

EU07048

SELF TANNING SPRITZ LOTION



· Sprayable fluid

· Packaging: spray

This formula proves that Simulgel™ INS100 &
 DHA are perfectly compatible

· Simulgel INS100 enables to formulate fluid and/or sprayable formulas



EU07048 - 0803

F	Formula	
Α	SIMULGEL™ INS 100	0,90 %
	Cyclohexasiloxane and Cyclopentasiloxane	3,00 %
	Dimethicone	3,00 %
	C12-15 Alkyl Benzoate	6,00 %
В	Aqua/Water	38,95 %
	Dihydroxyacetone	5,00 %
С	Glycerin	3,00 %
	Parfum/Fragrance	0,20 %
	Phenoxyethanol and Ethylhexylglycerin	1,00 %
D	Aqua/Water	Up to 100 %
	Lactic Acid	Up to pH 4

Procedure

(Pilot – Trimix – 5 Kg)

Weigh and incorporate each ingredient of phase A in the main tank. Before adding the phase B onto the phase A, make sure that the DHA is well-solubilized. Start homogenizing. When the mixture is homogeneous, add phase C ingredients while mixing. Eventually add the rest of the water and adjust the pH to 4 with the Lactic Acid

Characteristics

Appearance
pH after 1 month at RT
Viscosity after 1 month at RT
Viscosity after 1 month at 45°C
Viscosity recovery at RT
(after 1 month at 45 ℃)
Stability

Thin white emulsion 3.95 3,200 mPa.s BROOKFIELD LV2 sp.6 1,510 mPa.s BROOKFIELD LV2 sp.6 1,950 mPa.s BROOKFIELD LV2 sp.6

> M1 at RT and 45°C
> M1 after freeze-thaw cycles -5 / +40°C
Stable after 20' centrifugation
at 3000 rpm at Rt and 45°C

Raw materials from SEPPIC

SIMULGEL[™] INS 100

Hydroxyethyl Acrylate/Sodium Acryloyldimethyl Taurate Copolymer and Isohexadecane and Polysorbate 60

This compound is in the form of liquid, and is ready-for-use. It is a thickening agent which stabilizes all types of oily phases. It can be used in a wide range of pH (3 to 11), and for the development of all types of consistencies: sprays, ultra-fluid to thick ones. It gives to the formulas a fresh and melting texture.

Other raw materials...

Cyclohexasiloxane and Cyclopentasiloxane : Dow Corning 246
Fluid (DOW CORNING)

- Dimethicone : Dow corning 200/350 (Dow Corning)
- Dihydroxyacetone : DHA (MERCK)
- Parfum : Silkun Fruits RS11509 (TECHNICO FLOR)
- Lactic Acid : solution aqueuse à 12%

Phenoxyethanol and Ethylhexylglycerin : EUXYL PE9010 (Schulke & Mayr)

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