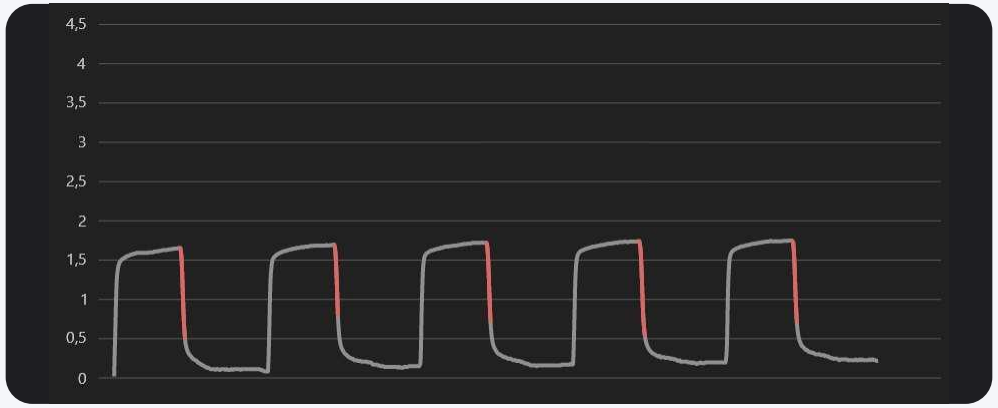
Hydration

The DermaLab Combo PIN probe measures the skin's electrical conductance, which changes with the water content of the stratum corneum. This allows a quantitative assessment of skin hydration.

Each measurement is repeated five times. Results are expressed as the percentage change (%) from baseline.

The measurement captures both the instant effect and how long hydration lasts. The data underpin claims of **improved skin hydration**.





E
Young's modulus

R
retraction time

VE
viscoelasticity index

Elasticity

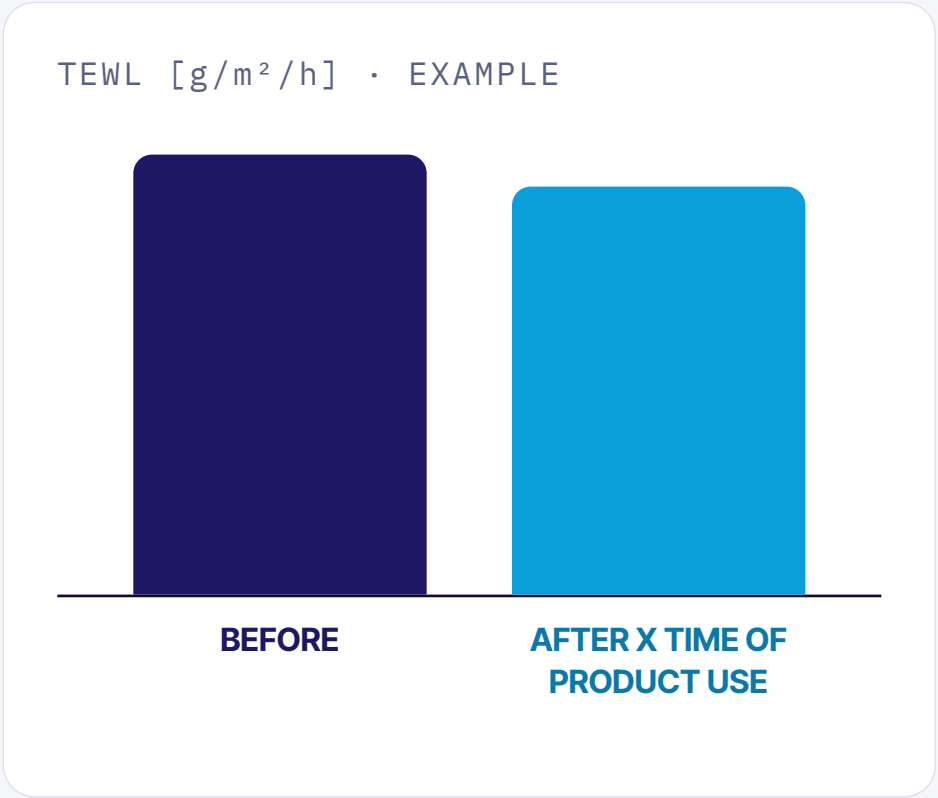
Assessment of the skin's viscoelastic properties using the suction method. Controlled negative pressure lifts the skin; both its maximum deformation and the speed of its return to the starting position are analysed.

