

Amendment to the attachment no. F/13651/06/P/2 to the Test Report

Product name: MOERIE „Ultimate Hair Growth Spray“
Sample number: 13651/06/22
Test type: In-use / instrumental test
Test start date: 08.07.2022
Test end date: 03.10.2022

Test purpose

Aims of the in-use test:

- assessment of long-term 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.

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~~ *.

* delete as appropriate

Product characteristics

PARAMETER	DESCRIPTION
Appearance	Solution
Colour	Colorless
Smell	Compatible with the raw materials used
Packaging	Commercial
Purpose	Scalp and hair care
Directions for use	Spray it on your hair roots after every wash and before going to bed.
Application period	3 months

Qualitative composition of the product

INCI ():** *Aqua, Hydrolyzed Soy Protein, Biotin, Ornithine HCl, Niacinamide, Arginine HCl, Citrulline, Glucosamine HCl, Pyridoxine HCl, Propanediol, Panax Ginseng Root Extract, Allium Cepa (Onion) Bulb Extract, Fulvic Acid, Hydrolyzed Silk, Lavandula Angustifolia Oil, Citrus Grandis Peel Oil, Rosmarinus Officinalis Oil, Mentha Piperita Oil, Caffeine, Glycerin, Panthenol, Linalool, Polyquaternium-11, Propylene Glycol, Zinc PCA, Glucose, Lactic Acid, PEG-40 Hydrogenated Castor Oil, Limonene, Phenoxyethanol, Sorbic Acid, Sodium Benzoate, Potassium Sorbate, Linalyl Acetate.*

(**) – 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 20 study subjects 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 scalp and hair, lifestyle, genetic conditions, individual preferences, environmental conditions.

Instrumental tests were carried out:

- in the Cosmetics Research Center GBA POLSKA;
- under the guidance of a specialist;
- on a group of 5 study subjects;
- using specialized equipment:
 - ASW 300 camera – assessment of scalp condition according to the internal procedure PB-68/LK;
- in standardized environmental conditions, i.e. in an air-conditioned room with a temperature of 20-25°C and a relative humidity of 40-60%.
- on individually selected areas of the scalp, the same at the beginning of the tests (P₀) and at their end (P₁);

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

20 volunteers 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.

5 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 study were obliged to:

- use the product regularly during the period of 3 months,
- 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 scalp and hair care products used so far, intended for purposes other than the tested products,
- immediately discontinue the use of the product and to report to the specialist supervising the research in case any undesirable effects occurred.
- report to the Cosmetics Research Center on the dates specified in the test plan,

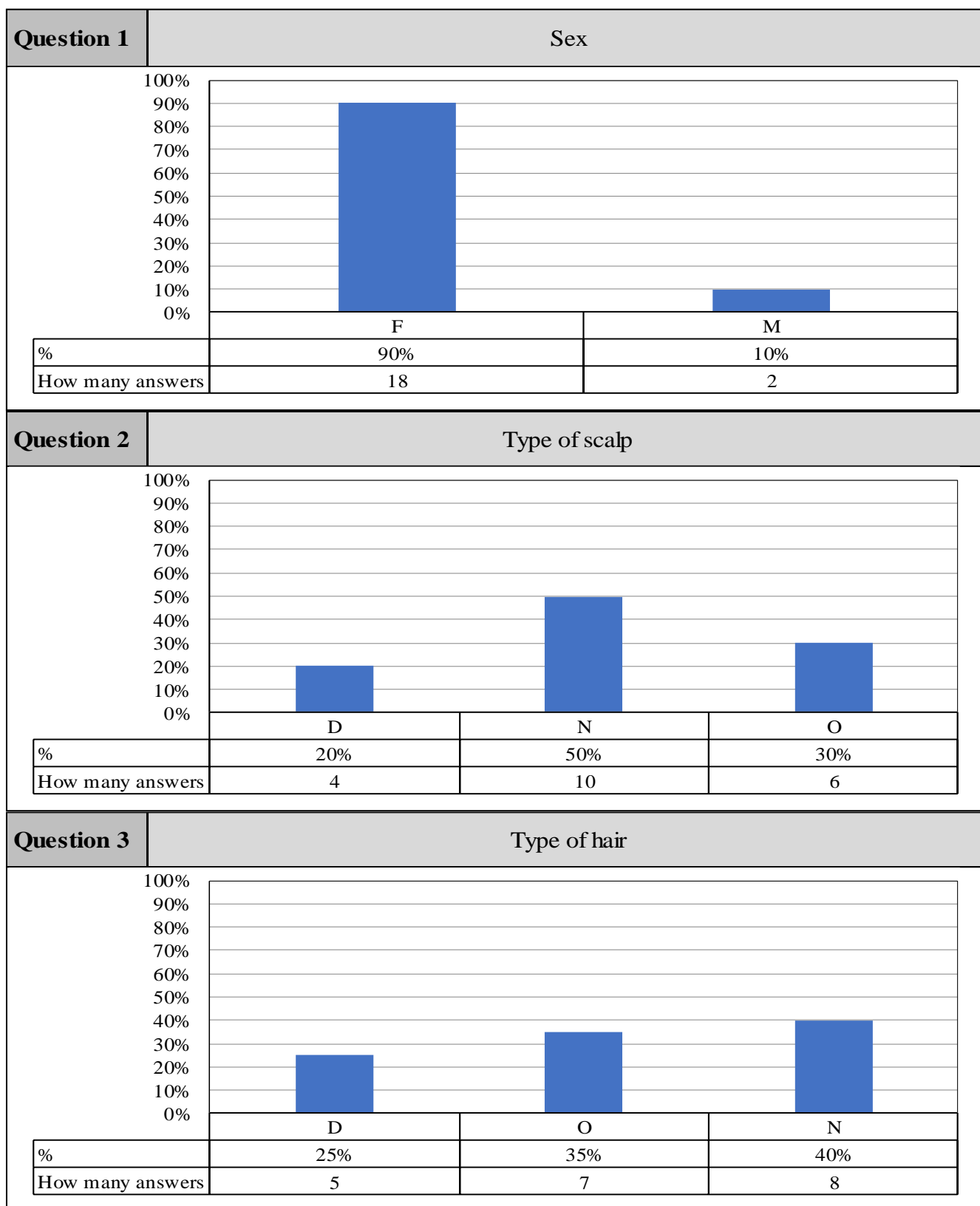
Characteristics and composition of the group participating in the study

