



Special  
chemicals

# SCH Blend<sup>®</sup> Eye Lift

Actives for the skin

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# 01

## Introduction



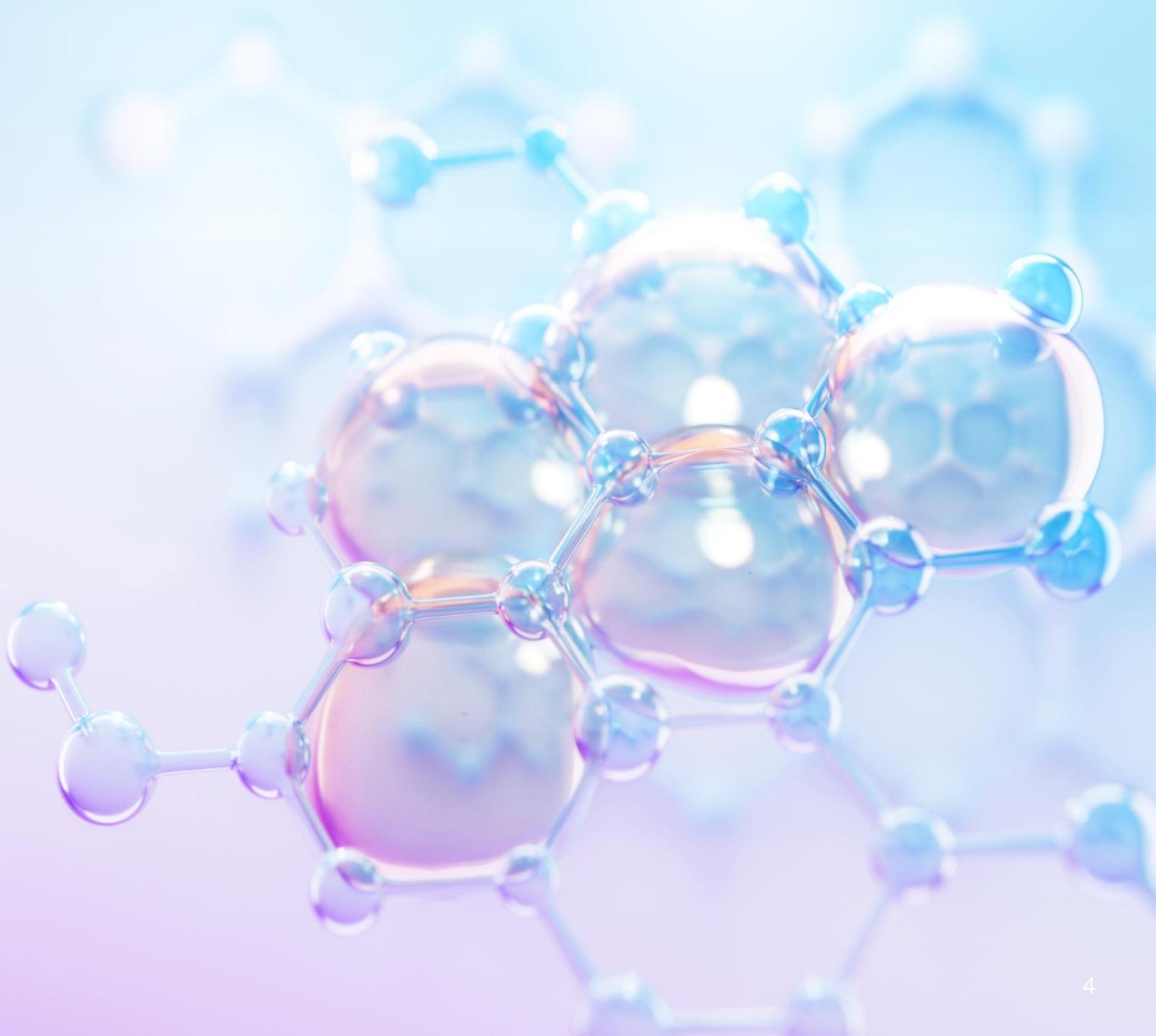
# 01

## Introduction

**SCH Blend® Eye Lift** is the most advanced combination of multifunctional ingredients with important benefits to guarantee a strong action of draining, BTX lifting effect and detoxifying.

