

# Phytosqualan®

High performing natural emollient  
bringing optimal comfort to your skin

## I IDENTITY

Phytosqualan® is a natural vegetable squalane, sourced from olive, renewable vegetable source, and recognized as a major ingredient in cosmetic formula. **Squalene molecule** is a major component of human sebum and is found in some vegetable sources. Its hydrogenation gives squalane, a highly stable molecule, used as a high performing emollient.



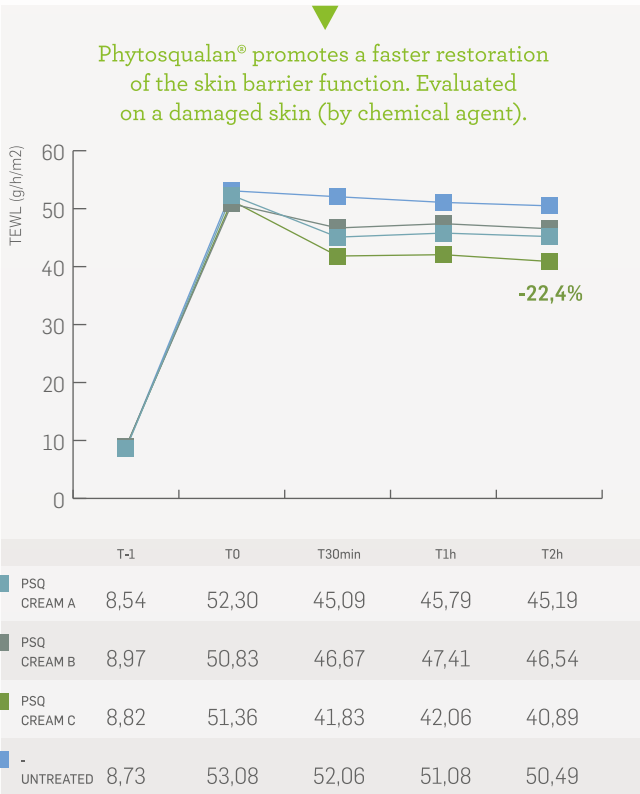
## I PROPERTIES

Phytosqualan® is sourced from olive oil, and offers a large choice of key properties:

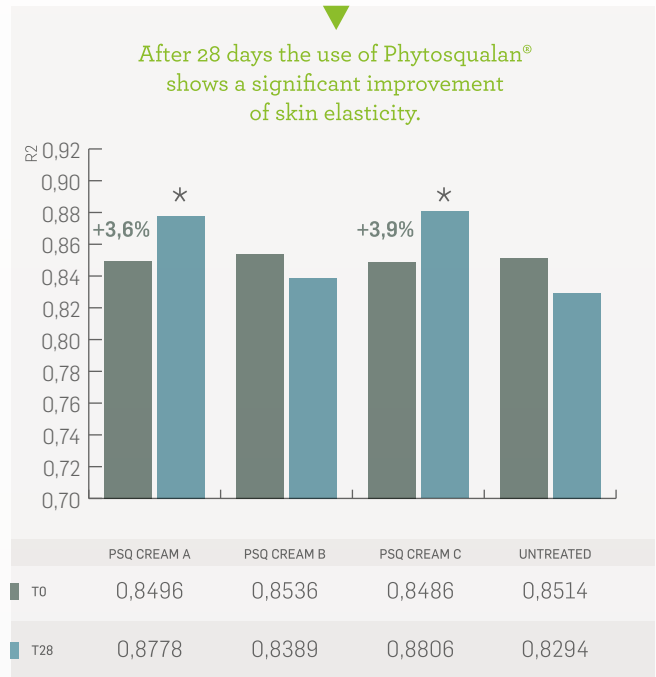
- Restores lipidic skin barrier:
  - prevents TEWL, restores skin suppleness,
  - is highly moisturizing.
- Is a strong carrier due to its high compatibility with skin components:
  - is a great vector for active components,
  - enhances pigments dispersion.
- Allows to develop extra soft textures:
  - smoothness,
  - non-greasy feel,
  - high penetration rate,
  - easy spreadable.

# I PROPERTIES

Regenerating and soothing effect of **Phytosqualan®**, on top of its efficacy in improving moisturizing and skin elasticity have been evaluated (full study available on request).



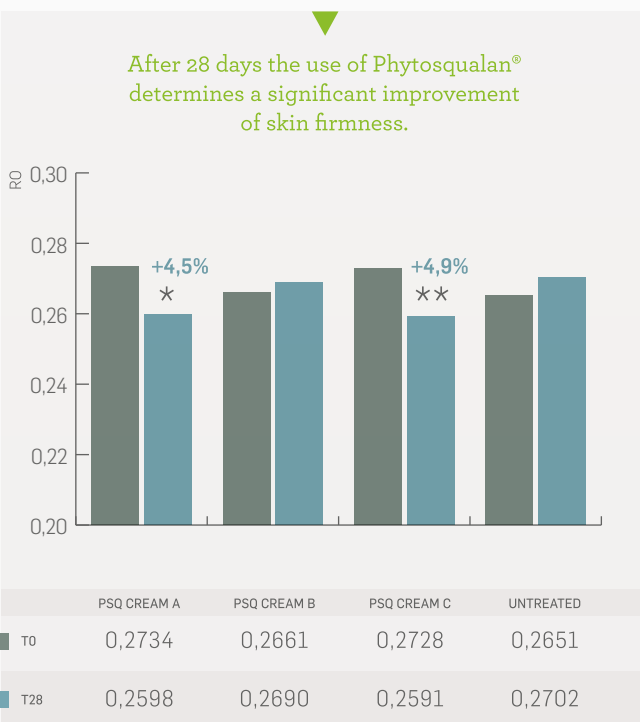
Cream A : 5% Phytosqualan® - Cream B : Placebo  
 Cream C : 10% Phytosqualan®



