



Sebum controlling agent

TIOLISINA[®] COMPLEX 30 PF

Tiolisina[®] Complex 30 PF is an aqueous combination of sulfureted amino acid derivatives salified with lysine.

Thanks to its typical sulfur bonds, it is recommended in the formulation of **anti-dandruff** and **sebum-normalizing** products, addressing both the hair, the scalp and skin.

It also **decreases inflammation and itch sensation** and has an **anti-blemish** efficacy, reducing papules and pustules associated with the acne condition.

- **Anti dandruff**
- **Sebum normalizer**
- **Anti blemish**
- **Reduces inflammation**



Sinerga
SKIN EVOLUTION

TIOLISINA® COMPLEX 30 PF

INCI NAME

Lysine Carboxymethyl Cysteinate, Lysine Thiazolidine Carboxylate

SPECIFICATIONS

Appearance: clear liquid
Color: from colorless to amber
Odor: characteristic
pH: 6.50-7.50
Suggested dosage: 3 – 5%

EFFICACY TESTS

HAIR CARE (IN VITRO)*

-26.68% inhibition of Lipase activity after 30'
-69.23% reduction of Malassezia furfur after 24h

HAIR CARE (IN VIVO)*

-9.2% sebometry on the scalp after 3 weeks
-3.3% desquamation on the scalp after 3 weeks

SKINCARE (IN VIVO)*

(clinical assessment compared to placebo, after 1 month)

-32% papules
-38% pustules
-53% inflammation
-40% erythema
-43% desquamation
-34% itch

*5% Tiolisina® Complex 30 PF

FEATURES

- Sebum normalizer
- Purifying agent
- Soothing activity
- Skin balance
- For oily skin and greasy hair

RELIEF SCALP SHAMPOO

LSIN7434

INGREDIENTS	PHASE	%
Aqua	A 50°C	58.05
EDTA		0.10
Sodium Benzoate		0.50
Potassium Sorbate	A' 35°C	0.25
Aqua, Magnesium Laureth Sulfate, Disodium Laureth Sulfosuccinate	B 30°C	15.00
Aqua, Cocamidopropyl Betaine		5.00
Undeoot (Undecylenoyl Oat Amino Acids)		5.00
Lauroat (Sodium Lauroyl Oat Amino Acids)		5.00
Vegequat (Cocodimonium Hydroxypropyl Hydrolyzed Wheat Protein)		1.50
Perfume		0.20
PEG-120 Methyl Glucose Dioleate		1.00
Coco-Glucoside		3.00
TIOLISINA® COMPLEX 30 (Lysine Carboxymethyl Cysteinate, Lysine Thiazolidine Carboxylate)	C	3.00
Citric Acid	D	0.80
Coco-Glucoside (and) Glycol Distearate (and) Glycerin	E	1.60

CHARACTERISTICS

Aspect: Opalescent
Color: Pearlescent light yellow
Odor: Characteristic
pH: 5.3 – 5.7
Brookfield Viscosity
SP 4 - RPM 10: 9'500 - 12'500 mPa*s

METHOD

Weight phase B and mix its components under stirring. Premix phases A and A', add them together until it forms an homogeneous system, then add phase B under stirring. Add phase C. Adjust pH with D, then add E.

MAIN APPLICATIONS

Purifying shampoo and lotions, daily cleansing products, medical devices (e.g. Seborrheic dermatitis, acne treatments).