AS40043

Anti-acne Gel

Gel

- **Translucent smooth gel**
- **Packaging: HPET bottle**

- **Association of Solagum ™ AX and SEPIMAX™ ZEN permits the stability and viscosity of the formula, and contributes to the skin feeling.**
- **Solagum ™ AX and SEPIMAX™ ZEN works in the extreme pH.**

AS40043-1411

Formula

A	Aqua/Water	Up to 100%
	Tetrasodique EDTA	0.05%
	Ethoxydiglycol	2.60%
	SEPIMAX™ ZEN	**2.20%**
	Solagum™ AX	**0.20%**
B	Salicylic Acid	2.00%
	Aqua/Water	3.00%
	Sodium Hydroxide(25%)	2.80%
C	Glycolic acid (70%)	15.00%
	Sodium Hydroxide(25%)	11.50%
D	Ethanol	2.00%
	Phenoxyethanol and Ethylhexylglycerin	1.00%
	Parfum/Fragrance	0.05%

Procedure

Lab (Silverson-300g)

1. dispersed phase A well.
2. prepare phase B and phase C pH to around 4.
3. add phase B&C into phase A, mix till uniform with deflocculator.
4 Add phase D, adjusted pH to 3.8 if necessary.

Characteristics

Appearance	Translucent smooth gel
pH	3.8
Viscosity M1 at RT	13,200 mPa.s Brookfield S3 sp.6
Viscosity 1M at 45° C	11,900 mPa.s Brookfield S3 sp.6
Viscosity recovery at RT (after 1M at 45° C)	13,000 mPa.s Brookfield S3 sp.6
Stability	Stable M3 at RT, 45° C, -18° C, cycles - 5/40° C

Raw materials from SEPPIC

SEPIMAX™ ZEN
Polyacrylate Crosspolymer-6
Powder polymer with a MAXIMUM resistance to electrolytes thanks to its high associative behaviour. Stable from pH 2 to 8, it enables the creation of formulas with a specific skin feeling: rich, velvety and elegant. It is now possible to formulate transparent aqueous gels, cream-gels and emulsions with any kind of active ingredients and to achieve ZEN !

SOLAGUM™ AX
Acacia Senegal Gum and Xanthan Gum
Combination of natural thickening polymers. It allows you to formulate non-stringy translucent gels and can be used with hot or cold process. Ecocert and Natrue approved.

Other raw materials…

- Ethoxydiglycol:Transcutol CG (Gattefosse)
- Salicylic Acid (Merck)
- Glycolic acid :Glypure L 70 (Dupont)
- Phenoxyethanol and Ethylhexylglycerin:Euxyl PE 9010 (Schülke & Mayr)
- Fragrance (Drom)