

Attachment no. F/29615/07/EN to the Test Report

Product name: Cellular restore serum
Sample number: 29615/07/24
Test type: In-use / instrumental test (sensitive skin)
Test start date: 29.07.2024
Test end date: 16.09.2024

Test purpose

Aims of the in-use test:

- assessment of long-term sensitive skin tolerance to the tested product;
- assessment and verification of the performance (properties) of the product declared by the Manufacturer;
- Consumer evaluation.

The aim of the instrumental test:

- assessment and verification of the performance (properties) of the product declared by the Manufacturer – the long-term effect (after 4 weeks of use).

Microbiological purity test

The product is microbiologically approved.

Microbiological purity tests were carried out in the GBA POLSKA Laboratory / ~~delivered by the Customer~~ *.

Dermatological test

The product is dermatologically approved.

Dermatological tests were carried out in the GBA POLSKA Laboratory / ~~delivered by the Customer~~ *.

Product characteristics

PARAMETER	DESCRIPTION
Appearance	Oil solution
Colour	Bright yellow
Smell	Consistent with the raw materials used
Packaging	Commercial
Purpose	Skin care
Directions for use	Apply 3–4 drops on the face area and gently pat on your face. Take 1-2 minutes for a soothing massage using your fingers.
Application period	4 weeks

Qualitative composition of the product

INCI ():** *Helianthus Annuus (Sunflower) Seed Oil, Psoralea Corylifolia Oil, Simmondsia Chinensis (Jojoba) Seed Oil, Tocopherol, Acer Saccharum (Sugar Maple) Leaf Extract, Acer Rubrum (Red Maple) Leaf Extract, Acer Pensylvanicum (Striped Maple) Leaf Extract, Myrciaria Dubia Fruit Extract, Hippophae Rhamnoides Oil*

(**) – The Customer is fully responsible for the compliance of the samples delivered for testing with the declared qualitative composition; the Laboratory does not analyze the composition of the sample for compliance with the current legal requirements.

The scope of the tests is in accordance with:

- Regulation of the European Parliament and Council Regulation (EC) No 1223/2009 of 30 November 2009 on cosmetics
- Regulation of the European Parliament and Council Regulation (EC) No 655/2013 of 10 July 2013 on cosmetics
- Cosmetics Europe - The Personal Care Association Guidelines „Product test Guidelines for the Assessment of Human Skin Compatibility 1997”
- Cosmetics Europe - The Personal Care Association „Guidelines for the Evaluation of the Efficacy of Cosmetic Products 2008”

Research methodology

In-use test was carried out:

- according to the internal procedure of the Cosmetics Research Centre, PB-34/LK;
- under the guidance of a specialist and a dermatologist;
- on a group of 25 study subjects with sensitive skin at home.

The tested sample was used in accordance with the Manufacturer's recommendations. After the declared time of application, the subjects were asked to fill in the evaluation questionnaire according to their own feelings. In the evaluation sheet, in the part containing the Manufacturer's declarations, a 4-point scale was used, with an equal number of positive and negative answers.

A declaration may be confirmed when the sum of positive answers exceeds 50% of the assessments of all subjects.

The test results may be influenced by factors such as: the type and condition of the face skin, lifestyle, genetic conditions, individual preferences, environmental conditions.

Instrumental tests were carried out:

- in the In VIVO Research Laboratory of GBA POLSKA;
- under the guidance of a specialist;
- on a group of 20 subjects;
- using specialized measuring equipment from Courage & Khazaka, i.e. :
 - Visioface ® 1000D – images showing wrinkle reduction were taken in according to internal procedure PB – 65/LK;
 - Visioline ® 650 Quantiride - measuring the depth of wrinkles according to the internal procedure PB-48/LK;
 - Tewameter ® TM Hex - measurement of the TEWL parameter in accordance with the internal procedure PB-46/LK;
- on individually selected areas of the face skin, the same at the beginning of the tests (T_0) and at their end (T_1);
- on the thoroughly cleansed skin, without make-up or other cosmetics.

The declaration can be confirmed if the improvement is confirmed in the majority of subjects, i.e. 11 out of 20. An improvement can be declared if the change in value exceeds the measurement uncertainty.

Product effects / properties declared by the Manufacturer

The effects / properties of the product declared by the Manufacturer are included in the questions of the evaluation questionnaire.

Selection of the Study Subjects

The selection of the Study Subjects was conducted in accordance with the Research Procedure PB-34/LK, taking into account:

- the Declaration of Helsinki of 1964 (with subsequent amendments)
- Current Polish and European legal regulations
- Cosmetics Europe directives - The Personal Care Association with use of inclusion and exclusion criteria

25 volunteers with sensitive skin were selected for the in-use test. They completed a detailed questionnaire regarding their lifestyle, current health condition, past illnesses, eating habits, use of medicines and stimulants. 20 people from the group participating in the in-use test were selected randomly for the instrumental tests. All volunteers selected for the study met the requirements for inclusion in the study and signed consent to consciously participate in it. They were also informed about the purpose of the study, method of testing and about possible side effects.

All participants of the long-term effect study (in-use and instrumental) were obliged to:

- report to the Cosmetic Research Centre on the dates specified in the test plan,
- use the product regularly during the period of 4 weeks,
- not to use any other products with identical or analogous properties during the tests,
- not to change, for the entire duration of the test, the skin care products used so far, intended for purposes other than the tested product,
- immediately discontinue the use of the product and to report to the specialist supervising the research in case any undesirable effects occurred.