### Main activities

- Draining- Decongestive
- Anti glycation-BTX lifting effect
- Periorbicular rhytidosis-Anticoagulant
- Detoxifying-Anti inflammatory
- Lifting - Texturizing- Moisturizing





# 01

## Composition

### INGREDIENT

%

### FUNCTION

Pullulan	4 - 8	Active
Acetyl Tetrapeptide-5	0,045 – 0,055	Active
Dipeptide-2	0,045 – 0,055	Active
Acetyl Hexapeptide-8	0,045 – 0,055	Active
Acetyl Octapeptide-3	0,022 – 0,027	Active
Phytonadione Epoxide	0,4 – 0,6	Active
Aqua	Up to 100	Solvent
Polyglyceryl-6 Caprylate	5 – 20	Solvent
Polyglyceryl-4 Caprate	5 – 20	Solvent
Methylpropanediol	1,5 – 2	Preservative
Caprylyl Glycol	0,2 – 0,4	Preservative



After 20 minutes there is a 16% increase in firmness



Strong BTX lifting effect





# 02

## Ingredients





## 02 Ingredients

### 1. Acetyl Tetrapeptide-5

Draining / Decongestive / Anti-glycation

**Acetyl tetrapeptide-5 (ATP-5)** is a peptide with exceptional anti-endemic properties (draining and decongestive) with proven effectiveness to **reduce bags, drooping eyelids and dark circles** through a double action mechanism: collagen anti-glycation and **inhibiting the vascular permeability** that causes edema.





## 02 Ingredients

### 2. Acetyl Hexapeptide-8 & Acetyl Octapeptide-3

BTX Lifting Effect / Periorbicular Rhytids

“**BTX tensor effect**” biotechnological complex formed of Acetyl Hexapeptide-8 (AHP-8) and Pentapeptide-18 (PP-18) in a 2:1 proportion. Its synergistic action **prevents the gestural appearance of expression wrinkles** by mitigating muscular contraction through the presynaptic pathway. AHP-8 competes with **SNAP-25** for a position in the **SNARE complex** (muscular contraction), destabilizing its formation through a competitive **inhibition mechanism**. PP-18 prevents Ca<sup>2+</sup> from entering the neurons of the muscular tissue, reducing its excitability. The two peptides modulate glutamate release in a complementary manner (+40%). **It maintains the anti-wrinkle effect** of a Botulinum toxin (Botox) injection in the frontal and periorbital area, prolonging **its effect by 6 months**.



## 02 Ingredients

### 3. K1 Vitamine (oxide)

Anticoagulant / Detoxifying

K Vitamin is necessary for the **synthesis of prothrombin** (factor II) and clotting **factors VII, IX and X**. Vitamin K blocks the formation of hemosiderin by **preventing the extravasation of blood** (vascular permeability).

Vitamin K oxide has **detoxifying properties** of ROS species caused by xenobiotics and solar radiation. As a clotting agent, it prevents the appearance of **vascular hyperchromias**, especially in the orbit (dark circles).





## 02 Ingredients

### 4. Dipeptide-2

Draining / Anti-inflammatory

Dipeptide of the **amino acids valine and tryptophan (VW)**, with high bioavailability and self-similarity with certain essential components of the natural moisturizing factor (**NMF**).

Dipeptide-2 **stimulates lymphatic and vascular flow**, reducing interstitial metabolic deposits pocketed in the lower palpebral area (bags).

Its vascular action mechanism is based on **inhibiting the activity of the angiotensin** converting enzyme (ACE) and, therefore, on prolonged bradykinin action.

In the lymphatic system, dipeptide-2 **increases the frequency of contraction and pumping of lymphangiomias**, which function as small lymphatic hearts, reducing the hypertensive effect associated with bags.

Its **soothing and decongestive properties** on the periorbicular area are due to its inhibiting effect on interleukin-6 (IL-6).