The device determines **Young's modulus (E), retraction time (R) and viscoelasticity (VE)**.

✓ the shorter the retraction time, the firmer and more elastic the skin

⚠ the longer the retraction time, the lower the elasticity and the slower the recovery

Each measurement is repeated five times for greater reliability and repeatability. The result is the percentage change, expressed as an improvement in skin elasticity.



03 · BIOPHYSICAL PROBES

TEWL measurement

Transepidermal Water Loss

The device records the difference in water vapour concentration between two sensors at set distances from the skin. From this, TEWL is calculated in g/m²/h (grams of water per square metre of skin per hour).

CLAIMS SUBSTANTIATED

- ✓ supports the skin's protective barrier
- ✓ reduces transepidermal water loss
- ✓ improves skin barrier integrity

Colorimetric probe

Used to assess skin parameters such as **erythema**, **melanin** and **gloss**. Colour is measured by diffuse reflectance spectroscopy, with results shown in colour spaces including CIE L*a*b* and L*C*h.

The results precisely measure skin redness, natural pigment (melanin) and gloss, providing objective parameters that characterise the skin.

L* — skin lightness
a* — shift towards red or green
b* — shift towards yellow or blue

Measurement	Erythema	Melanin	CIE L*	CIE a*	CIE b*	Chroma	Hue	Gloss
1	19.80	32.50	57.38	7.59	13.24	15.21	59.90	3.0
2	19.85	32.58	57.39	7.65	13.21	15.24	59.88	3.0
3	19.80	32.57	57.37	7.62	13.25	15.21	59.89	3.1
4	19.82	32.56	57.35	7.65	13.26	15.20	59.73	3.0
5	19.81	32.55	57.30	7.77	13.28	15.23	59.70	3.1

ERYTHEMA · EXAMPLE



Erythema

Quantitative assessment of skin redness, measured optically by analysing reflected light at different wavelengths. Results are given as the percentage change in erythema versus baseline, objectively showing whether a product **reduces skin redness**.

MELANIN · EXAMPLE



Melanin

A probe based on reflectance spectrophotometry: light of a set wavelength is emitted onto the skin and the scattered and reflected light is analysed. It gives an objective, quantitative measure of pigmentation and its change over time — used for products claiming **brightening and more even skin tone**.

Skin gloss

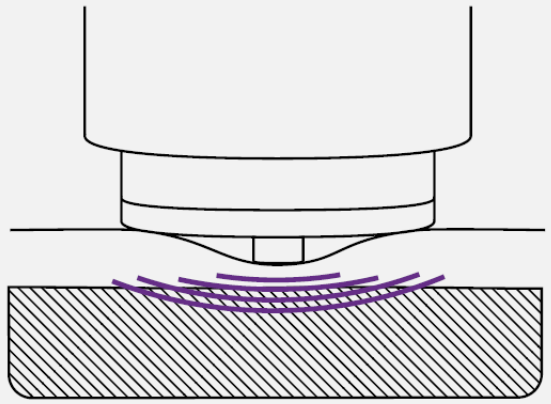
Skin gloss measurement with DermaLab Combo is a modern, non-invasive method for objectively assessing a cosmetic's effect on radiance and the overall healthy look of the skin. It is particularly useful for products such as creams and serums.

The method captures the **instant effect** straight after application.

MARKETING CLAIMS

The results substantiate claims such as:

- **gives skin a radiant look**
- **gives skin a natural glow ("glow effect")**
- **improves skin radiance**



SkinFibroMeter measures force (N) against indurated subcutis.