The study was conducted on a group of 20 subjects selected according to the directions.

Subject's code	Age	Sex	Scalp type	Hair type	Feelings / side effects
1	27	F	D	N	(-)
2	24	F	D	D	(-)
3	23	F	N	D	(-)
4	43	F	O	O	(-)
5	45	F	N	N	(-)
6	46	F	D	O	(-)
7	24	F	D	D	(-)
8	49	F	N	N	(-)
9	30	F	O	O	(-)
10	50	F	O	O	(-)
11	28	M	N	N	(-)
12	32	F	O	O	(-)
13	27	M	N	N	(-)
14	38	F	N	D	(-)
15	38	F	O	O	(-)
16	24	F	N	N	(-)
17	42	F	O	O	(-)
18	47	F	N	D	(-)
19	26	F	N	N	(-)
20	25	F	N	N	(-)

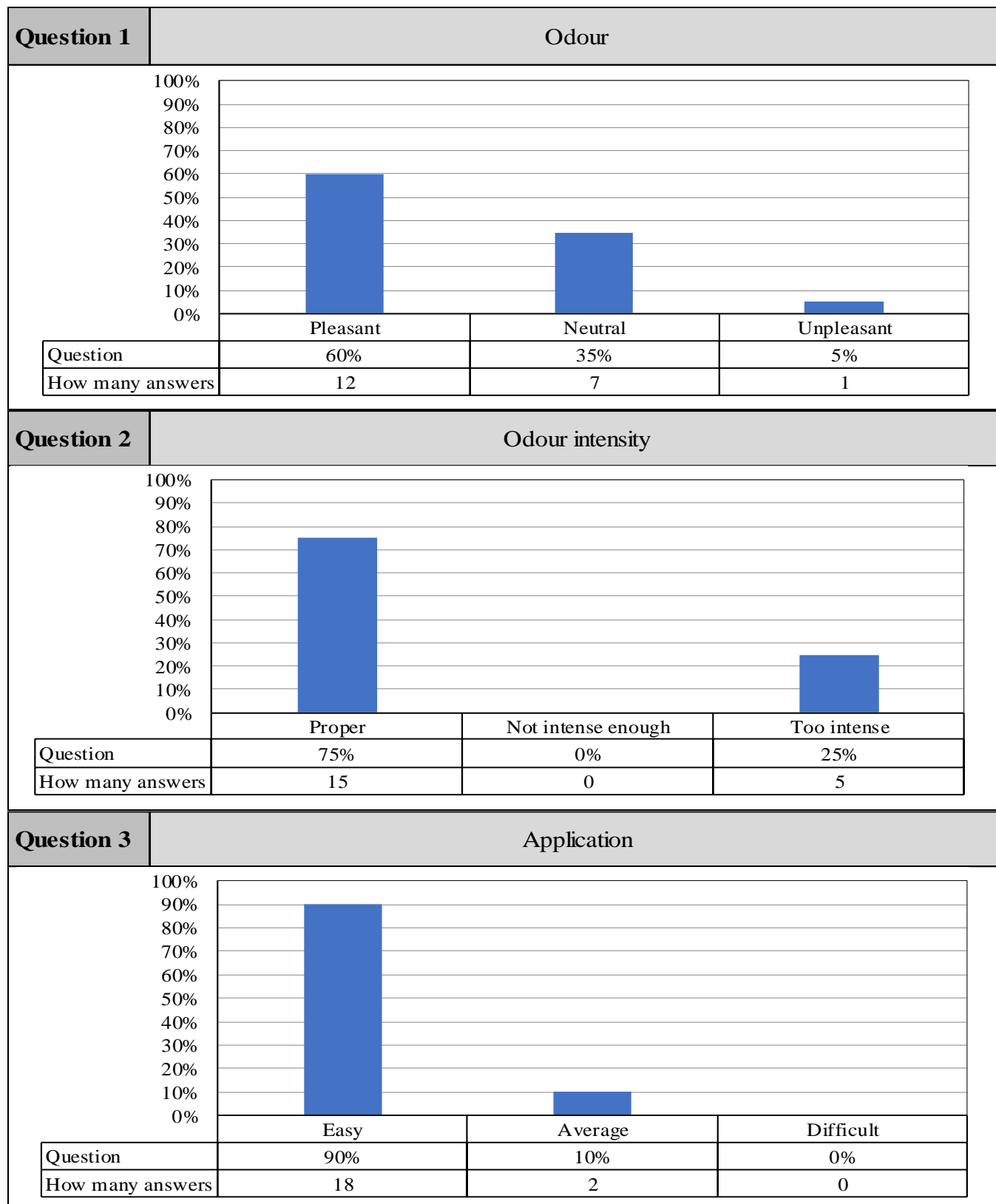
Legend: F – Female, M – male, D – dry, N – normal, O – oily