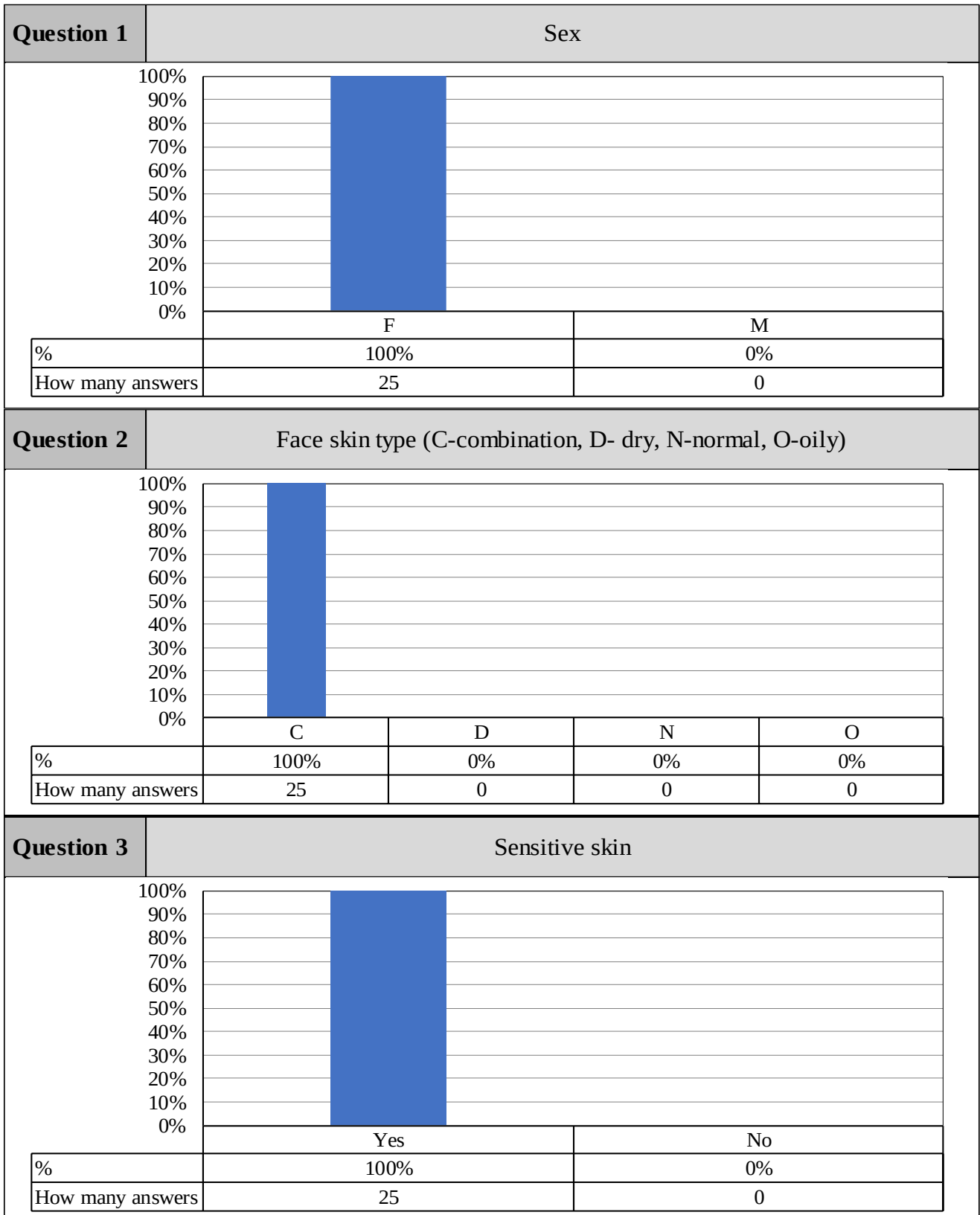
Characteristics and composition of the group participating in the study

The study was conducted on a group of 25 subjects selected according to the directions.

Subject's code	Age	Sex	Face skin type	Sensitive skin	Feelings / side effects
1	52	F	C	yes	(-)
2	63	F	C	yes	(-)
3	63	F	C	yes	(-)
4	64	F	C	yes	(-)
5	49	F	C	yes	(-)
6	54	F	C	yes	(-)
7	62	F	C	yes	(-)
8	63	F	C	yes	(-)
9	69	F	C	yes	(-)
10	57	F	C	yes	(-)
11	40	F	C	yes	(-)
12	52	F	C	yes	(-)
13	62	F	C	yes	(-)
14	50	F	C	yes	(-)
15	58	F	C	yes	(-)
16	48	F	C	yes	(-)
17	42	F	C	yes	(-)
18	44	F	C	yes	(-)
19	58	F	C	yes	(-)
20	38	F	C	yes	(-)
21	49	F	C	yes	(-)
22	42	F	C	yes	(-)
23	42	F	C	yes	(-)
24	46	F	C	yes	(-)
25	43	F	C	yes	(-)

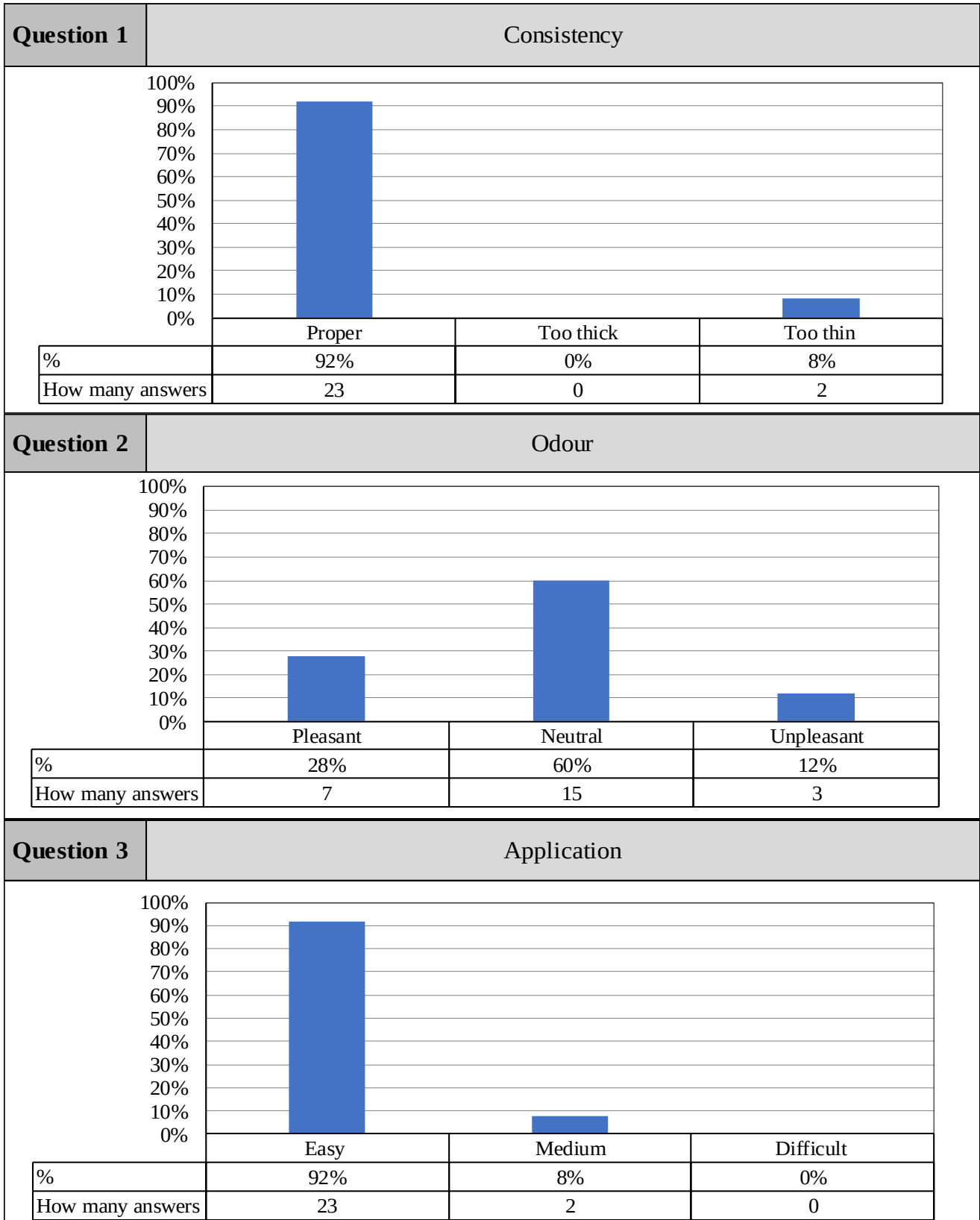
Legend: F – Female, C – combination, (-) – no feeling/ side effects

