

ANTIBACTERIAL, ANTIFUNGAL AND ANTIOXIDANT NANOVECTOR WITH TEA TREE OIL, PANTHENOL AND VITAMIN E

CODE: LIPCUAT-42

Date of last amendment: 20.03.2023

INCI name: WATER (AQUA) (AND) PHOSPHOLIPIDS (AND) POLYQUATERNIUM-16 (AND) MELALEUCA ALTERNIFOLIA LEAF OIL (AND) PANTHENOL (AND) PHENOXYETHANOL (AND) TOCOPHERYL ACETATE.

DESCRIPTION: Nanodispersion of soy lecithin phospholipids with a net positive charge of high substantivity with hair and skin that encapsulates Tea Tree Oil with antibacterial, antifungal, refreshing and anti-irritant action, Panthenol (moisturizer, protector of the skin barrier function) and Vitamin E acetate as an antioxidant.

PROPERTIES:

NAME OF INGREDIENT - INCI ADOPTED NAME	% (weight)	CAS #
Water (Aqua)	73,000	7732-18-5
Phospholipids	10,000	123465-35-0
Polyquaternium-16	10,000	95144-24-4
Melaleuca Alternifolia Leaf Oil	5,000	8022-72-8
Panthenol	1,000	81-13-0 / 16485-10-2
Tocopheryl Acetate	0,200	7695-91-2 / 58-95-7
Conservants: Phenoxyethanol	0,800	122-99-6

Particle size:	100 – 300 nm. (DLS)
Manufacturing method:	Microfluidization
Net charge of the liposome:	Positive
Color:	Light brown
Appearance:	Semi-translucent to opalescent fluid
Odor:	Tea tree oil characteristic
pH:	5.00 – 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