



WILSOL SPF BOOSTER

Transforming Sun Protection Technology by
improving SPF performance



BIODEGRADABLE



PLANT-BASED



VEGAN



HALAL

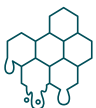


NATURAL ORIGIN
INDEX 1
ISO 16128

INCI NAME

Hydrogenated Soy
Polyglycerides (and)
C15-23 Alkanes

FEATURES



LOW MELTING
118-140°F | 47-60°C



OFF-WHITE TO
BEIGE COLOUR



BUILDS VISCOSITY
In Oil-Based Formula

SYNTHETIC POLYMER REPLACER

Improve sun protection, with natural ingredients.

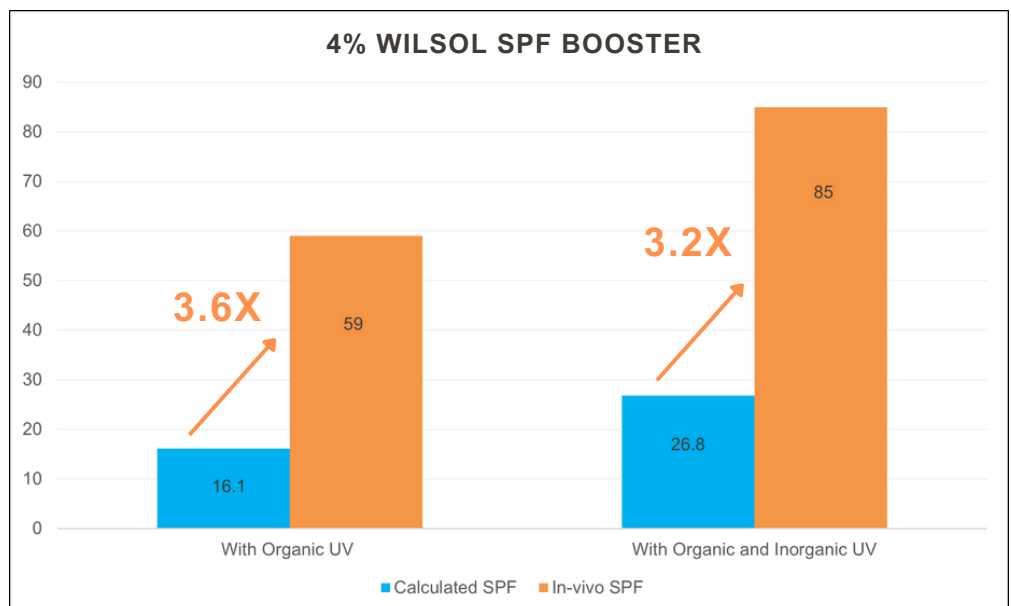
WILSOL SPF Booster is a pioneering bio-based polymer proven to boost SPF strength by improving filter effectiveness by 3x.*

GREEN TECHNOLOGY

Our sustainable polymer is made with metathesis, a Nobel Prize winning technology that creates plant-based multi-functional polymers for personal care applications.

3X SPF BOOST

Thanks to its SPF boost, achieve higher sun protection with lower UV filter content while optimising formulation costs.

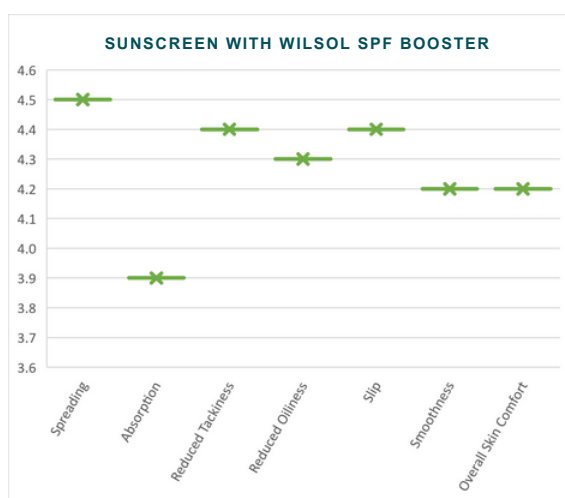


*Over calculated SPF value. In-vivo studies indicate that **WILSOL SPF Booster** can provide an increase up to 3x-4x over calculated SPF value, enabling higher SPF with lower UV filter dosage. Recommended for SPF Boosting: 3-4% (as supplied)

FEEL GOOD ON SKIN

A green polymer that is smooth,
dry, and feather light on skin.