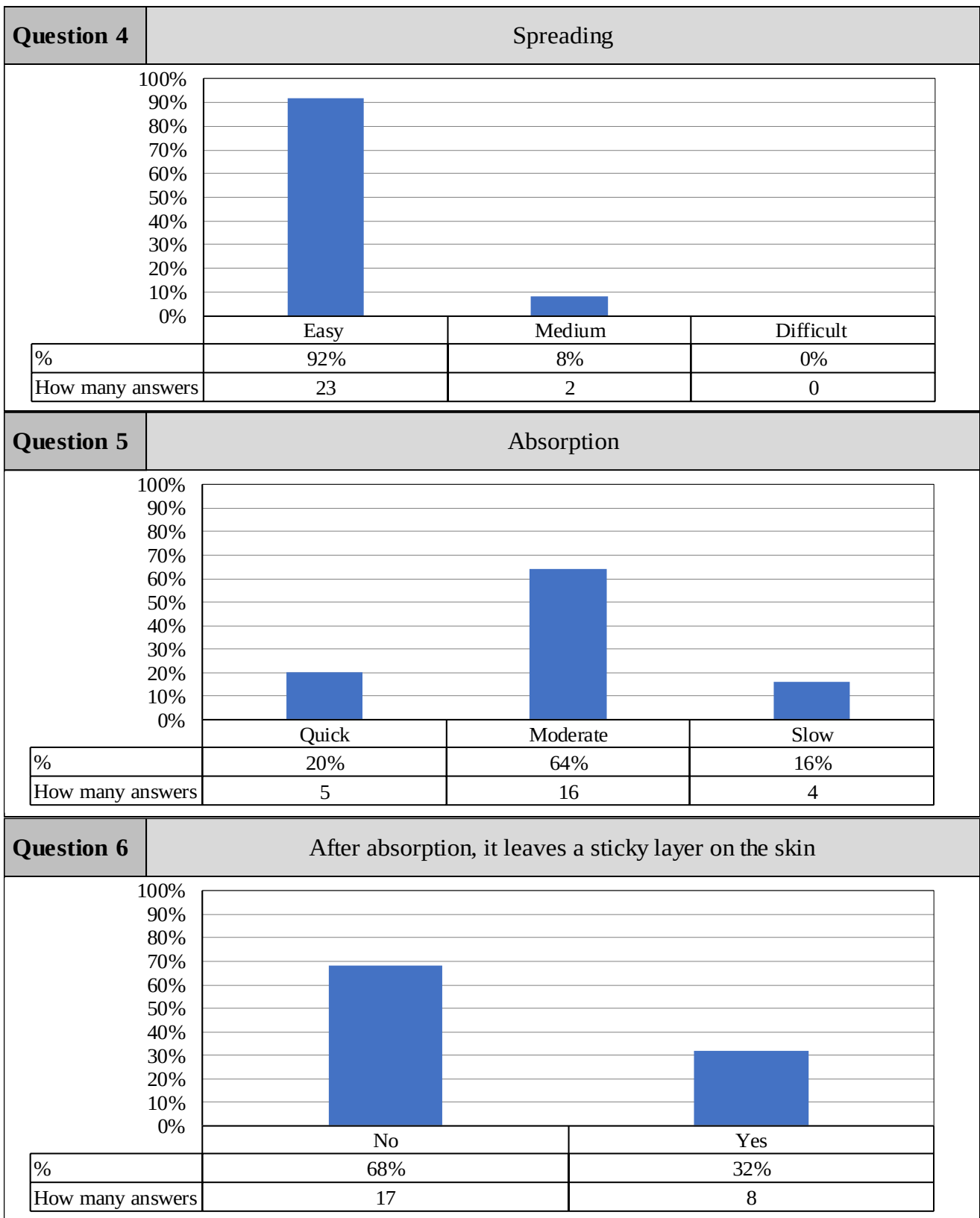
Statistics of people participating in the in-use test

