

AKOSKY® AZUKI

Akott®  
*Evolution*  
RESEARCH & CREATIVITY



FROM THE FASCINATING  
WORLD OF SPROUTS  
THE HAIR FOLLICLE  
**STIMULATING ACTIVE**  
FOR **HAIR AND**  
**EYELASHES GROWTH**

# THE CONCEPT

The **hair growth** cycle is directly correlated with the health of the hair follicle and of the scalp. Similarly, **eyelashes growth** cycle depends on the health of the eyelashes follicle and of the eyelid extracellular matrix.

**Akott has developed AKOSKY® AZUKI, a powerful active of fresh organic Mung Bean and Red Clover sprouts. AKOSKY® AZUKI has the extraordinary ability to stimulate the production of growth factors in the hair/eyelashes follicle to re-establish its healthy cycle.**

Sprouts are one of the richest sources of **phytomolecules** in nature.

These biologically active compounds stimulate the production of growth factors for **stronger and thicker hair and lashes.**

## ORIGIN

**Fresh organic Mung Bean and Red Clover Sprouts concentrate**

## ECO SUSTAINABLE SOLUTION

The extract is produced in the laboratory under controlled conditions, avoiding plant depletion from the environment.

## EFFICACY

*In vitro* testing shows modulation of IGF1, BMP4, PDGF-A and SMC3 proteins that **restore healthy hair/eyelash follicle cycle.**

### HAIR EFFICACY

Clinical studies show improvement of hair strength and density after 28 days.

### EYELASHES EFFICACY

Clinical studies show improvement of eyelashes length and density after 28 days.

## MECHANISM OF ACTION

Polyphenols and secondary metabolites rebalance hair/eyelash follicle cycle.



# RESULTS

## LABORATORY STUDY (*in vitro*)

EFFICACY	TEST	RESULTS*
<b>Optimizing hair/eyelash follicle cycle</b>	Insulin Growth Factor 1 (IGF-1) by RT-qPCR	<b>+133%</b>
	Platelet Derived Growth Factor (PDGF) by RT-qPCR	<b>-52%</b>
	Bone Morphogenetic Protein 4 (BMP4) by RT-qPCR	<b>+67%</b>
	Structural Maintenance of Chromosome 3 (SMC 3) by RT-qPCR	<b>+48%</b>

Study was run on Human Follicle Dermal Papilla Cells (HFDPC) \*all data significant compared to control

