



SCH ShellCare[®] TRAX

Actives for the skin

Content

01. Introduction	3
The shell	4
Ingredients	5
02. Ingredients	6
03. Studies	8
In-vivo test: Skin lightening, whitening & anti-spot	9
04. Specifications	12



01

Introduction



01

The shell

The encapsulation system is composed of **polycaprolactone**, a biodegradable polymer biosphere. Advantages include controlled release, enhanced stability, and improved efficacy of the active ingredients.

Main activities

- Evens skin tone
- Minimizes dark spot formation
- Promotes a uniform complexion
- Reduces melanin synthesis
- Treats hyperpigmentation





01 Composition

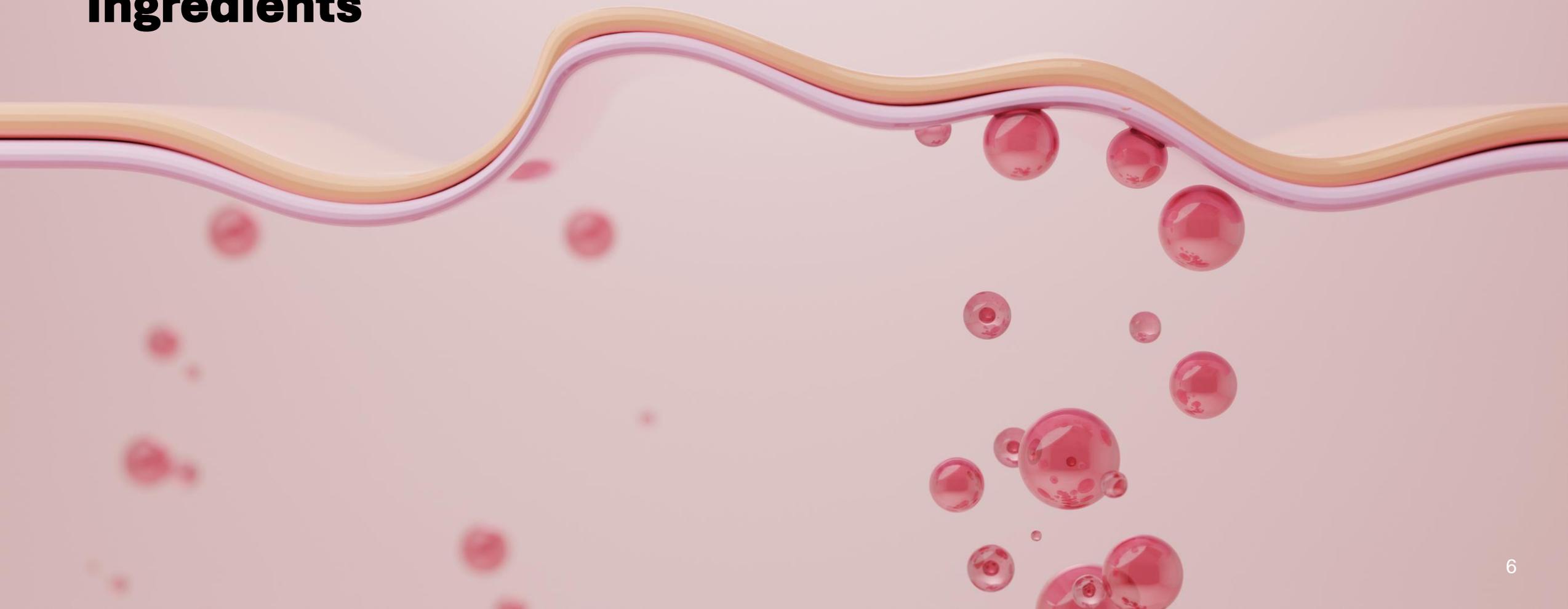
INGREDIENT	%	FUNCTION
Aqua	Up to 100	Solvent
Polycaprolactone	0,1 – 0,12	Capsule
Xanthan gum	0,4 – 0,6	Thickener
Tranexamic acid	4 - 6	Active
Caprylic capric triglyceride	0,02 – 0,03	Vehicle
Polyvinyl alcohol	0,01 – 0,02	Emulsifier
Sorbitan stearate	0,01 – 0,02	Emulsifier
Propanediol	4 – 6	Preservative
1,2-hexanediol	0,8 – 1,2	Preservative
Caprylyl glycol	0,8 – 1,2	Preservative