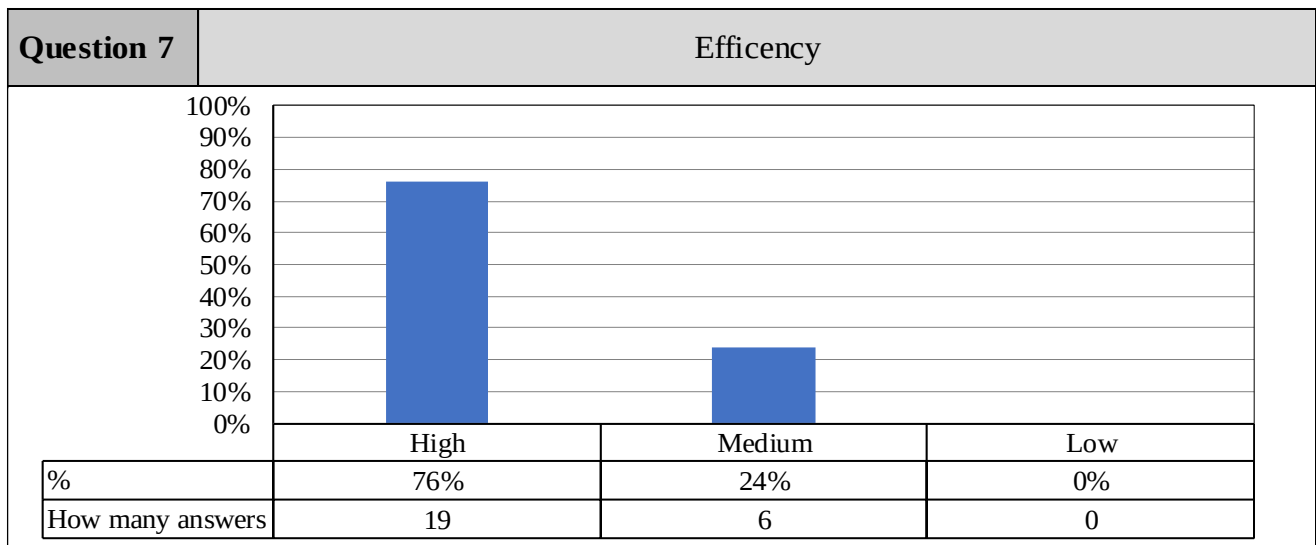


In-use test results

1. Results of organoleptic evaluation

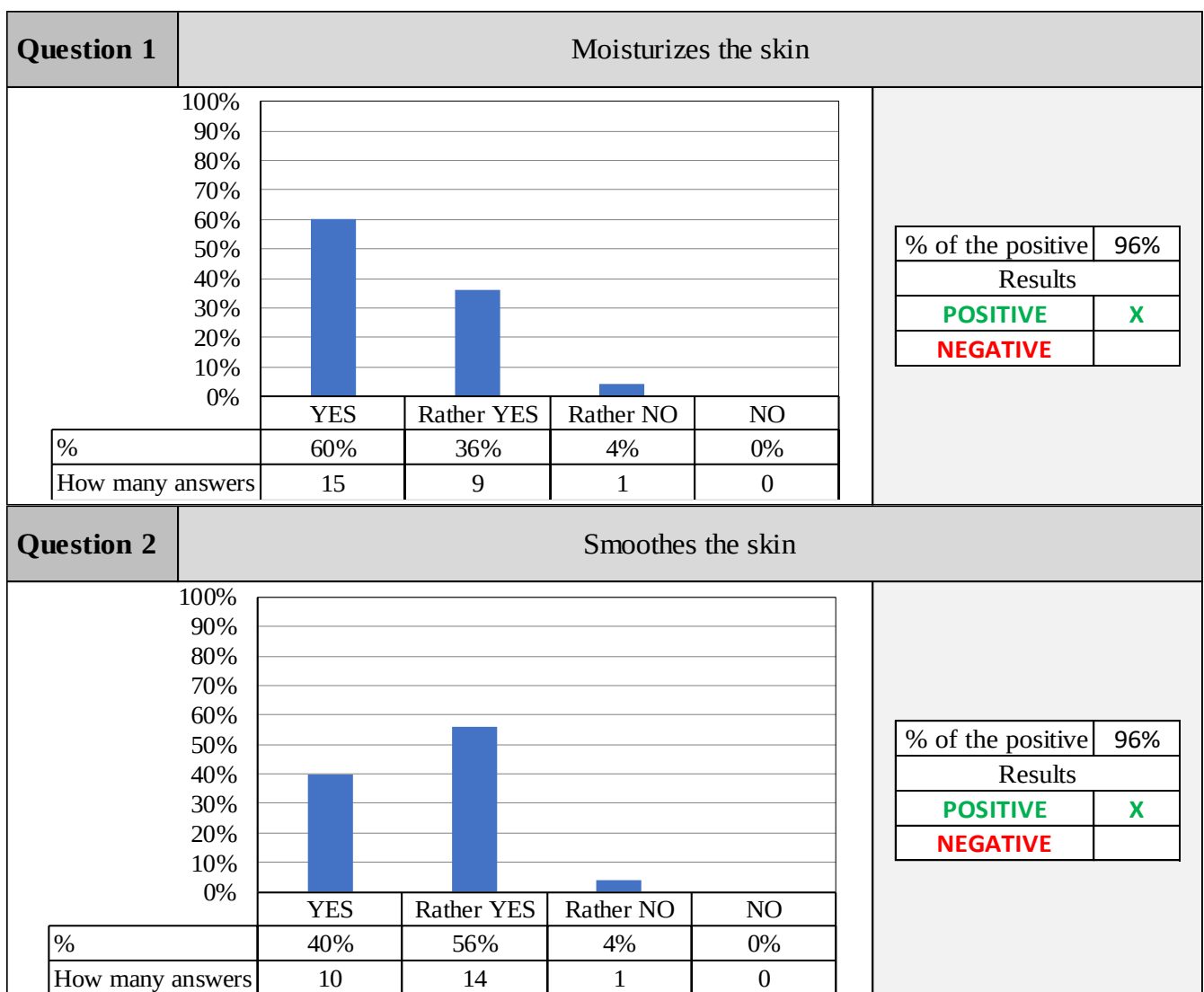


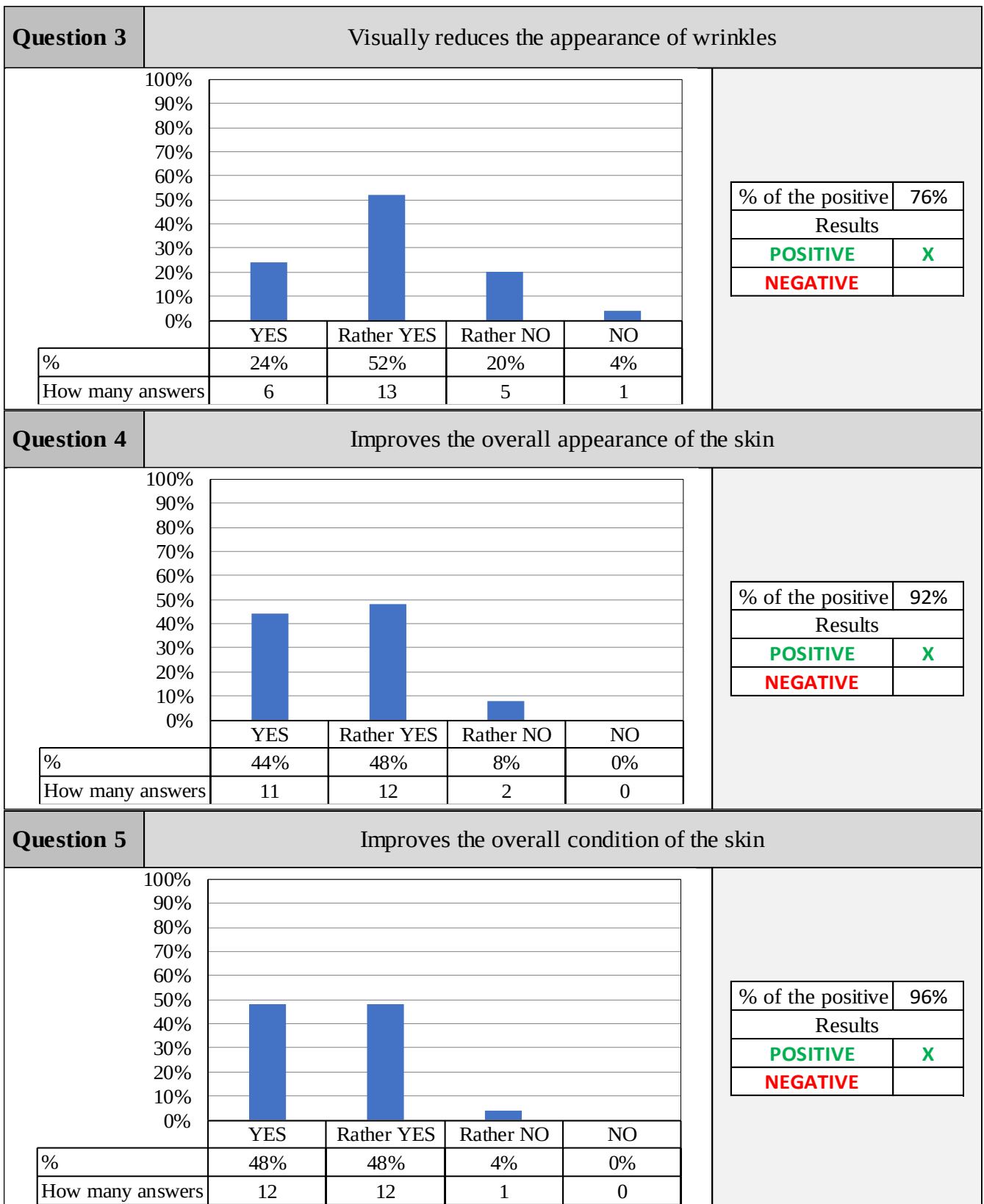


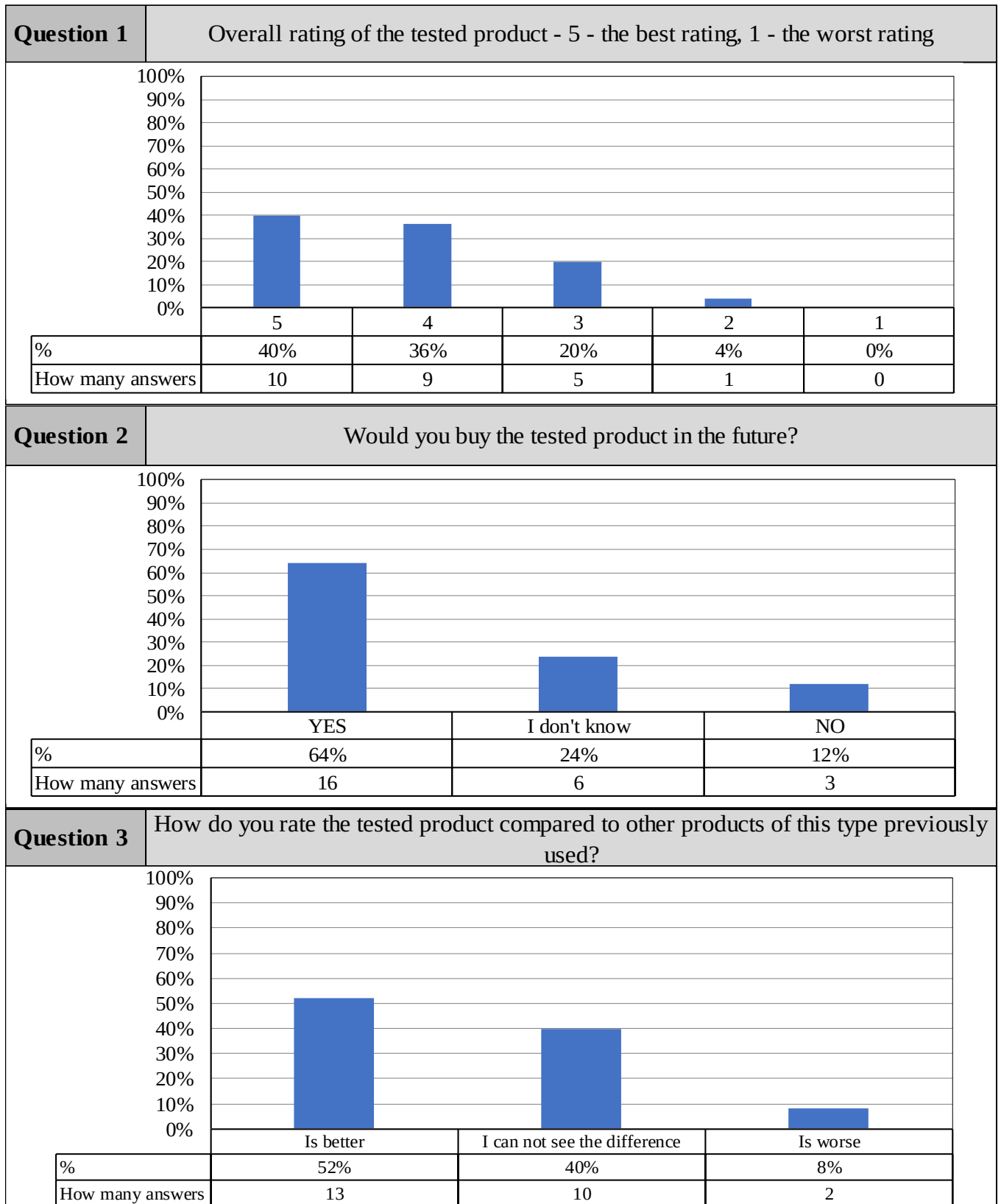


2. EVALUATION OF EFFECTS - AFTER 4 WEEKS OF USE

Product used regularly:





3. CONSUMER EVALUATION

4. DERMATOLOGIST'S OPINION

Based on the conducted research, it was found that in case in 25 of 25 study subjects with sensitive skin, the repeated application of the product (within 4 weeks) did not cause any undesirable symptoms, such as redness, swelling, rash on the skin. Moreover, none of the subjects reported any feeling of discomfort such as itching, burning, tingling.

Based on the conducted research, it was found that when applied as intended, **Cellular restore serum** product is safe for use in the care of facial skin, especially combination skin. It is suitable for sensitive skin. The above opinion does not apply to people who are allergic to any of the ingredients of the tested product.