## 02 Ingredients

### 5. Pullulan

Lifting / Texturizing / Moisturizing

Pullulan is a **natural polysaccharide of maltotriose** obtained through fermentation of the **Aureobasidium mold**.

Its ability to **form a laminate film on the surface of the skin**, like the dermal extracellular matrix (DEM), gives it moisturizing, **lifting and firming properties**.

The film-forming effect of Pullulan **provides support and structure to the orbicular area**, characterized by low dermal thickness, while electrostatically promoting the intercellular permeability of active ingredients with low molecular weight such as Vitamin K oxide and **opto-cosmetic peptides**.





# 03

## Anti-dark circles efficacy test under dermatological control

520 ml  
3.3 ORB



## 03 Efficacy test under dermatological control

**Objective of the study** → Evaluate the effectiveness of an eye cream with the active ingredient SCH Blend™ Eye Lift 5% on dark circles and puffiness

**Design** → 20 volunteers with purple dark circles and bags

**Duration** → 56 days of use (2 applications/day)

### Evaluations

- Dermatological: bags/dark circles.
- Instruments: firmness, elasticity, hydration, coloring, luminosity and volume of bags.
- Subjective evaluation of efficacy and sensoriality.





## 03 Efficacy test under dermatological control

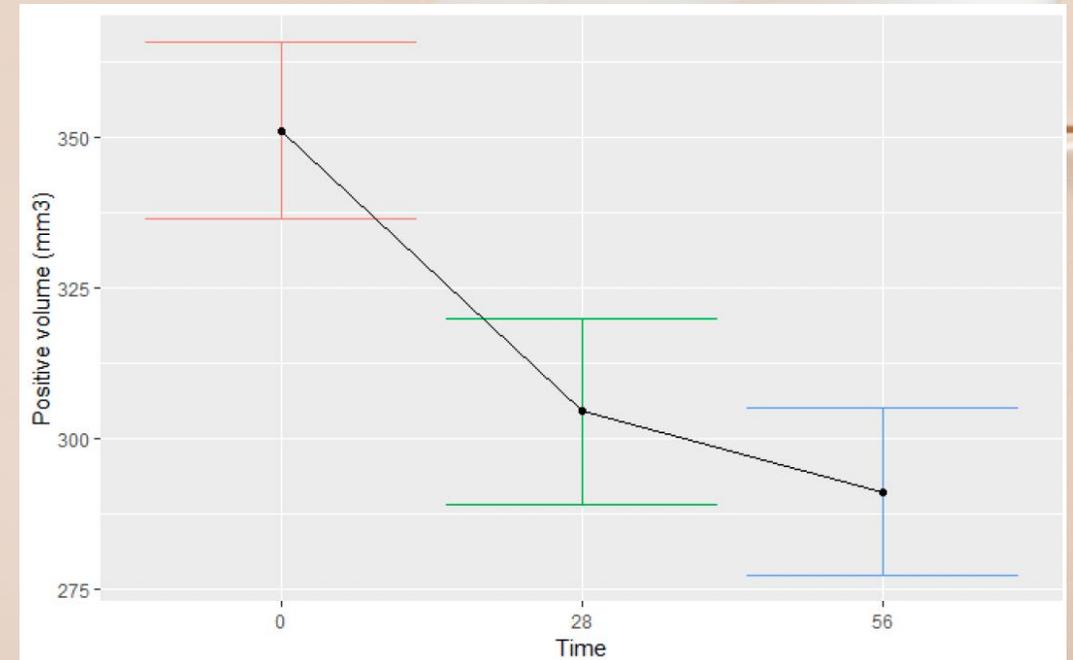
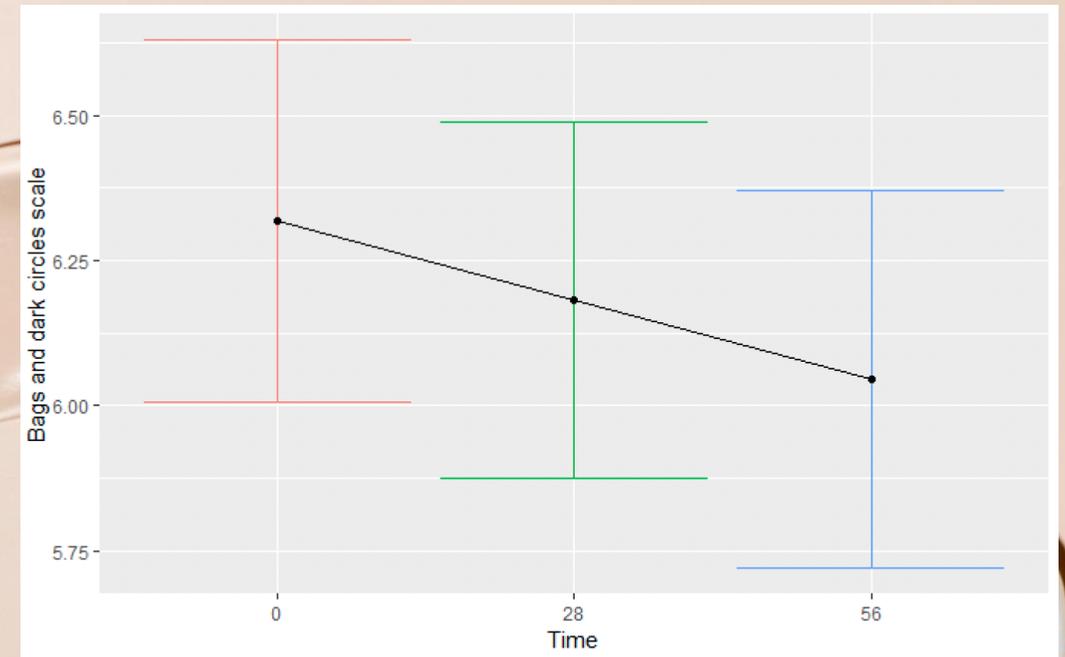
### Dermatological evaluation