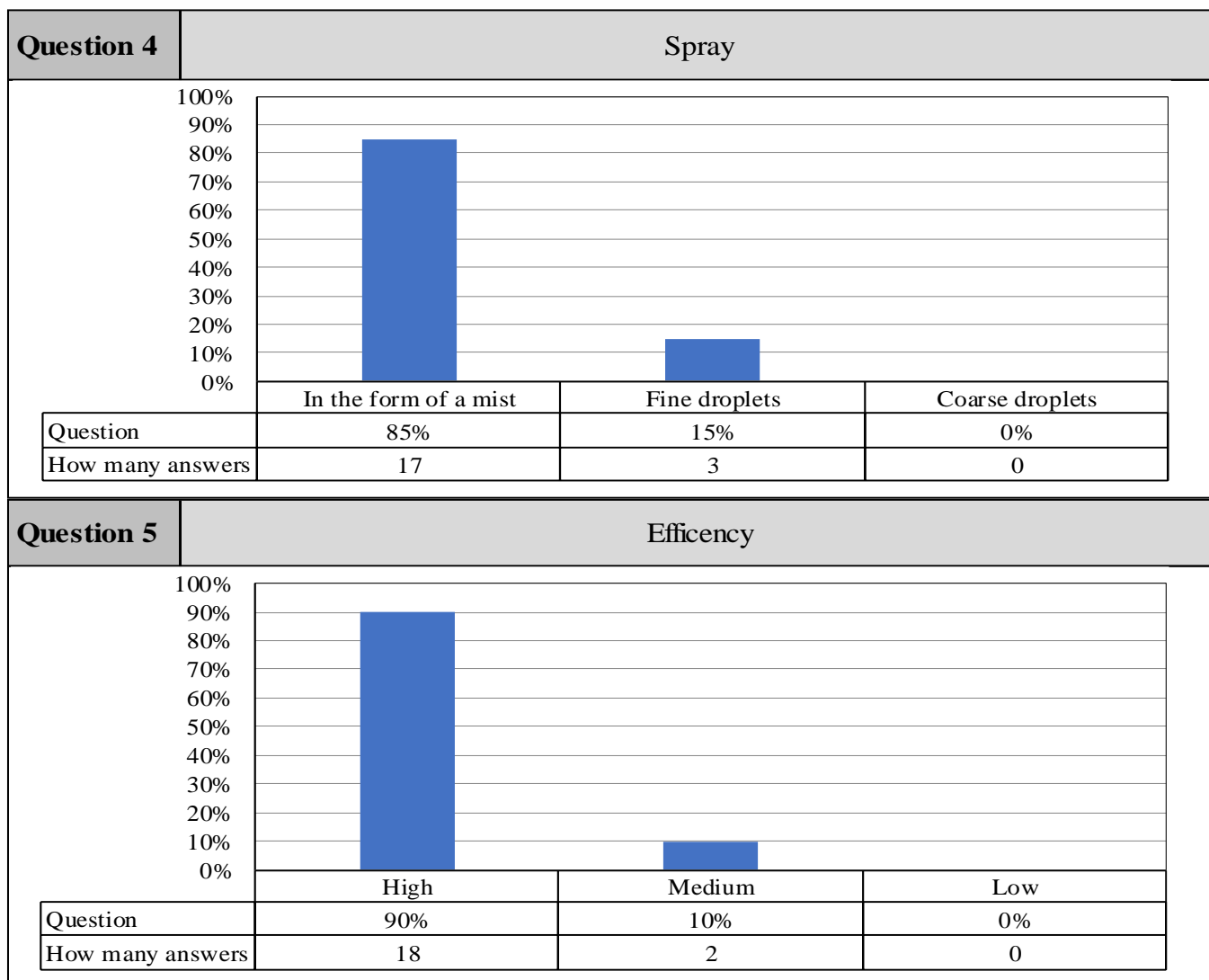
Statistics of the study group



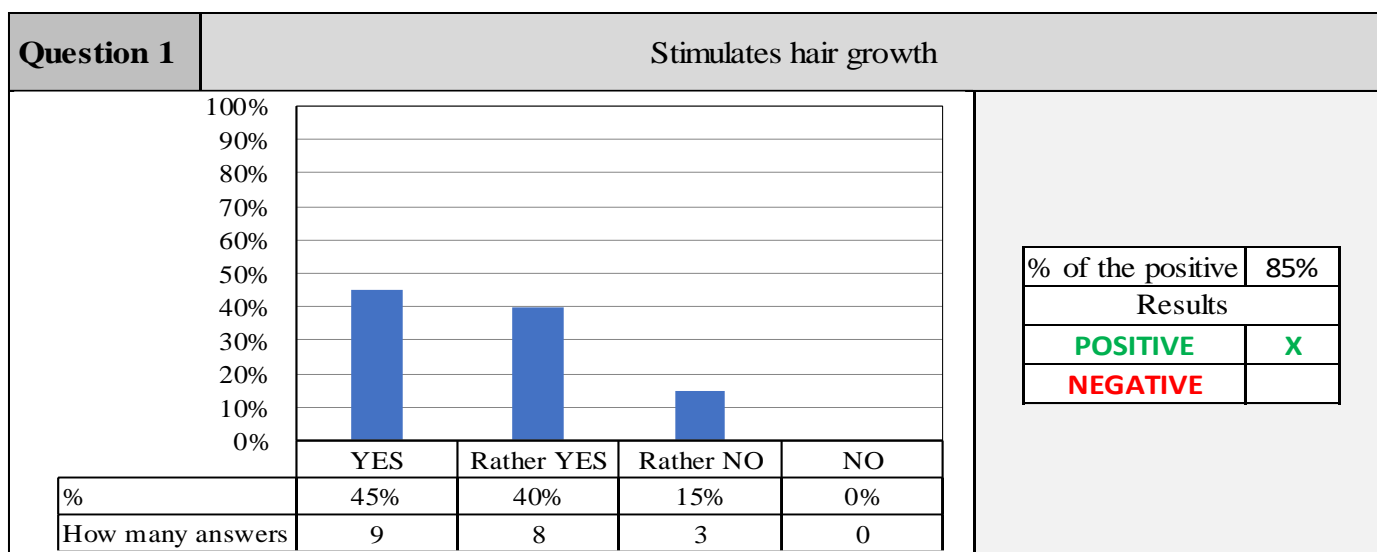
In-use test results

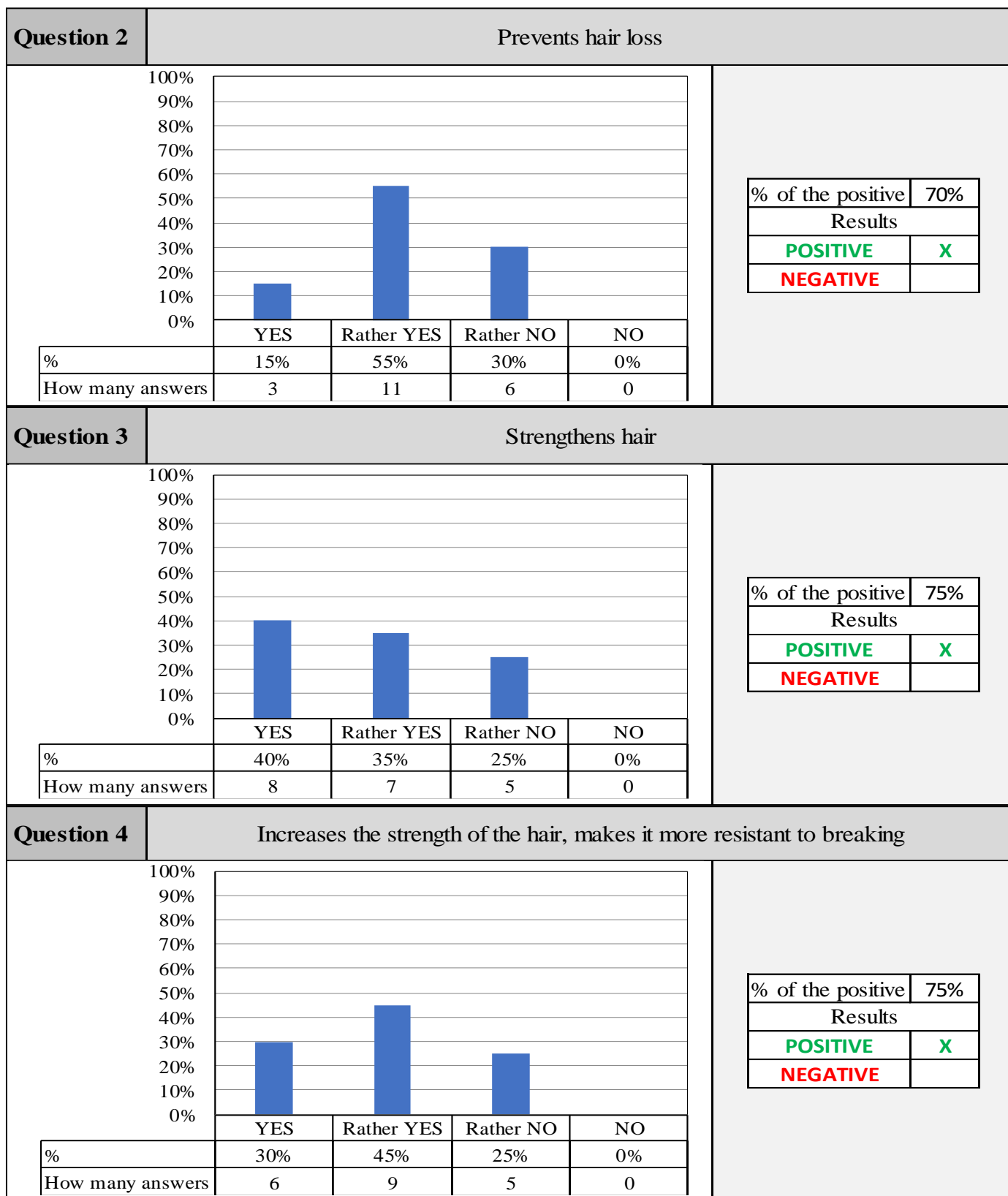
1. Results of organoleptic evaluation