Signed with a qualified electronic signature

Dr Dominika Perron-Plusa - Specialist in Dermatology and Venereology

Characteristics and composition of the group participating in the instrumental study

The study was conducted on a group of 20 people selected as indicated.

Subject's code	Age	Sex	Face skin type	Feelings / side effects
1	52	F	C	(-)
2	63	F	C	(-)
3	63	F	C	(-)
4	64	F	C	(-)
5	49	F	C	(-)
6	54	F	C	(-)
7	62	F	C	(-)
8	63	F	C	(-)
9	69	F	C	(-)
10	57	F	C	(-)
11	40	F	C	(-)
12	52	F	C	(-)
13	62	F	C	(-)
14	50	F	C	(-)
15	58	F	C	(-)
16	48	F	C	(-)
17	42	F	C	(-)
18	44	F	C	(-)
19	58	F	C	(-)
20	38	F	C	(-)

Legenda: F – Female, C – combination, (-) – no feeling/ side effects

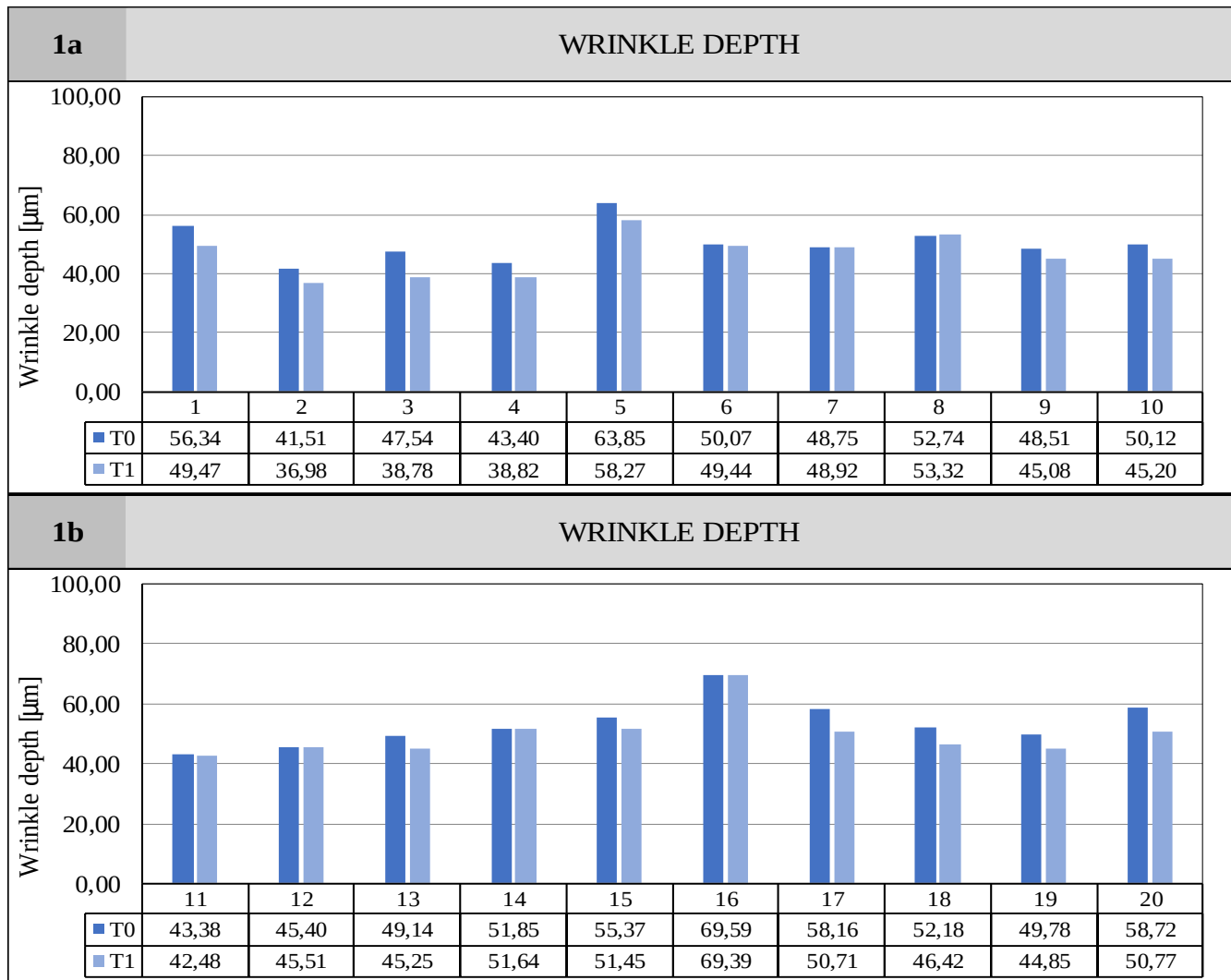
Instrumental test results - the effect of long-term (for 4 weeks) use of the product

