

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 :**

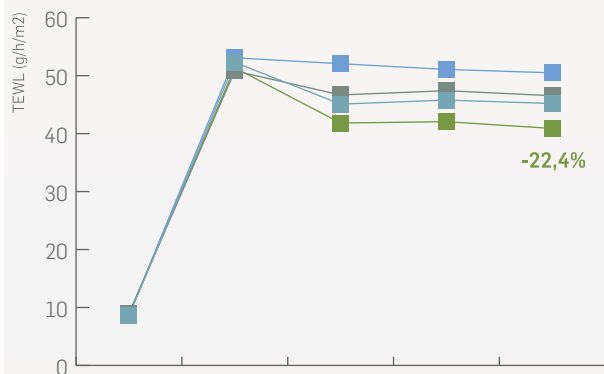
- Restores lipidic skin barrier
 - Prevents TEWL, restores skin suppleness
 - Is highly moisturizing
- Is a strong carrier due to its high compatibility with skin components
 - Is a great vector for active components
- Enhances pigments dispersion
- Allow to develop extra soft textures
 - Smoothness
 - Non-greasy feel
 - High penetration rate; easy spreadable



I PROPERTIES

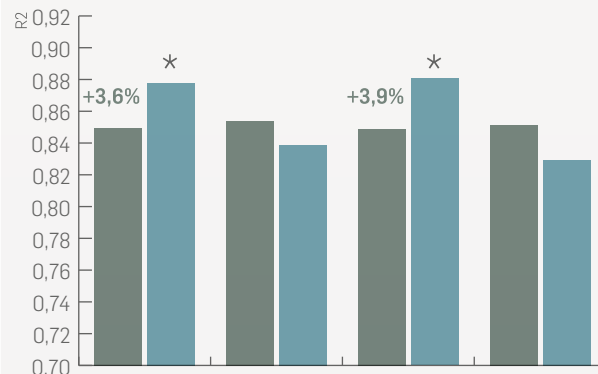
Regenerating and soothing effect of Phytosqualan®, on top of its efficacy in improving moisturizing and skin elasticity have been evaluated. (Full study available on request).

Phytosqualan® promotes a faster restoration of the skin barrier function. Evaluated on a damaged skin (by chemical agent).



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

After 28 days the use of Phytosqualan® shows a significant improvement of skin elasticity.

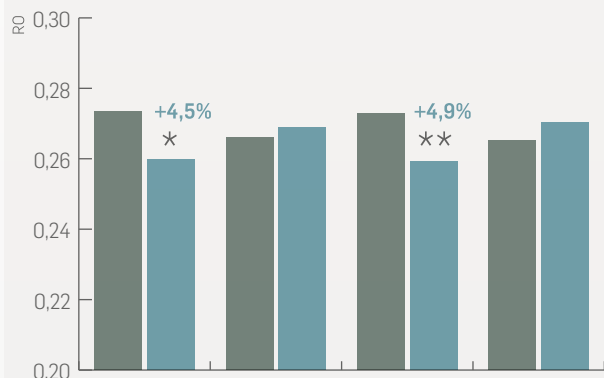


R2 directly related to Skin elasticity

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

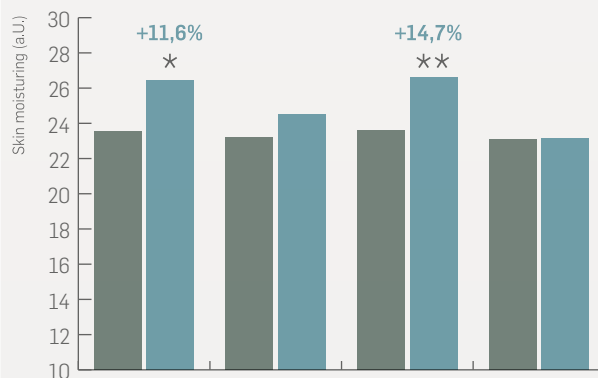
After 28 days the use of Phytosqualan® determines a significant improvement of skin firmness.



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®

After 28 days the use of Phytosqualan® determines a significant improvement of skin moisturizing.



* Means statistically significant

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° ($< 25^{\circ}\text{C}$)
dry place away from heat and light sources.
- Packaging : 10 Kg, 25Kg, 180Kg, IBC
- Patent : PCTFR2009 / 051287

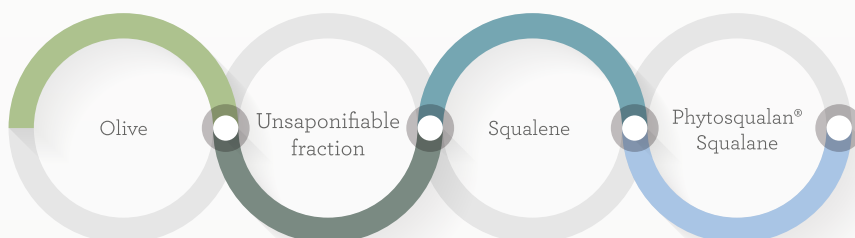


COSMOS
APPROVED

- Certifications :
COSMOS approved
China approved



PROCESS



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	ORGANIC DEODORIZED SESAME OIL	Sesamum Indicum Seed Oil	SOPHIM	69.30
	BIOPHYTOSEBUM OR	Decyl olive oil esters & squalene	SOPHIM	10.00
	PHYTOSQUALAN	Squalane	SOPHIM	5.00
	ORGANIC VIRGIN BAOBAB OIL	Adansonia Digitata Seed Oil	SOPHIM	5.00
	ORGANIC POMEGRANATE OIL	Punica Granatum Seed Oil	SOPHIM	1.00
	ORGANIC DEODORIZED ARGAN OIL	Argania Spinosa Kernel Oil	SOPHIM	8.00
		Tocopherol Helianthus Annuus Seed OIL		0.10
	VIRGIN SEABUCKTHORN OIL	Hippophae Rhamnoides (Seabuckthorn) fruit oil	SOPHIM	0.40
		Fragrance		1.20
TOTAL				100.00

Manufacturing process on demand