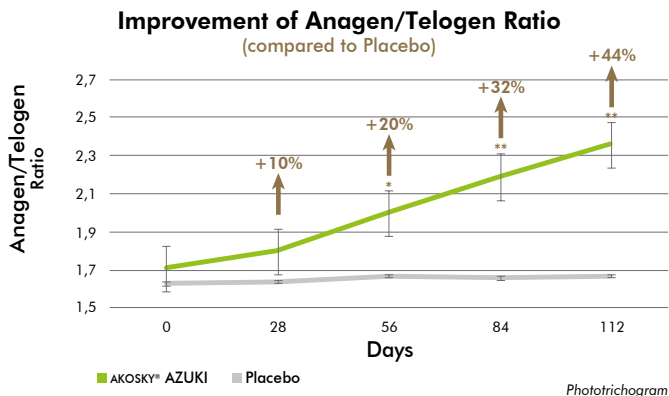
# Hair Growth Efficacy Evaluation

## RESULTS

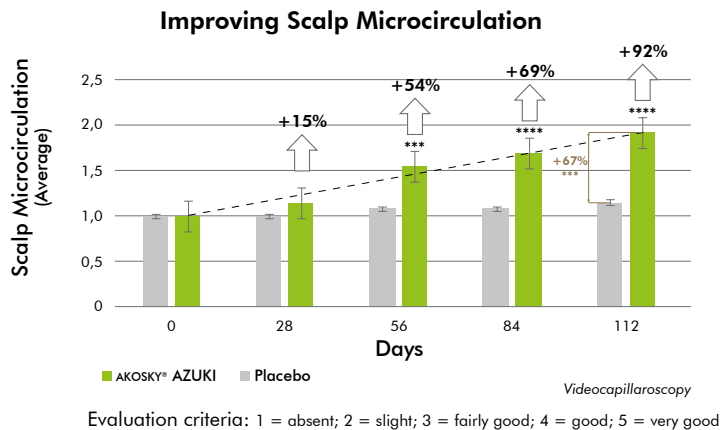
### CLINICAL STUDY

26 males (age 25-55 years old), with localized or spread hair loss, were divided into two groups of equal number. The first group applied on the scalp a product containing AKOSKY® AZUKI at 1%, the other one applied a placebo formulation for 4 months.

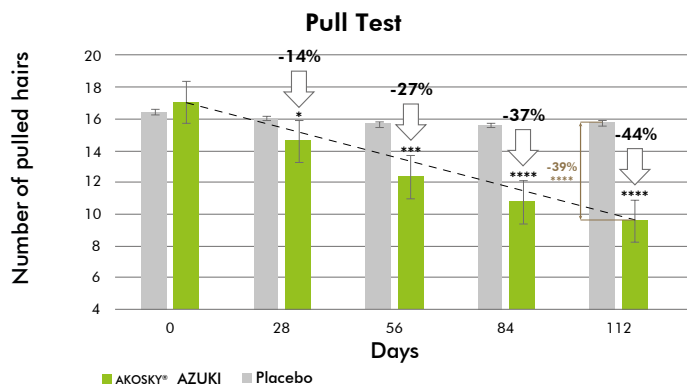
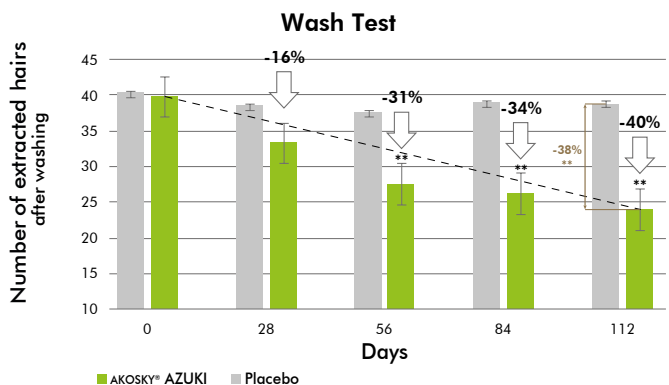
### INCREASING THE ANAGEN/TELOGEN RATIO RESTORING A HEALTHY HAIR CYCLE