02

Ingredients



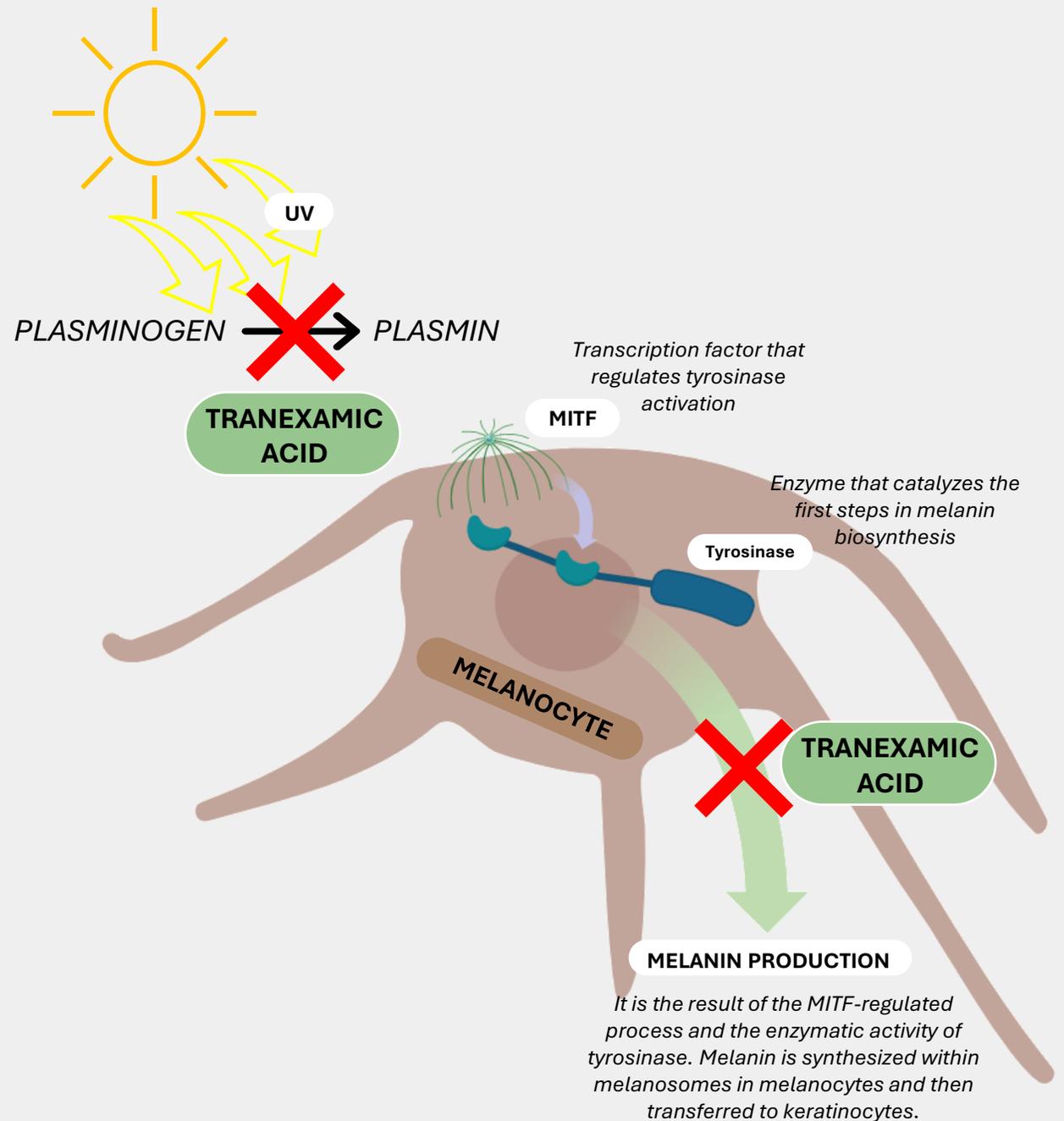
02 Ingredients

1. Tranexamic acid

Brightening / Reduces hyperpigmentation / Anti-inflammatory

Tranexamic acid is an active ingredient in skincare known for its ability to **reduce hyperpigmentation** and **even out skin tone**. Its mechanism of action involves inhibiting the production of plasmin, a molecule involved in skin inflammation, which in turn reduces the skin's response to UV radiation and the formation of dark spots. It also **disrupts the transfer of pigment from melanocytes to keratinocytes**, preventing the formation of hyperpigmentation, inhibiting the step of DOPA formation from tyrosine.