Legend:

T_0 – initial measurement taken before the first application of the product on clean skin

T_1 – measurement after 4 weeks of product use on clean skin

1. Results of measuring the depth of wrinkles



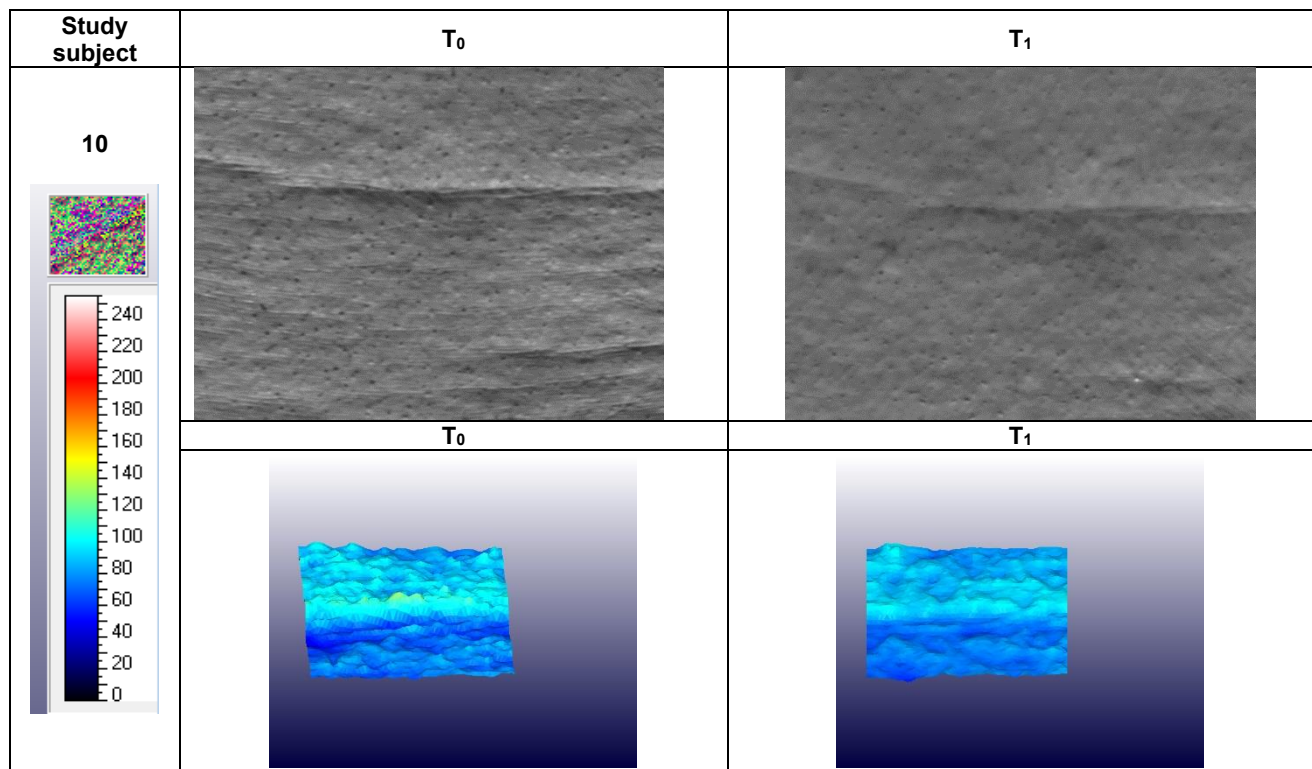
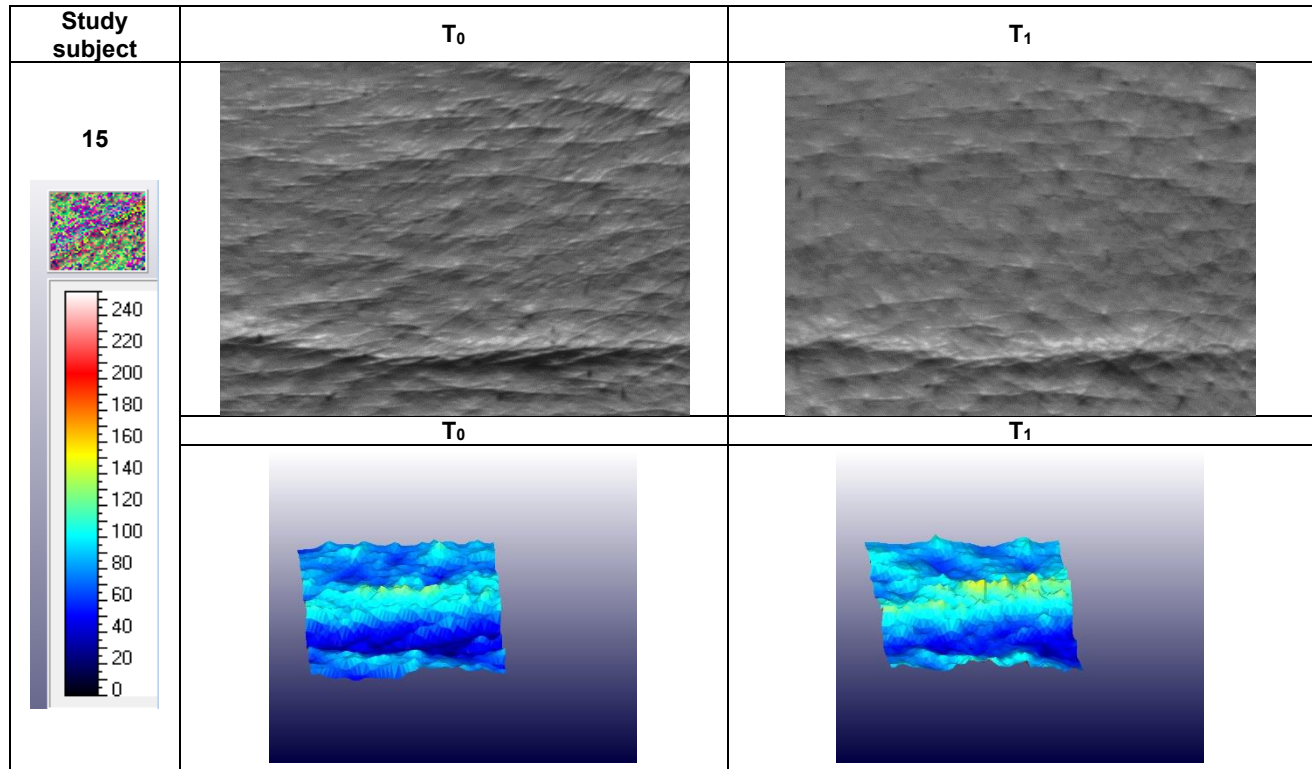
	T_0	T_1
Average value of the measurements [μm]	51,82	48,14
The lowest value in the group [μm]	41,51	36,98
The highest value in the group [μm]	69,59	69,39
Measurement uncertainty	5%	
The change in % <i>calculated in the relation to the initial measurement T_0</i>		7%
Number of people with improvement		13 of 20
Reduces the depth of wrinkles by 7% / shortens wrinkles.		