#### Dark circles (visual scale)

- Day 28: -2.2%
- Day 56: -4.3%

#### Bags (AEVA3D)

- Day 28: -13.3%
- Day 56: -17.1%

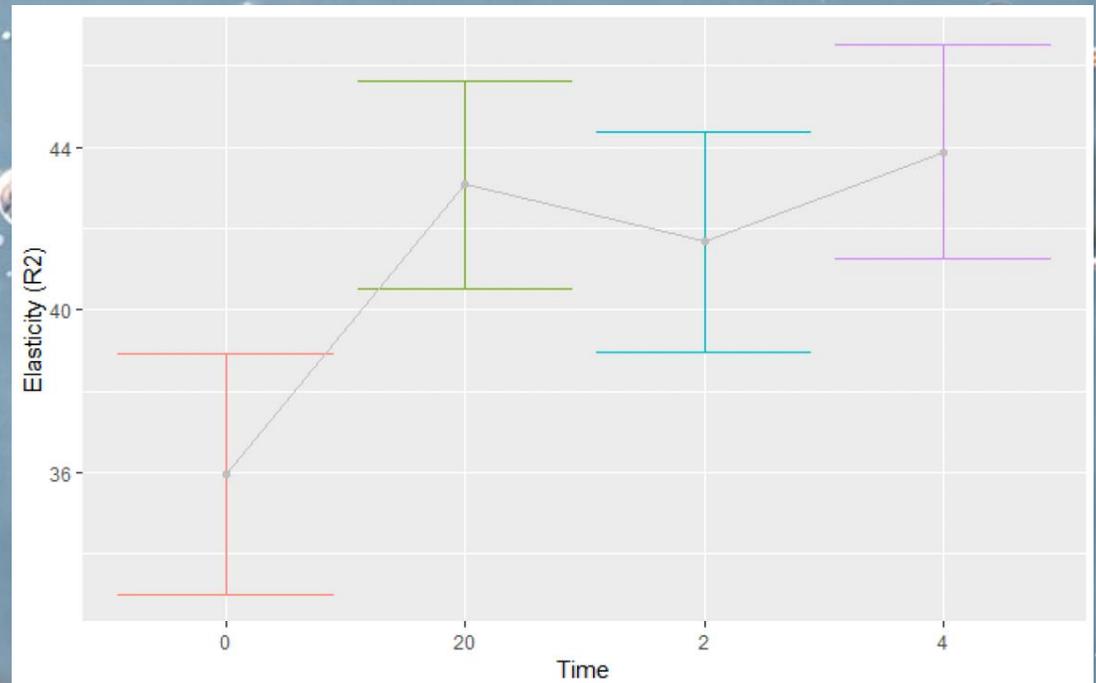
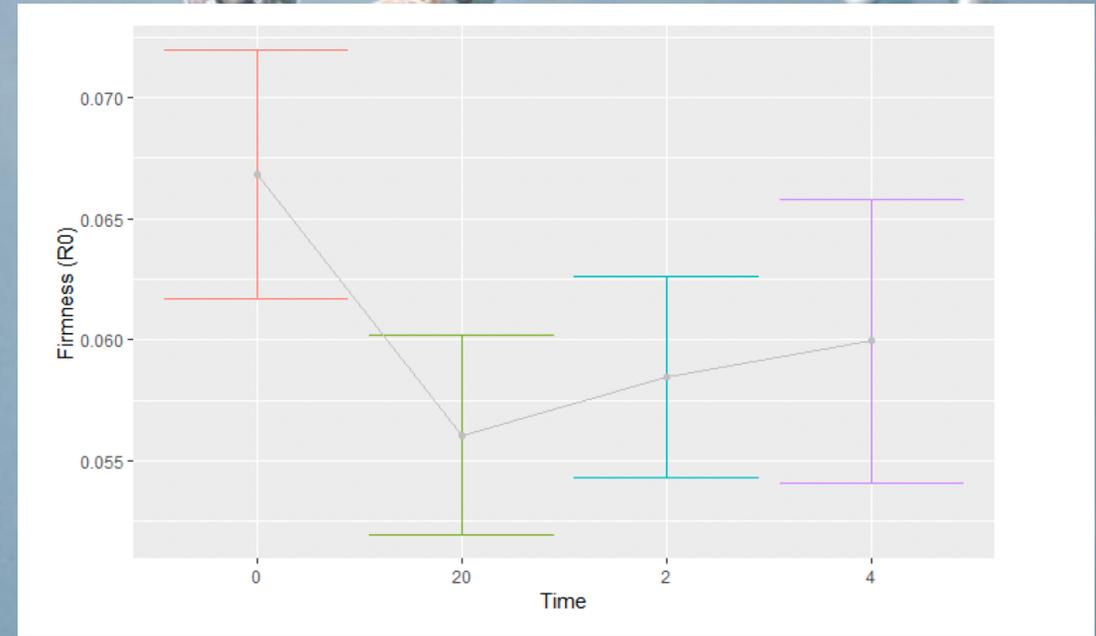