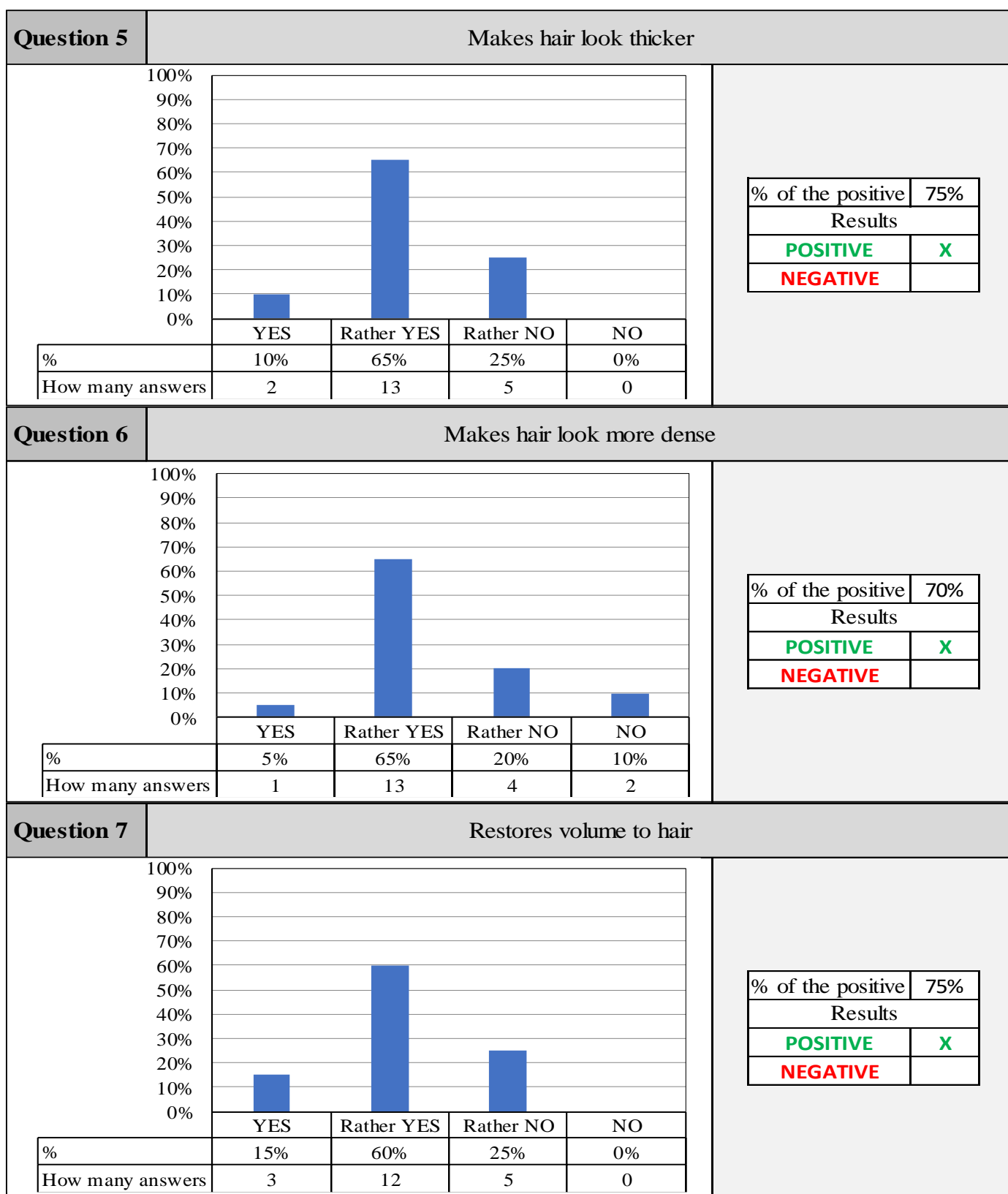


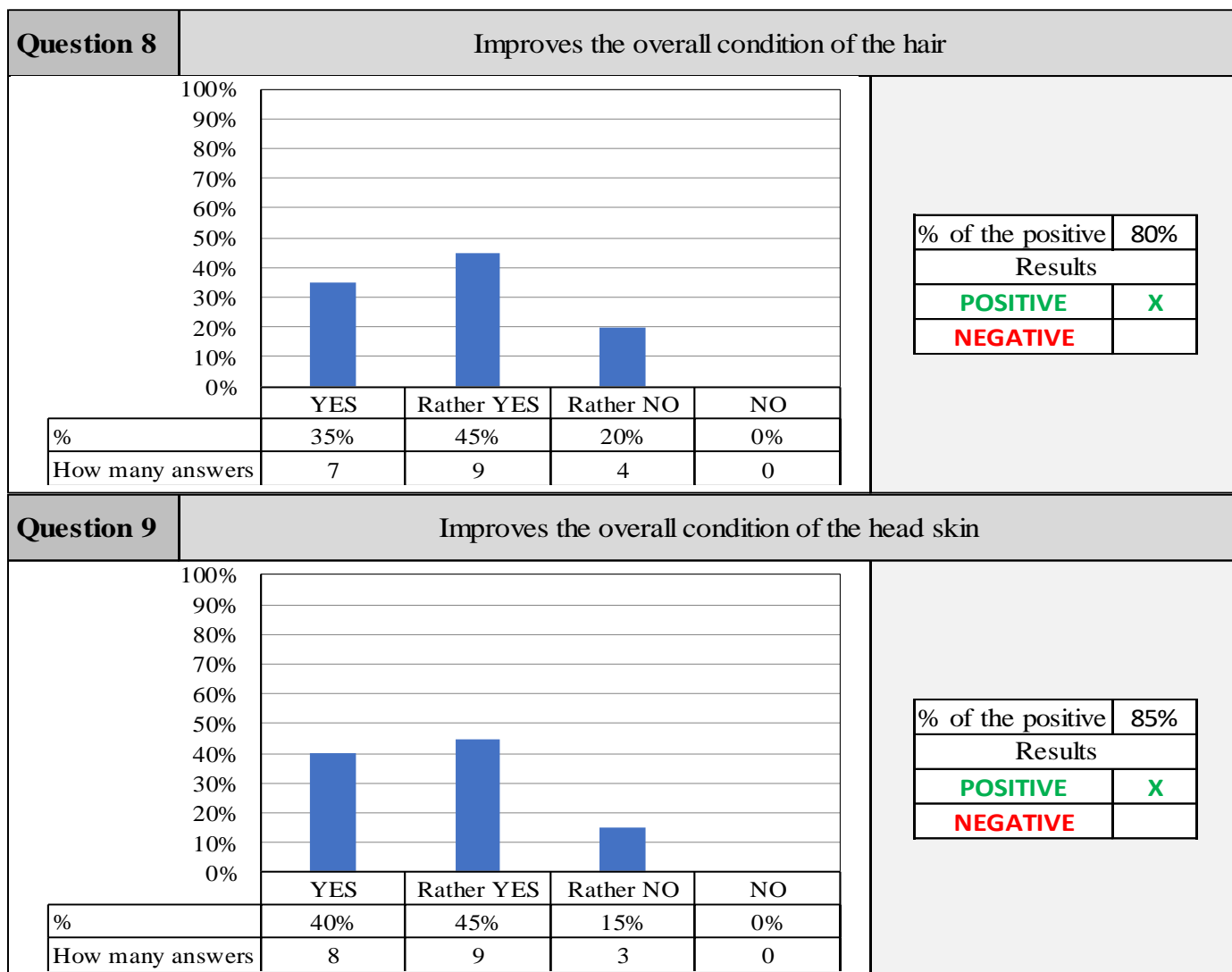


2. EVALUATION OF EFFECTS - after 3 months of use

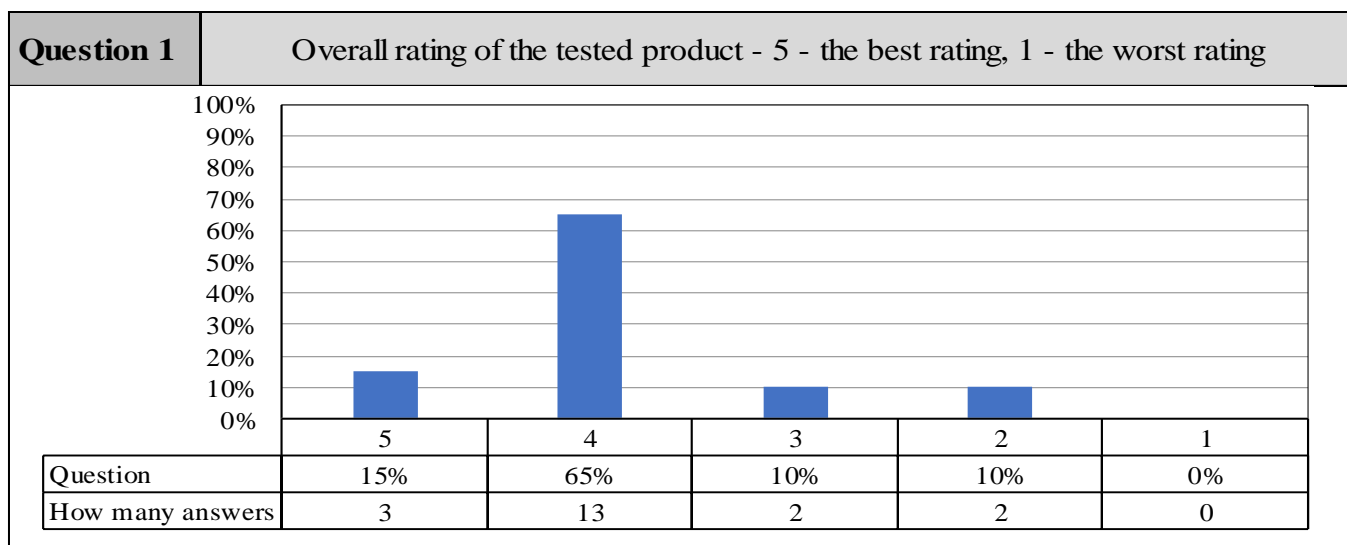


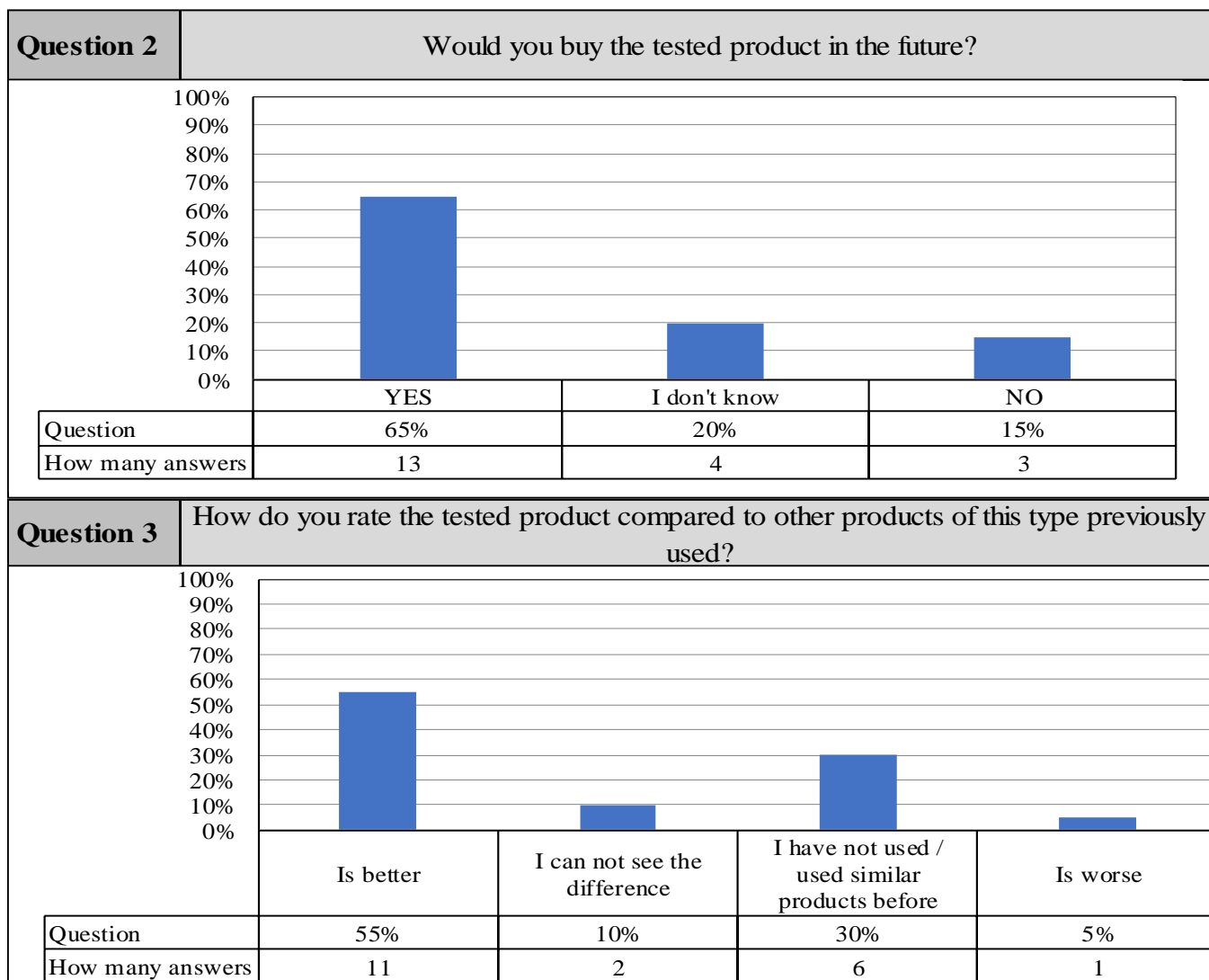