No tacky, waxy, sticky feeling.



BREATHABLE, LIGHT FEELING

Superior performance in spreading, slip and smoothness.

Compared to synthetic polymers, **WLSOL SPF Booster** is less oily and tacky, offering a light, comfortable texture for all day sunscreen protection.

Overall Comfort: 4.2

Spreading: 4.5

Reduced Tackiness: 4.4

Slip: 4.4

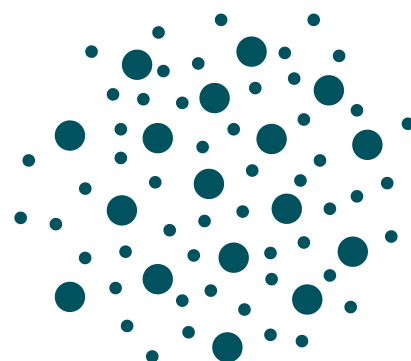
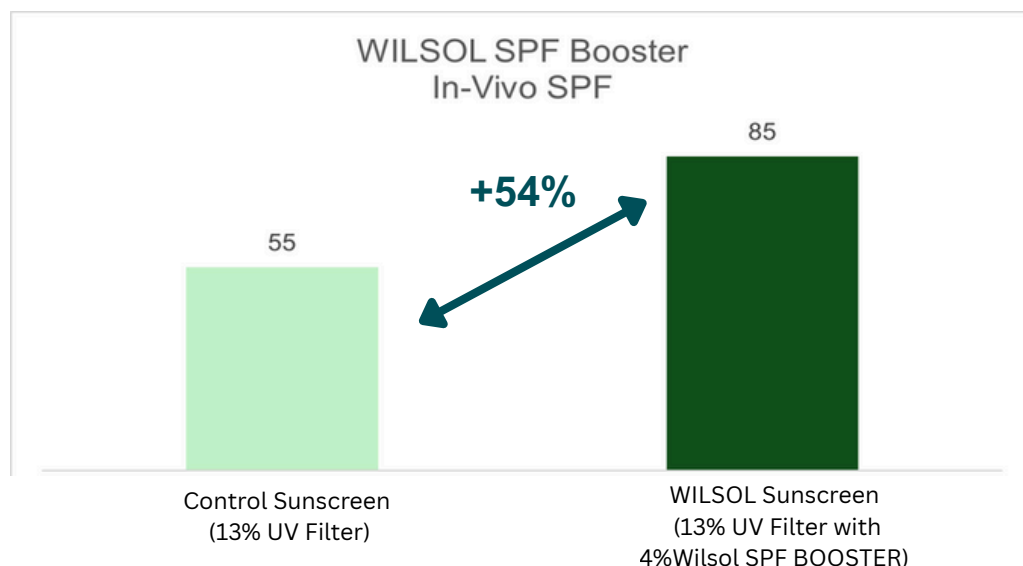
Reduced Oiliness: 4.3

Smoothness: 4.2

Absorption: 3.9

MORE SPF, LESS FILTER

With equal dosage of UV filters, our SPF Booster increases in-vivo SPF by +54%, boosting SPF while saving filter usage.



As a plant-based polymer, it helps create uniform UV dispersal, enhancing SPF effectiveness in O/W systems.

FORMULATION BAR



Sunscreen

WILSOL UV GUARD DAILY LOTION SPF 50+

All day sun protection, with a light weight, smooth texture like invisible skin, thanks to **WILSOL SPF Booster** and **ERCAREL DOE V**.