### 03 Efficacy test under dermatological control

#### Firmness and elasticity

**Firmness (R0)** → Maximum improvement of 16.4% at 20 minutes

**Elasticity (R2)** → Maximum improvement of 22.1% at 4 hours

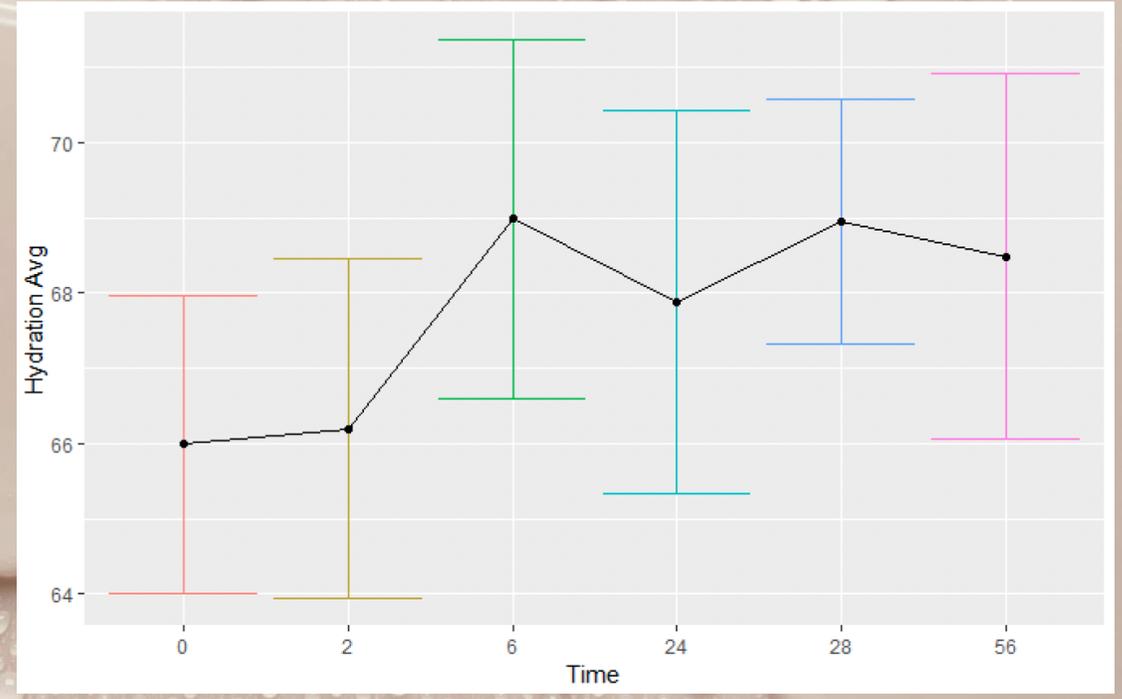