3. CONSUMER EVALUATION





4. DERMATOLOGIST'S OPINION

Based on the conducted research, it was found that in case of all 20 study subjects, the repeated application of the product (within 3 months) did not cause any undesirable symptoms, such as redness, swelling, rash. 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, **MOERIE „Ultimate Hair Growth Spray“** product is safe for use in care of all types of the scalp and hair. 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 Aleksandra Błazik - specialist in dermatology

Instrumental test results - the effect of regular use of the product






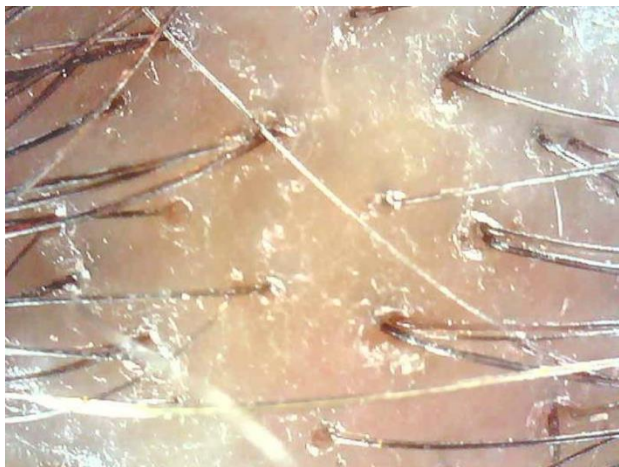
Legend:

