

SEBUM-REGULATING NANOVECTOR

CODE: LIPCUAT-14

Date of last amendment: 20.12.2021

INCI name: WATER (AQUA) (AND) PHOSPHOLIPIDS (AND) POLYQUATERNIUM 16 (AND) ROSMARINUS OFFICINALIS EXTRACT (AND) MENTHA PIPERITA OIL (AND) PANTHENOL (AND) NIACINAMIDE (AND) PHENOXYETHANOL (AND) CAFFEINE (AND) BIOTIN (AND) TOCOPHERYL ACETATE.

DESCRIPTION: Nanodispersion of phospholipids from soybean lecithin associated to a quaternary polymer that confers positive net charge and high substantivity, which encapsulate and transport Peppermint Essential Oil, Rosemary extract, Panthenol, Niacinamide, Caffeine, Biotin and Vitamin E.

PROPERTIES: Moisturizes, conditions and helps normalize sebaceous secretions. Presents antioxidant activity. Peppermint essential oil is bactericide and cooling. Niacinamide helps to regulate sebaceous secretion and reduces inflammation. Caffeine activates lipid hydrolysis, which promotes sebum elimination. Biotin is a cofactor that assists many enzymes important to carboxylation and epidermal differentiation. It has been proved that it enhances hair density and activates hair growth. Biotin deficit is associated to different types of alopecia and seborrheic dermatitis. Rosemary extract is venotonic, sanitizer and antipruritic. It also has antioxidant and smoothing activity. Ideal for formulating anti-dandruff shampoos with ZPT or PTO and oily hair shampoo.

COMPOSITION (INCI NAME)	% (weight)	CAS #
Water (Aqua)	65.150	7732-18-5
Phospholipids	15.000	123465-35-0
Polyquaternium-16	10.000	95144-24-4
Rosmarinus Officinalis Extract	5.000	84604-14-8
Mentha Piperita Oil	1.000	8006-90-4 / 84082-70-2
Panthenol	1.000	81-13-0 / 16485-10-2
Niacinamide	1.000	98-92-0
Caffeine	0.500	58-08-2
Biotin	0.500	58-85-5
Tocopheryl Acetate	0.100	7695-91-2 / 58-95-7
Preservatives: Phenoxyethanol	0.750	122-99-6

Particle size: 110 - 300 nm. (DLS)

Manufacturing method: Microfluidization

Net charge of the liposome: Positive

Color: Dark Brown, may be greenish

Appearance: Semi-translucent to opalescent liquid. Absence of foreign matter

Odor: Characteristic Menthol

pH: 5.50 – 7.00 (USP XXVII) (25° C)

Density: 0.980 – 1.050 (USP XXVII) (pycnometer)

Dry residue: 20 gr.% min. (0.5 gr. 1 hour 110° C)

Microbiological control: Mesophilic bacteria: less than 200 CFU/gr. Moulds & yeast: less than 20 CFU/gr. No pathogens.

Keep in fresh place (5 - 25°C / 40 - 77°F). Do not freeze. Protect from light. As phases may separate, shake before use.

EXTERNAL COSMETIC USE