This acid is especially effective in targeting melasma, post-inflammatory hyperpigmentation, and other discolorations, offering a **brighter, more uniform complexion**. Additionally, its anti-inflammatory properties help soothe irritated skin, making it suitable for sensitive skin types.





03 Studies

520 ml
3.3 ORB



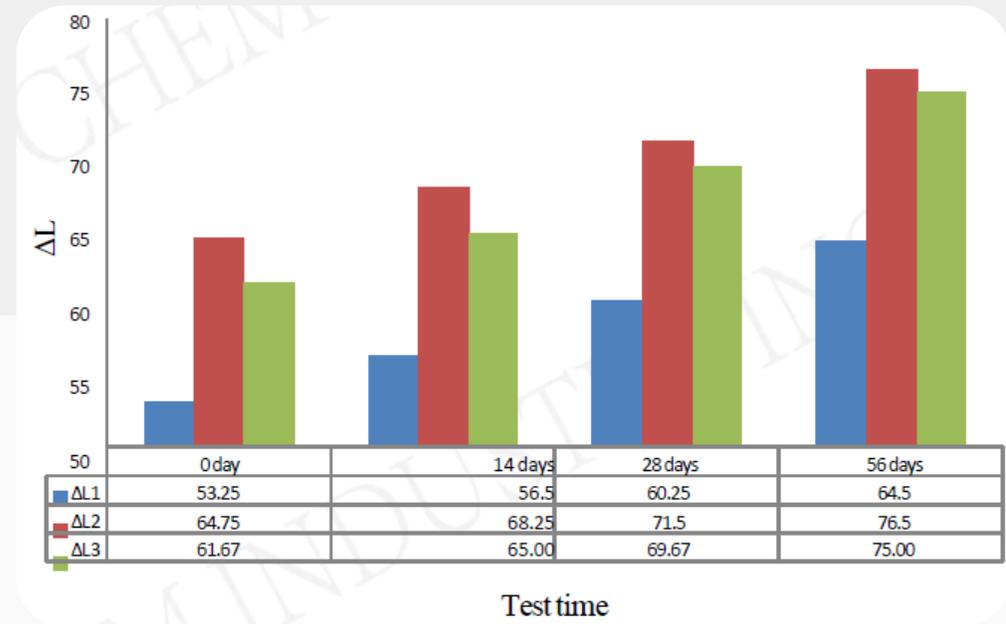
03 In-vivo test: Skin lightening, whitening & anti-spot

Results skin lightness (ΔL) \rightarrow Objective data

Comparing with the untreated, **skin lightness improved** significantly, which increased by 3,74% after 14 days, 6,13% after 28 days, **8,21% after 56 days** by treating with **0,5% SCH ShellCare® TRAX** whitening gel, respectively.

Comparing with the untreated, **skin lightness improved** significantly, which increased by 7,83% after 14 days, 12,11% after 28 days, **20,22% after 56 days** by treating with **2,5% SCH ShellCare® TRAX** whitening gel, respectively (graph below).

