

QUATERNIZED NANOVECTOR FOR HAIR CARE ANTIOXIDANT, ANTIPOLLUTION AND PROTECTOR

CODE: LIPCUAT-6

Date of last amendment: 21.01.2015

INCI NAME: WATER (AQUA) (AND) PHOSPHOLIPIDS (FROM SOYBEAN LECITHIN) (AND) POLYQUATERNIUM 16 (AND) ETHYLHEXYL METHOXYCINNAMATE (AND) SODIUM ASCORBYL PHOSPHATE (AND) TOCOPHERYL ACETATE (AND) UBIQUINONE.

DESCRIPTION: Nanodispersion of phospholipids from soybean lecithin associated to a quaternary polymer that confers positive net charge and high substantivity, encapsulating Ubiquinone, Solar Filter, Vitamin C and Vitamin E with high substantivity with hair fiber.

PROPERTIES: Protects against the action of sunlight due to the Solar Filter, and fights free radicals because of Ubiquinone and Vitamin E, preventing hair from deterioration (Free radicals generated by UVB rays or pollution agents attack and break disulfur bridges, which is why hair bleaches, turns brittle and loses elasticity and brightness). Helps prevent oxidation due to chlorine tap water effect on proteins and lipids that lubricate hair. Improves elasticity and resistance to traction. Conditions and smoothens.

NAME OF INGREDIENT - INCI ADOPTED NAME	% (weight)	CAS #
Water (Aqua)	77.550	7732-18-5
Phospholipids (from soybean lecithin)	10.000	123465-35-0
Polyquaternium 16	10.000	95144-24-4
Ethylhexyl methoxycinnamate	1.000	5466-77-3
Sodium ascorbyl phosphate	0.500	66170-10-3
Ubiquinone	0.100	303-98-0 / 1339-63-5 / 60684-33-5
Tocopheryl acetate	0.100	7695-91-2 / 58-95-7
Preservatives: Phenoxyethanol	0.750	122-99-6

Particle size:	100 - 300 nm. (LLS)
Manufacturing method:	Microfluidization
Net charge of the liposome:	Positive
Color:	Light orange to brownish
Appearance:	Semi-translucent to opalescent liquid. Absence of foreign matter
Odor:	Mild, characteristic
pH:	5.00 – 7.00 (USP XXVII): (25° C).
Density:	1.000 – 1.060 (USP XXVII) (pycnometer)
Dry residue:	15 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.
Product lifetime:	3 years

Keep refrigerated (5-15°C / 40-60°F). Do not freeze. Protect from light. Shake before use.

EXTERNAL COSMETIC USE