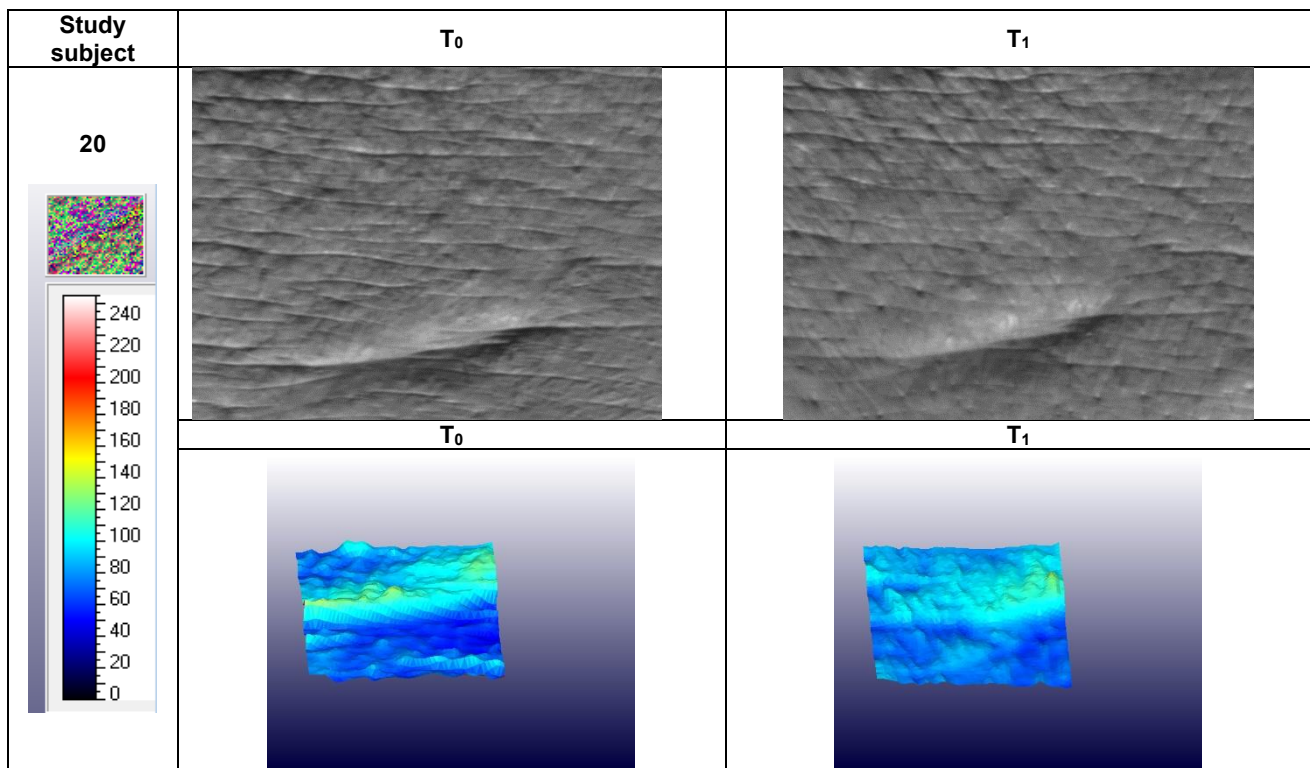
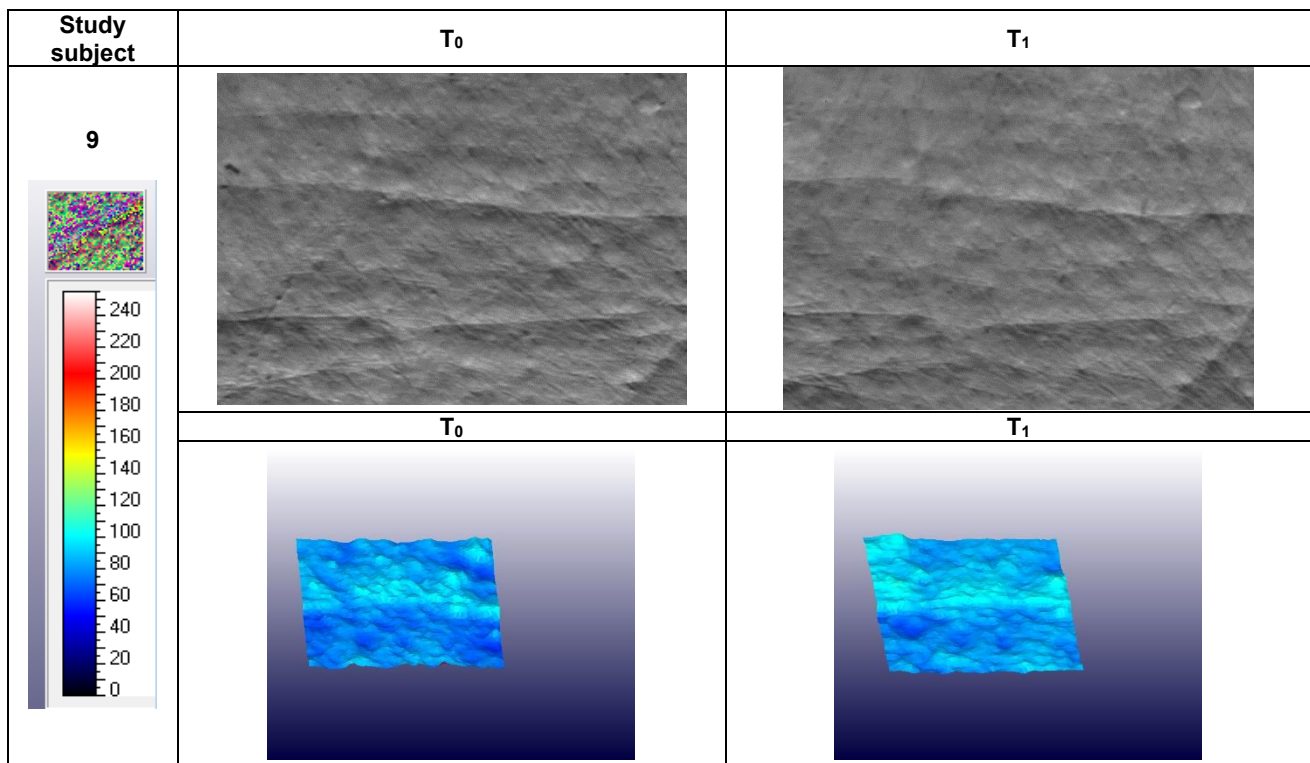
The decrease in the parameter at time T_1 is a positive result - indicates a reduction in the depth of wrinkles.