# 03 Efficacy test under dermatological control

Hydration

Maximum results → +4.5% (6 h and 28 days)





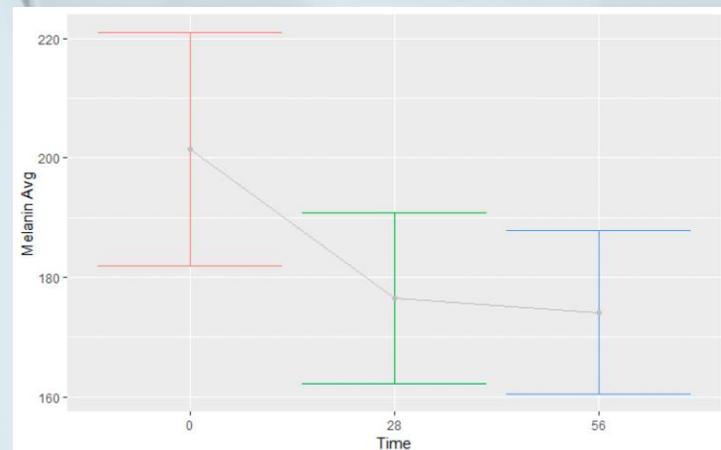
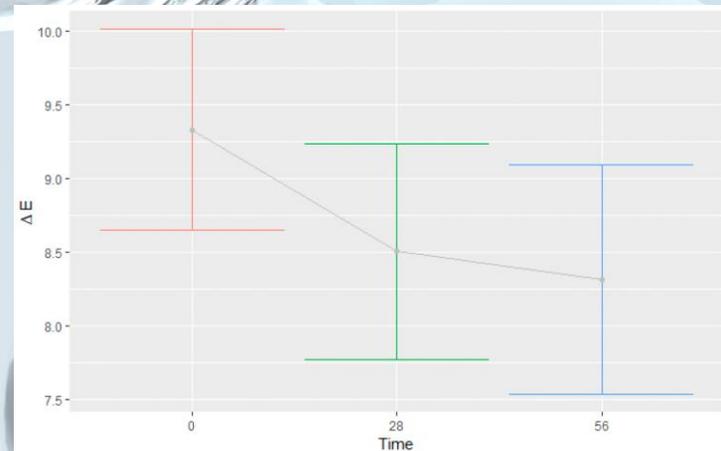
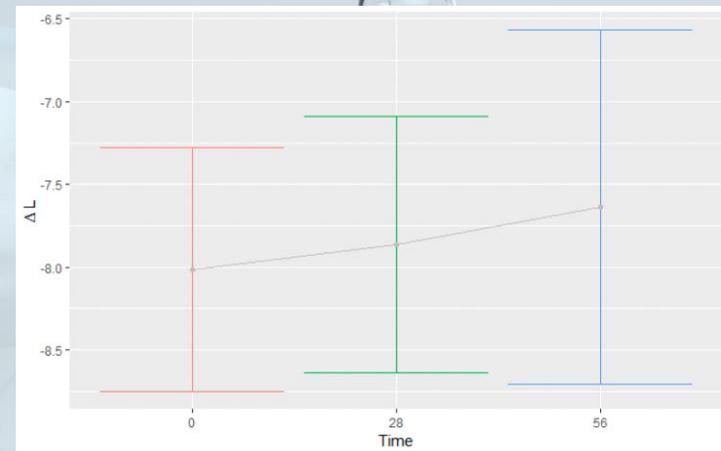
## 03 Efficacy test under dermatological control