03 · BIOPHYSICAL PROBES

Skinfibrometer

A specialist device that measures tissue hardening and fibrosis, quantifying the firmness of the skin surface and the upper subcutaneous layer. Results are given in **newtons (N)**. Used in efficacy testing, especially of anti-cellulite and firming products.

ENABLES

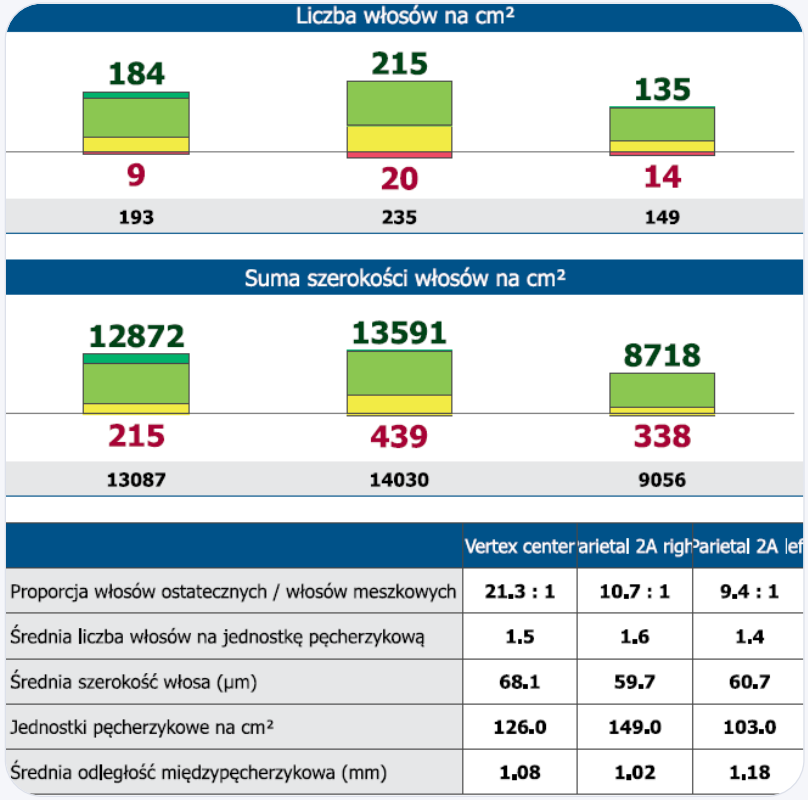
- ✓ objective measurement of tissue hardening and fibrosis
- ✓ verification of how well a product reduces hardening linked to **cellulite**

04

Hair and scalp

HairMetrix video trichoscopy with AI-based analysis, plus microphotography of the hair and scalp at up to 500× magnification.

HairMetrix (AI)	Hair ratio	Inter-follicular distance
Hairs per follicular unit	Hair density	Hair thickness
Scalp sensitivity	Follicle openings	Scalp condition
Keratinisation	Hair cuticle condition	Hair heat protection



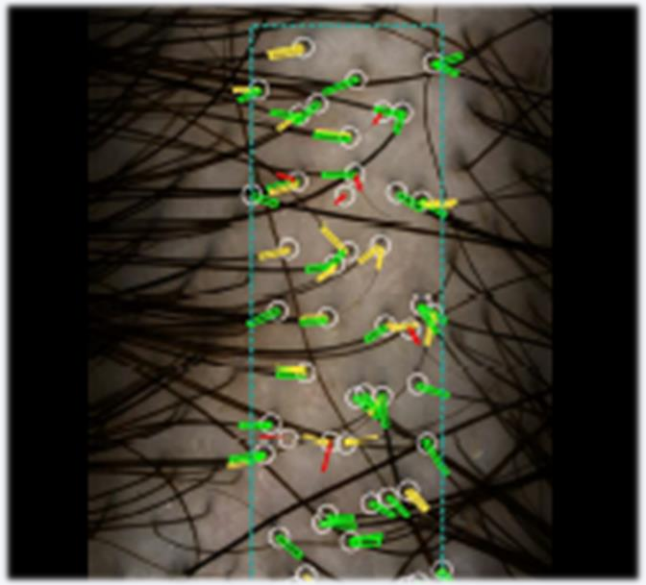
	Vertex center	arietal 2A righ	arietal 2A lef
Proporcja włosów ostatecznych / włosów meszkowych	21.3 : 1	10.7 : 1	9.4 : 1
Średnia liczba włosów na jednostkę pęcherzykową	1.5	1.6	1.4
Średnia szerokość włosa (µm)	68.1	59.7	60.7
Jednostki pęcherzykowe na cm²	126.0	149.0	103.0
Średnia odległość międzypęcherzykowa (mm)	1,08	1,02	1,18