Product	2,5% and 0,5% SCH ShellCare® TRAX whitening gel
Subjects	2,5%: 15 females, 0,5%: 15 females
Age range	27 - 53 years old
Test zone	Face
Period	8 weeks



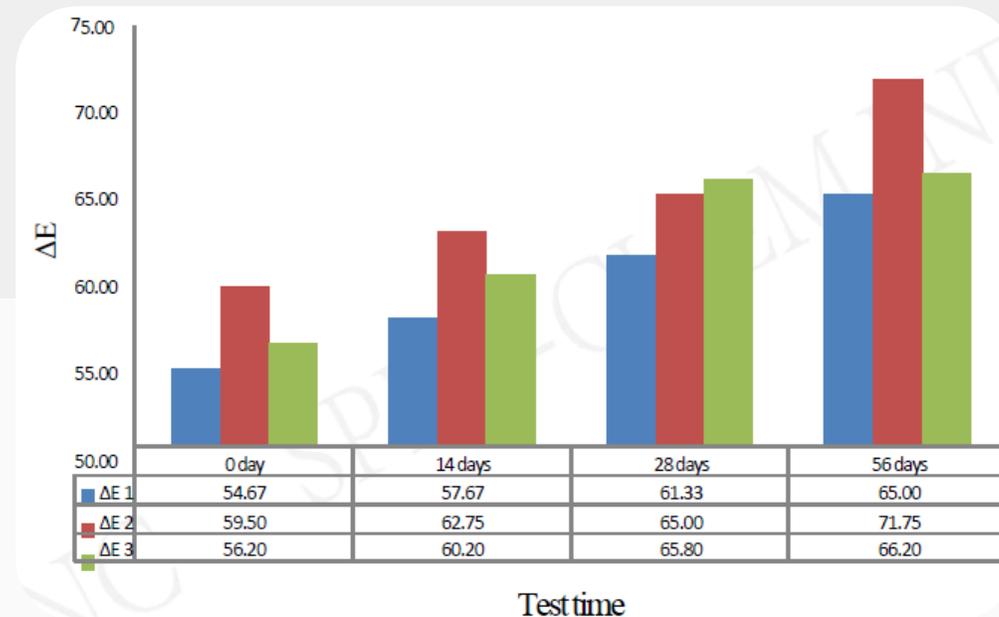


03 In-vivo test: Skin lightening, whitening & anti-spot

Results skin sensed color (ΔE) \rightarrow Subjective perception by the user

Comparing with the untreated, **skin sensed color improved** significantly, which improved by 3,74% after 14 days, 6,68% after 28 days, **8,23% after 56 days** by treating with **0,5% SCH ShellCare[®] TRAX** whitening gel, respectively.

Comparing with the untreated, **skin sensed color improved** significantly, which improved by 6,02% after 14 days, 12,77% after 28 days, **19,12% after 56 days** by treating with **2,5% SCH ShellCare[®] TRAX** whitening gel, respectively.



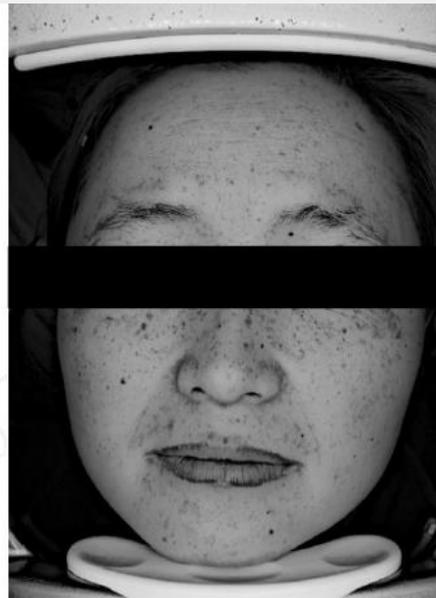
03 In-vivo test: Skin lightening, whitening & anti-spot

Anti-spot results

Comparing with the untreated, **spot amount & spot area & spot area ratio declined significantly after 14 days**. Spot amount declined by 4,17% after 14 days, 8,37% after 28 days, 12,50% after 56 days. Spot area decline 12,04% after 14 days, 18,52% after 28 days, 25,73% after 56 days. Spot area ratio decline 10,81% after 14 days, 18,92% after 28 days, 29,73% after 56 days when treating with **0,5% SCH ShellCare® TRAX** whitening gel.



Day 0



Day 14



Day 28



Day 56

04

Specifications





05 Technical specifications

CHARACTERISTIC	SPECIFICATION
Aspect	Viscous solution
State	Liquid
Color	Colorless to off-white
Odor	Characteristic
Dosage (%)	2,5 - 5
Solubility	Dispersible in water
Regulatory status	
Europe	OK
China	OK
USA	OK



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