Photos of the face skin surface (silicone replicas) in the area of wrinkle occurrence.

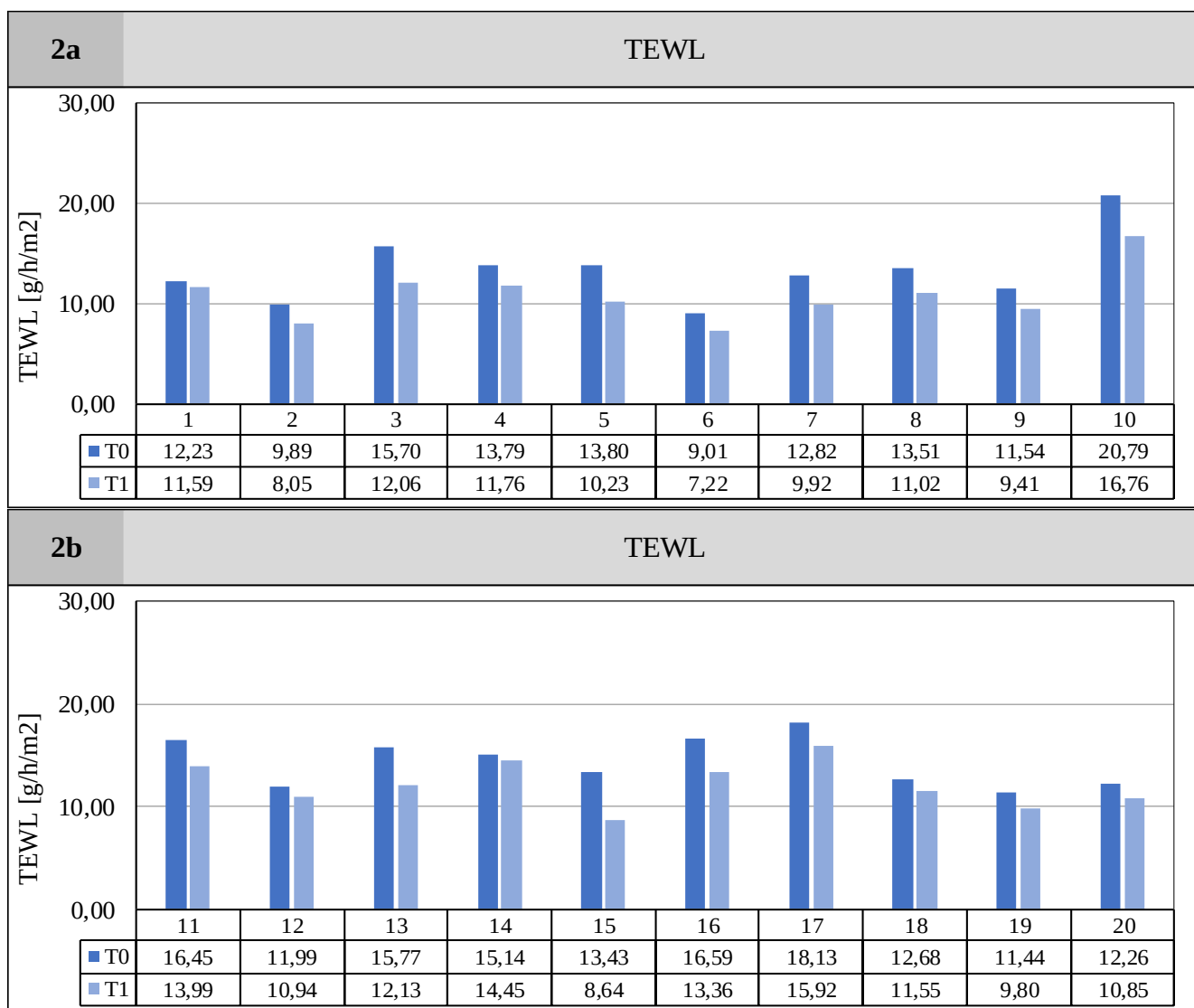
On silicone replicas in gray tones taken after regular application of the product (after 4 weeks) you can see smoothing of the wrinkle area.

On the color visualization - the darker the color, the deeper the wrinkle - you can see a shallowing of the wrinkles.





2. Assessment of the effect of reducing water evaporation from the epidermis (limiting TEWL)



	T ₀	T ₁
Average value of the measurements [g/h/m²]	13,85	11,48
The lowest value in the group [g/h/m ²]	9,01	7,22
The highest value in the group [g/h/m ²]	20,79	16,76
Measurement uncertainty	0,5 g/h/m² ± 5%	
The change in % <i>calculated in the relation to the initial measurement T₀</i>		17%
Number of people with improvement		20 of 20
Reduces TEWL by an average of 17% in the group.		

The decrease in TEWL level during T₁ is a positive result and indicates the inhibition of the epidermis' own water escape.

Photos of facial skin fragments with wrinkles.

The **Visioface ® 1000D device** takes pictures of facial skin fragments with visible wrinkles.

The photos taken after regular use of the product (after 4 weeks) show a reduction in the depth of wrinkles and a positive effect on the skin.

Subject's code	T ₀	T ₁
9		

Subject's code	T ₀	T ₁
3		

SUMMARY

Based on the conducted in-use test, the following was found about the tested product **Cellular restore serum**:

1. It was well tolerated by the skin in the place of application because in case in 25 of 25 subjects it did not cause irritation, allergic reactions and any feeling of discomfort.
2. It fulfilled the expectations of the subjects in terms of organoleptic qualities, i.e.:
 - It has the proper consistency;
 - It has a pleasant odour with the proper intensity;
 - It applies and spreads easily;
 - It absorbs quickly and after absorption doesn't leave a sticky layer on the skin;
 - It is efficient.
3. When used regularly for a period of 4 weeks (in accordance with the directions for use specified by the Manufacturer), it had a positive effect on the skin of the face. Based on the subjective feelings of the subjects, the following Manufacturer's declarations have been confirmed:
 - Moisturizes the skin;
 - Gives a firming effect to the skin;
 - Visually reduces the appearance of wrinkles and fine lines;
 - Improves the overall condition of the skin.

Based on the conducted instrumental tests, the following was found about the tested product **Cellular restore serum** regularly for 4 weeks:

- it shallows wrinkles/decreases depth of wrinkles by 7% on average in the group;
 - strengthens the skin/rebuilds the natural hydrolipid barrier and thus reduces the escape of water from the epidermis on average 17% in the group;
 - it shows good care properties.
4. Based on the conducted in-use and instrumental tests, it was found that the tested product **Cellular restore serum** can be recommended for use in the care of facial skin, especially combination skin. It is suitable for sensitive skin.

THE END of the Attachment

Prepared on: 16-09-2024	Prepared by: GBA POLSKA employee no.: 2877	Authorized by: GBA POLSKA employee no.: 2599
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