### IMPROVING SCALP MICROCIRCULATION



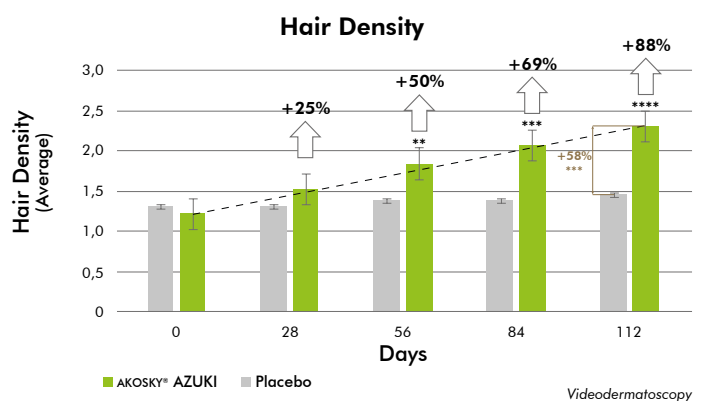
### DEVELOPING STRONGER HAIR



### INCREASING HAIR DENSITY



Reduction of hair loss



\*p ≤ 0,05, \*\*p ≤ 0,01, \*\*\*p ≤ 0,001, \*\*\*\*p ≤ 0,0001

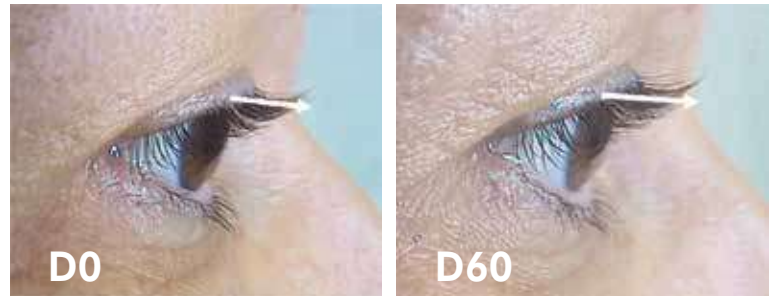
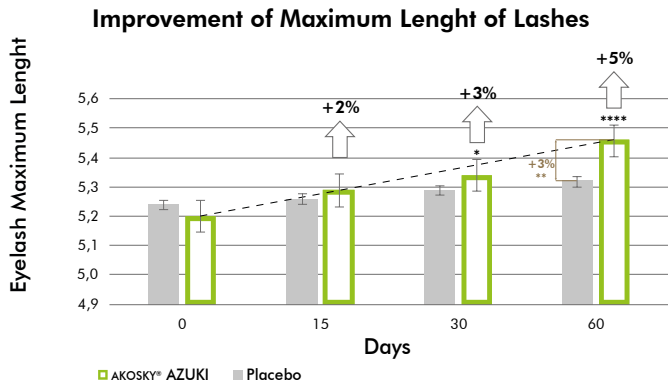
# Eyelashes Growth Efficacy Evaluation

## RESULTS

### CLINICAL STUDY

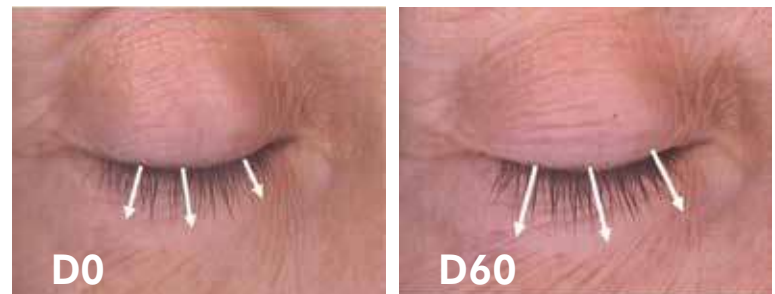
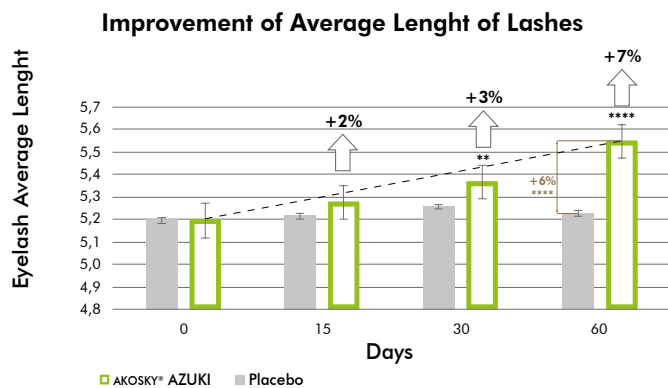
15 female volunteers (average age 42 years old) applied a product containing AKOSKY® AZUKI at 1% on one eye and a placebo formulation on the other eye. The subjects applied the products at the roots of lashes twice a day for 60 days.