Comprehensive trichoscopic analysis (HairMetrix)

HairMetrix is a video trichoscope with AI-powered analysis software. It takes magnified images of the scalp and hair and automatically analyses hair and follicle parameters, allowing us to determine:

- ✓ the terminal-to-vellus hair ratio
- ✓ the average number of hairs per follicular unit
- ✓ hair thickness
- ✓ the average inter-follicular distance
- ✓ hair density
- ✓ changes over time — to assess product performance

Terminal-to-vellus hair ratio



The ratio of terminal hairs to vellus hairs.

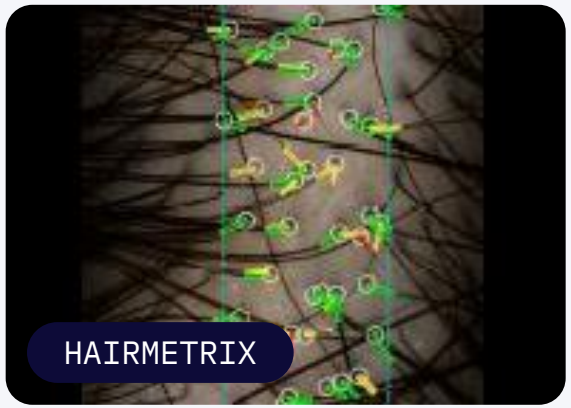
Terminal hair

Thicker, darker and longer — a sign of mature, active follicles

Vellus hair

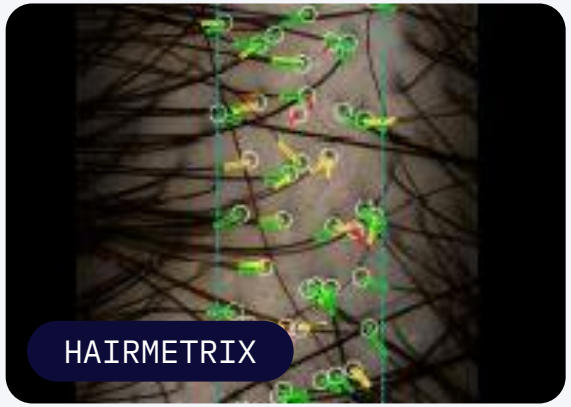
Thin, short and light — typical of immature or regenerating hair

The results can substantiate claims such as **a higher share of terminal hair** and reduced follicle miniaturisation.



Average inter-follicular distance

The average distance between neighbouring follicular units in the analysed scalp area. Units are located and the mean distance between them is calculated — an objective indicator of **follicle distribution and density**.



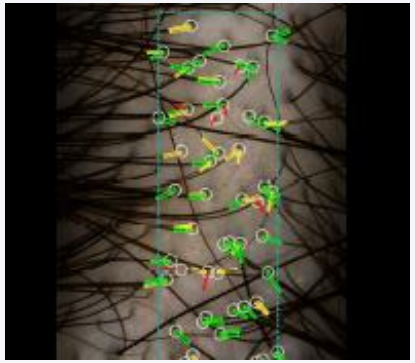
Average number of hairs per follicular unit

The average number of hairs per follicular unit, determined by counting hairs and follicular units in a defined scalp area and calculating the mean. Lower values may indicate thinning and weakening hair, while **higher values are typical of a healthy, dense scalp**.