### Colouring and luminosity

**Luminosity ( $\Delta L$ )** → Maximum improvement of 4.7% at 56 days

**General coloration ( $\Delta E$ )** → Maximum reduction of 10.9% at 56 days

**Melanin** → Maximum reduction of 13.6% at 56 days





## 03 Efficacy test under dermatological control

### Subjective evaluation

- Product absorption → 100%
- No greasy feeling and no residue → 100%
- Texture and extensibility → 95%
- Soft skin feel → 86%
- Improves skin texture → 77%
- I feel my skin is more hydrated → 82%
- I feel comfortable → 82%



## 03 Efficacy test under dermatological control

### Conclusion

Significant reduction in puffiness (-17%) and dark circles (-4%) at 56 days

Instrumental improvements in elasticity (+22%), firmness (+16%), hydration (+4%), coloration (-11%) and melanin (-14%)

High sensory acceptance and positive perception of softness, hydration and comfort (>70% satisfaction)





# 04 Formulation guides





## 04 Eye contour gel cream

### Manufacturing method

1. Mix the phase A components and shake until fully dispersed.
2. Add B to A and homogenize with a Turrax until a gel cream is formed.
3. Add C while shaking.

INGREDIENT	INCI	%	PHASE
Water	Aqua	84,5	A
Filmexel	Kappaphycus alvarezii extract, Caesalpinia spinosa fruit extract	0,5	
Zemea	Propanediol	3	
Lecigel	Sodium polyacrylate, Lecithin	2	B
Saemol 99	Isononyl isononanoate	3	
Dermosoft OM	Methylpropanediol, Caprylyl glycol Grandiflorum seed butter	2	C
<b>SCH Blend® Eye Lift</b>	<b>Aqua, pullulan, Polyglyceryl-6 caprylate, Polyglyceryl-4 caprate, Acetyl tetrapeptide-5, dipeptide-2, Acetyl hexapeptide-8, Acetyl octapeptide-3, Phytonadione epoxide, Methylpropanediol, Caprylyl glycol</b>	5	



# 05 Specifications





## 05 Technical specifications

CHARACTERISTIC	SPECIFICATION
Aspect	Translucent solution
Color	Colorless
Odor	Characteristic
Density (g/mL)	1,03 – 1,06
Dry weight (%)	20 – 25
pH	4 – 6
<b>Heavy metals content</b>	
Lead (Pb)	< 10 ppm
Arsenic (As)	< 2 ppm
Mercury (Hg)	< 1 ppm
Cadmium (Cd)	< 1 ppm
Dosage (%)	5 – 20
Expiration	24 months
Solubility	Water soluble





# **SCH Blend<sup>®</sup> Eye Lift**

**Actives for the skin**