

QUATERNIZED NANOVECTOR FOR HAIR CARE ANTI-IRRITANT, MOISTURIZER AND CONDITIONER

CODE: LIPCUAT-4

Date of last amendment:: 21.01.2015

INCI NAME: WATER (AQUA) (AND) PHOSPHOLIPIDS (FROM SOYBEAN LECITHIN) (AND) POLYQUATERNIUM 16 (AND) PANTHENOL (AND) NIACINAMIDE (AND) DIMETHICONE (AND) BISABOLOL (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 Niacinamide, Panthenol, Silicone, alpha Bisabolol and Vitamin E Acetate.

PROPERTIES: Helps decrease and prevent irritation produced by surfactants used to make shampoos and conditioners, due to the presence of alpha-Bisabolol and Niacinamide. Conditions, lubricates and smoothens hair fiber. Vitamin E provides anti-oxidant and protective qualities. D-Panthenol replenishes and nourished hair scalp, thus thickening hair fiber, making hair resistant to breakage and hair loss. These active ingredients adhere strongly to hair fiber, as they are carried by positive-charged nanovectors.

NAME OF INGREDIENT - INCI ADOPTED NAME	% (weight)	CAS #
Water (Aqua)	72.650	7732-18-5
Phospholipids (from Soybean lecithin)	11.500	123465-35-0
Polyquaternium 16	10.000	95144-24-4
Panthenol	2.000	81-13-0 / 16485-10-2
Niacinamide	1.000	98-92-0
Dimethicone	1.000	63148-62-9 / 9006-65-9 / 9016-00-6
Bisabolol	1.000	515-69-5 / 23089-26-1
Tocopheryl acetate	0.100	7695-91-2 / 58-95-7
Preservatives: Phenoxyethanol	0.750	122-99-6

Particle size:	110 – 300 nm. (LLS)
Manufacturing method:	Microfluidization
Net charge of the liposome:	Positive
Color:	Light yellow to brown
Appearance:	Semi-translucent to opalescent liquid. Absence of foreign matter
Odor:	Mild, characteristic
pH:	5.00 – 7.00 (USP XXVII) (25° C)
Density:	0,980 - 1,050 (USP XXVII) (pycnometer) (20°C)
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 refrigerated (5-15°C / 40-60°F). Do not freeze. Protect from light. Shake before use.

EXTERNAL COSMETIC USE