### SIGNIFICANT IMPROVEMENT OF EYELASH MAXIMUM LENGTH



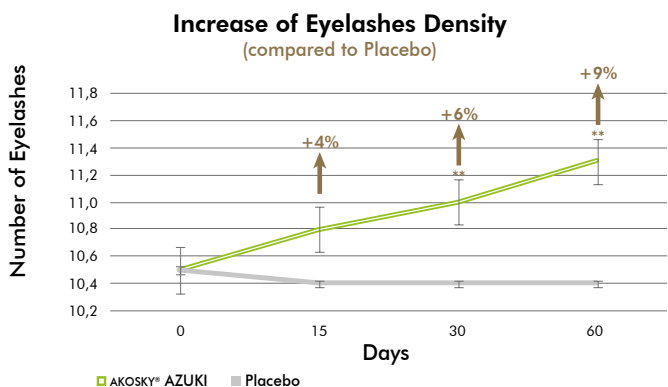
Digital image showing the improvement of eyelash maximum length (best performing volunteer)

### SIGNIFICANT IMPROVEMENT OF EYELASH AVERAGE LENGTH



Digital image showing the improvement of eyelash average length (best performing volunteer)

### SIGNIFICANT INCREASE OF EYELASHES DENSITY



**11 NEW EYELASHES MORE EVERY 200 LASHES ONLY AFTER 30 DAYS**

\*p ≤ 0,05, \*\*p ≤ 0,01, \*\*\*p ≤ 0,001, \*\*\*\*p ≤ 0,0001

# CLINICALLY TESTED FORMULATIONS

## HAIR PRODUCT

### HAIR LOSS SERUM

PHASE	INGREDIENT	%
A	Aqua (Water)	66,8
	Glycerin	0,1
	®AKOLL X (Xanthan Gum)	0,1
B	Ethanol	30,0
	SPIDER ABN (Sorbeth-2/Oleate/Dimer Dilinoleate Crosspolymer)	1,0
C	<b>AKOSKY® AZUKI</b>	<b>1,0</b>
D	Citric Acid	q.s.
E	Konser 712 (KosmAG)	1,0



EFFECTIVE ACTIVE FOR HAIR GROWTH AND HAIR LOSS

## EYELASHES PRODUCT



### TRANSPARENT EYELASHES GEL

PHASE	INGREDIENT	%
A	Aqua (Water)	90,5
	Pentylene Glycol	6,0
	Propylene Glycol	2,0
B	®AKOLL X (Xanthan Gum)	0,3
C	Gellan Gum	0,2
D	<b>AKOSKY® AZUKI</b>	<b>1,0</b>

MAGICAL ACTIVE FOR DENSER AND LONGER EYELASHES

# PRODUCT INFORMATION

**INCI name:** Glycerin (and) Water (and) (Trifolium Pratense (Clover)/Vigna Radiata) Sprout Extract

**CAS number:** 56-81-5, 7732-18-5, -

**EINECS number:** 200-289-5, 231-791-2, -

**REGULATORY:** EU, USA, China\*, Japan\*

*\*INCI Glycerin, Aqua (Water), Trifolium Pratense (Clover) Extract, Vigna Radiata Seed Extract*

**APPEARANCE:** Slightly opalescent light-brown liquid

**SOLUBILITY:** Hydrosoluble

**USE:** Recommended dosage is 1%

**FORMULATION TIPS:** The product is liquid and easy to use, quickly absorbing and not sticky on hair/eyelashes

**SAFETY DATA:** AKOSKY® AZUKI has been tested for skin tolerance and has demonstrated a good safety profile

**COSMOS:** Approved

**HALAL:** Compliant

**VEGAN:** Friendly



**COSMOS  
APPROVED**

## COSMETIC PROPERTIES

STIMULATES HAIR/EYELASHES GROWTH

## APPLICATIONS

### HAIR PRODUCTS

HAIR REGROWTH

ANTI-HAIR LOSS

HAIR TREATMENT VIALS

### EYELASHES PRODUCTS

EYELASHES REGROWTH

STRONGER EYELASHES

DENSER EYELASHES

LONGER EYELASHES



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