Hair density

A precise count of hairs in a defined scalp area. The result is the percentage change in hair density versus baseline, substantiating claims of **increased hair density and visibly reduced hair loss**.



Hair thickness

The test measures the diameter of individual hairs for a precise assessment of their structure and thickness. The result is the percentage change in hair diameter versus baseline, allowing **improved hair thickness** to be objectively measured and claimed.



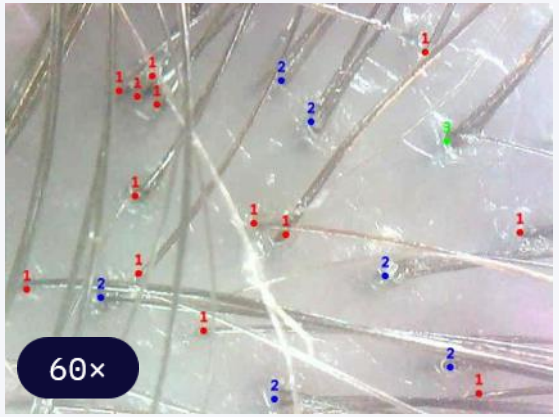
Scalp sensitivity

The test determines the degree of hypersensitivity and the presence of irritation and redness on the scalp, verifying whether a product **soothes the scalp**.



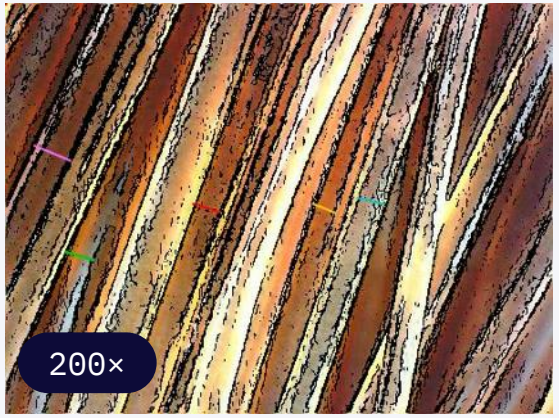
Follicle opening condition

The test assesses whether follicle openings are clear or blocked, verifying **how effectively they are cleansed**.



Hair density

A precise count of hairs in a defined scalp area. The result is the percentage change in hair density versus baseline, substantiating claims of **increased hair density and visibly reduced hair loss**.



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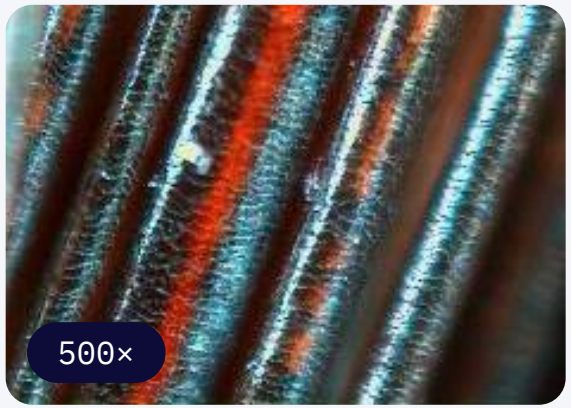
Scalp condition

Gives an overall picture of scalp condition, showing how well a product **cleanses and improves the scalp**.



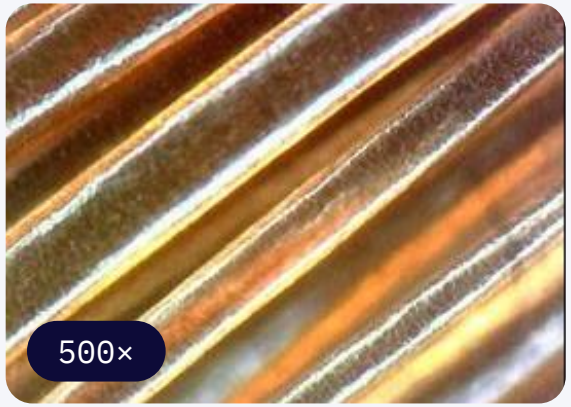
Keratinisation

The test shows the condition and severity of dandruff on the scalp.
The analysis shows whether a product has effectively **reduced dandruff on the scalp**.