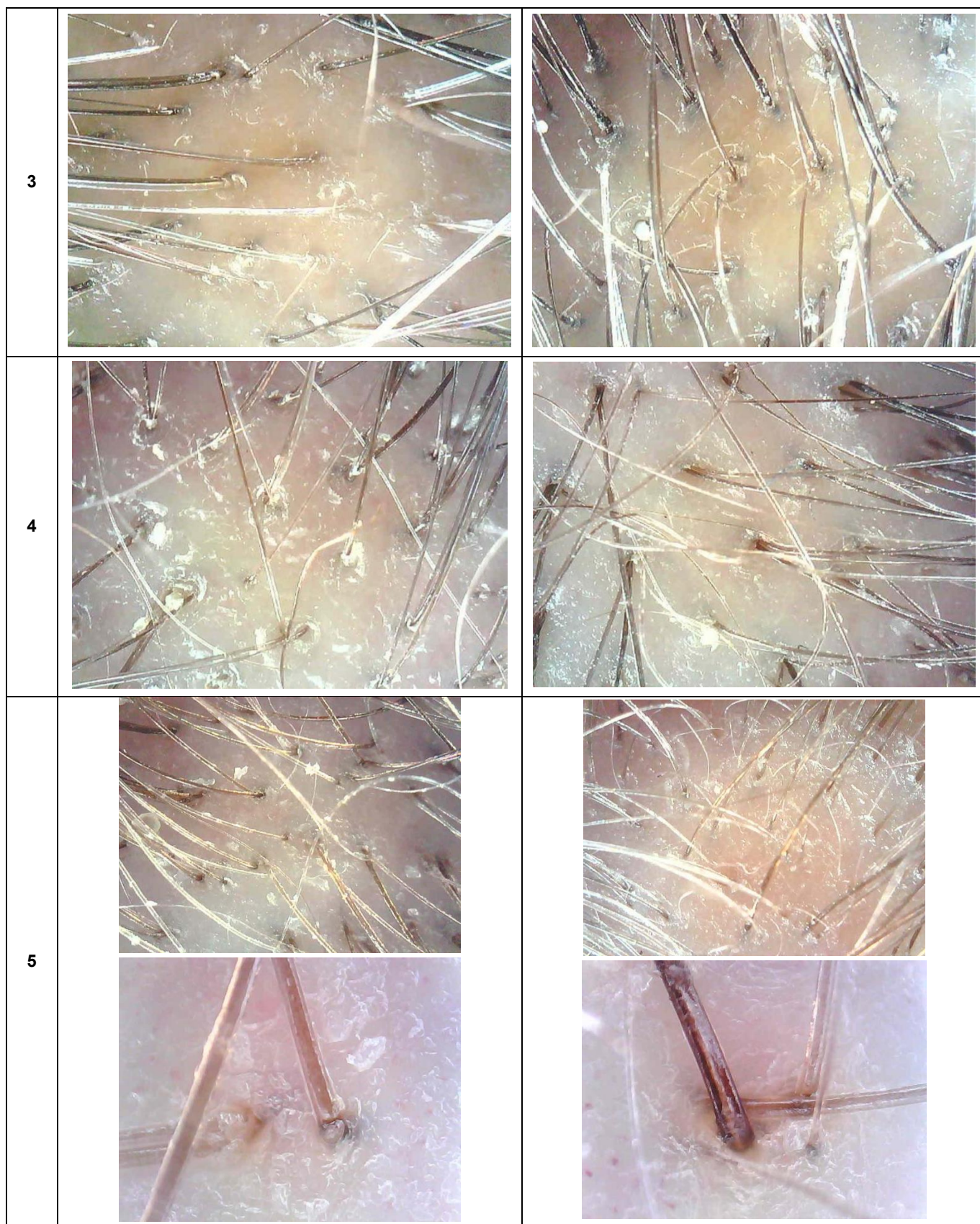
P₀ – photos taken before the first application of the product

P₁ – photos taken after 3 months of product use

1. Photographs showing positive changes in the appearance of the surface of the scalp and the mouths of the hair follicles.

After 3 months of using the product, an increase in hair volume, thickening of hair, replenishment of empty hair follicles with new hair follicles and a positive effect on the appearance of the scalp were noted.

L.p.	P0	P1
1	 	 
2		



SUMMARY

Based on the conducted in-use test, the following was found about the tested product **MOERIE „Ultimate Hair Growth Spray“**:

1. It was well tolerated by the skin in the place of application because in case of all 20 subjects it did not cause irritation, redness and allergic reactions or leave discomfort.
2. It fulfilled the expectations of the subjects in terms of organoleptic qualities, i.e.:
 - It has a pleasant fragrance of just right intensity;
 - It is easy to apply;
 - It has a spray in form of a mist;
 - It is efficient.
3. Used regularly for a period of 3 months (according to the method of use specified by the Manufacturer) showed positive effects on the scalp and hair. Based on the subjective feelings of the test subjects, the following declarations of the Manufacturer were confirmed:
 - Stimulates hair growth;
 - Prevents hair loss;
 - Strengthens hair;
 - Increases the strength of the hair, makes it more resistant to breaking;
 - Makes hair look thicker;
 - Makes hair look more dense;
 - Restores volume to hair;
 - Gives the sensation of regenerated skin;
 - Improves the overall condition of the hair;
 - Improves the overall condition of the head skin;

Based on the conducted instrumental tests, it was found that the tested product **MOERIE „Ultimate Hair Growth Spray“** used regularly for a period of 3 months:

- Visibly increases hair volume and thickness of hair;
- Replenishments of empty hair follicles with new hair;
- Contributes to improving scalp and hair condition and appearance.

Based on the conducted in-use and instrumental tests, it was concluded that the tested product **MOERIE „Ultimate Hair Growth Spray“** can be recommended for daily care of the scalp and hair, regardless of its type.

COMMENTS

This document completely replaces Attachment no. F/13651/06/P/1 to the Test Report.

THE END of the Attachment

Prepared on: 13.03.2023	Prepared by: GBA POLSKA employee no.: 2477	Authorized by: GBA POLSKA employee no.:2426
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