R2 directly related to Skin elasticity

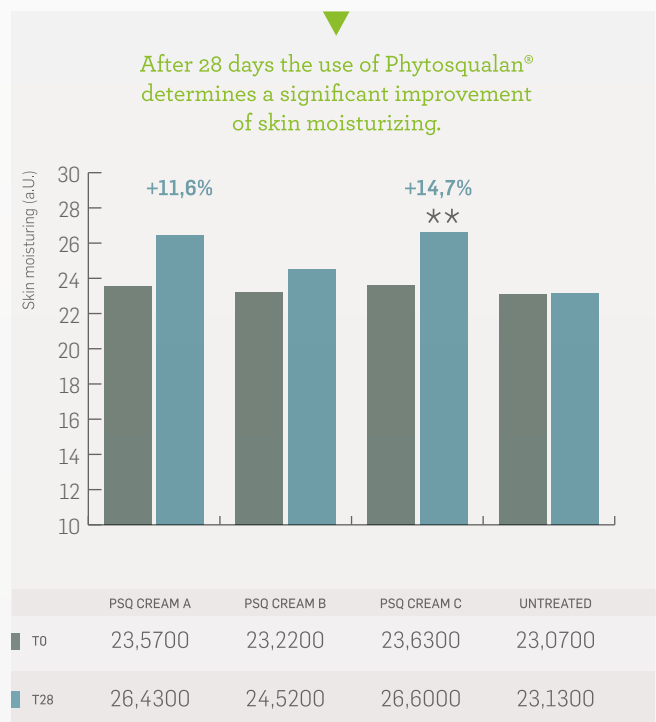
### EXPERIMENTAL TIMES

- T-1** Evaluation before the application of the patches with SLS on volunteers' back
- T0** Evaluation 15 min after patches removal
- T30min** Evaluation 30 min after the product application
- T1H** Evaluation 1 hour after the product application
- T2H** Evaluation 2 hour after the product application



RO value inversely proportional to skin compactness ;  
 reduction of this parameter indicates improvement of skin firmness

Cream A : 5% Phytosqualan® - Cream B : Placebo - Cream C : 10% Phytosqualan®



## I GENERAL INFORMATION

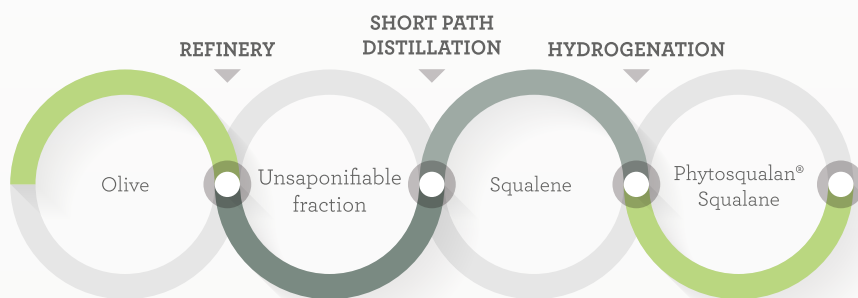
- **Description:** clear liquid colourless, odourless
- **INCI:** squalane
- **CAS number:** 111-01-3
- **Reach registration number:** 01-2120014832-65-0000
- **Origin:** olive
- **Recommended dosage:** 3 to 10%
- **Solubility:** oil soluble
- **Storage conditions:** ambient t° (< 25°C) dry place away from heat and light sources.
- **Packaging:** 10 Kg, 25Kg, 180Kg, IBC
- **Patent:** PCTFR2009 / 051287



- **Certifications:**  
COSMOS approved  
China approved



## I PROCESS



## I APPLICATIONS



### Skin care

Regenerating, soothing, repairing



### Body care

Moisturizing, regenerating



### Sun care

Carrier for actives, nourishing, repairing



### Hair care

Texturizing, repairing



### Make up

Pigments dispersion



## I PHYTOSQUALAN® in "Supreme" after sun oil

PHASE	TRADE NAME	INCI NAME	SUPPLIER	%
A	<b>ORGANIC DEODORIZED SESAME OIL</b>	Sesamum indicum seed oil	<b>SOPHIM</b>	69.30
	<b>BIOPHYTOSEBUM OR</b>	Decyl olive oil esters & squalene	<b>SOPHIM</b>	10.00
	<b>PHYTOSQUALAN</b>	Squalane	<b>SOPHIM</b>	5.00
	<b>ORGANIC VIRGIN BAOBAB OIL</b>	Adansonia digitata seed oil	<b>SOPHIM</b>	5.00
	<b>ORGANIC POMEGRANATE OIL</b>	Punica granatum seed oil	<b>SOPHIM</b>	1.00
	<b>ORGANIC DEODORIZED ARGAN OIL</b>	Argania spinosa kernel oil	<b>SOPHIM</b>	8.00
		Tocopherol helianthus annuus seed oil		0.10
	<b>VIRGIN SEABUCKTHORN OIL</b>	Hippophae rhamnoides (seabuckthorn) fruit oil	<b>SOPHIM</b>	0.40
		Perfume		1.20
<b>TOTAL</b>				<b>100.00</b>

Manufacturing process available on request