Hair cuticle condition

Assesses the structure and condition of the hair cuticle, showing how well a product **smooths the cuticle and improves its overall condition**.



Hair heat protection

The test assesses how well products protect hair from damage caused by high temperatures from styling tools. Heat protection aims to minimise the impact of **heat on the hair structure (the cuticle)**.

05

Nails, lips, teeth, lashes and brows

Visual and instrumental assessment of nail, lip, teeth, lash and brow products, and of SPF product removability.

Cuticle condition	Nail plate condition	Lip plumping
Teeth whitening	Lash growth	Brow density
SPF removability (Wood’s lamp)		



Cuticle condition

The test assesses the condition of the cuticles and the surrounding skin. The results can confirm product effects in:

- ✓ improving cuticle condition
- ✓ smoothing cuticles



Nail plate condition

Nail plate analysis assesses their current condition and surface structure. The results allow visual verification of product efficacy in:

- ✓ improving nail plate condition
- ✓ reducing nail plate unevenness



Visual assessment of lip plumping

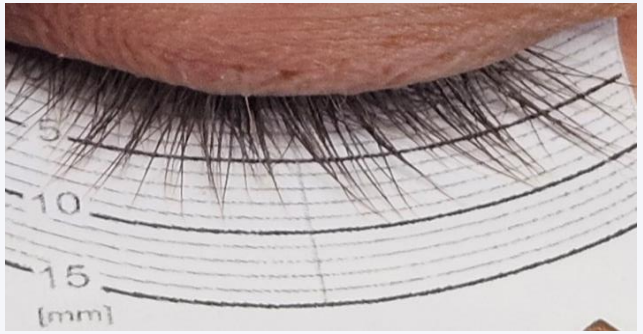
This analysis is designed for lip-plumping products. The results allow:

- ✓ objective assessment of lip-plumping efficacy
- ✓ visual documentation of the results



Visual assessment of teeth whitening

Whitening is assessed with the VITA 3D-MASTER shade guide, which allows a precise, objective analysis of changes in enamel colour. With this tool we can **determine the degree of whitening**. The test monitors the efficacy of whitening products.



Lash growth analysis

A precise assessment of lash length, measured in millimetres (mm) with a specialist gauge for an accurate, objective view of changes. The lashes are photographed before and after a defined period of product use to compare results and assess efficacy.



Visual analysis of brow density

This test assesses brow density. Photographs of the brows are taken before and after a defined period of product use, allowing a visual comparison of the results.



1–5 five-point scale for rating product removability

05 · SPF REMOVABILITY

Product removability under a Wood’s lamp

The test uses a portable quartz lamp with a special Wood’s filter that emits long-wave ultraviolet light. This makes it possible to **detect residues of SPF products** on the skin surface. Removability is rated on a five-point scale.



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Our studies are run by a team of qualified specialists

Real people. Real research. Real data.

We share experience and a passion for science, chemistry and cosmetology — and, above all, full commitment to every project we take on.

INSTYTUT DERMATOLOGII

All studies and analyses are supervised by our own Institute of Dermatology

OUR MISSION

SKINLAB P.S.A. is a modern, fast-growing research laboratory created to give full support to manufacturers of cosmetics, household chemicals, detergents, food supplements and chemical mixtures. Our mission is to confirm the **safety, quality and efficacy** of the products that reach consumers.

We support start-ups and small businesses taking their first steps in the industry, as well as established brands and large corporations launching hundreds of products a year. Together, we build a future founded on **reliable research, transparency and high safety standards**.

We guarantee complete professionalism, objectivity and confidentiality at every stage of our work together. Our aim is to help create products that are **proven, tested and safe**.

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Let’s work together

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