LIGHTNESS	★ ★ ★ ★ ★
ECO	★ ★ ★ ★
LONGEVITY	★ ★ ★ ★ ★
OPACITY	★ ★ ★ ★

INGREDIENTS

A.	
Deionised Water	qs
WILFARIN USP-997 <i>Glycerine</i>	3.0
B.	
Eusolex® 2292 Ethylhexyl Methoxycinnamate	10.0
Eusolex® OS Ethylhexyl Salicylate	10.0
ERCAREL CAP V <i>Coco Caprylate/Caprate</i>	4.0
ERCAREL DOE V <i>Dicaprylyl Ether</i>	6.0
WILSOL SPF Booster <i>Hydrogenated Soy Polyglycerides (and) C15-23 Alkane</i>	4.0
Eusolex® 9020 Butyl Methoxydibenzoylmethane	4.0
ERCAMULS LF 65 V F/D <i>Glyceryl Stearate (and) PEG-100 Stearate</i>	3.0
WILFAROL 1618 <i>Cetearyl Alcohol</i>	1.5
Titanium Dioxide powder	4.0
C.	
Acrylates/Beheneth-25 Methacrylate Copolymer	1.0
20% Sodium Hydroxide Solution	qs
Phenoxyethanol (and) Decylene Glycol (and) 1,2-Hexanediol	1.4
Fragrance	0.2

Appearance:

White, opaque viscous liquid

pH: 7.0-7.20

Viscosity:

30000-35000 mPa · s (10rpm,RV-7)

BEAUTY RECIPE

1.Beaker A: Add Part A.

2.Beaker B: Add Part B.

Heat both beaker A and B until everything has dissolved.

3.Pour contents of beaker B slowly into A under high-speed stirring once everything has dissolved.
Turn off heat, stir to cool and add part C.

For samples and inquiries, contact:
OleoMarketing@wilmar.com.sg

Foundation

VELVET GLOW SPF 50+

A luxurious SPF 50+ foundation with smooth coverage and velvet feel, thanks to **WILSILK ULTRA** and **WILSOL SPF BOOSTER**.

SMOOTHNESS



COVERAGE



COMFORT



INGREDIENTS

A.	
Deionised Water	q.s.
WILFARIN USP-997 Glycerin	3
Succinoglycan, Rheozan® SH	0.4
B.	
Ethylhexyl Methoxycinnamate, Eusolex® 2292	6
Ethylhexyl Salicylate, Eusolex® OS	4
WILSILK ULTRA C9-12 alkane (and) C15-19 alkane	5
Titanium dioxide (CI 77891)	6
Butyl Methoxydibenzoylmethane, Eusolex® 9020	3
ERCAREL DOE V Dicaprylyl Ether	5
WILSOL SPF Booster Hydrogenated Soy Polyglycerides (and) C15-23 Alkane	2.5
ERCAREL CAP V Coco Caprylate/Caprates	3
ERCAWAX CE V MB Glyceryl Stearate Citrate	2
WILFAROL 1618 Cetearyl Alcohol	1
ERCAGREEN 3S MB Polyglyceryl-3 Stearate	1
ERCASORB TO V Sorbitan Trioleate, Span® 85	1
CI 77492	0.6
CI 77491	0.1
C.	
Phenoxyethanol (and) Decylene Glycol (and) 1,2-Hexanediol, SymOcide® PS	1.4
Acrylates/Beheneth-25 Methacrylate Copolymer	0.3
20% Sodium Hydroxide Solution	q.s.
Fragrance	0.2



Viscosity: 32 500 mPa · s
(10rpm, RV-6)

Stability: 50°C (1 month), 40°C
(3 months)

BEAUTY RECIPE

1. Beaker A: Disperse Succinoglycan into Glycerin until well dispersed. Slowly add water and stir with spatula.
2. Beaker B: Mix all ingredients. Heat both beaker A and B until well dissolved.
3. Homogenise Beaker B for 1 minute. Pour mixture slowly into Beaker A, using homogeniser. Homogenise for 3-4 minutes.
4. Stir mixture using overhead stirrer to cool and add part C.

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*Sustainable Beauty,
From Multi-Plant Origins*