

SUN PROTECTIVE NANOVECTOR

CODE: LIPCUAT-8

Date of last amendment: 20.12.2021

INCI NAME: WATER (AQUA) (AND) PHOSPHOLIPIDS (AND) POLYQUATERNIUM-16 (AND (AND) ETHYLHEXYL METHOXYCINNAMATE (AND) PHENOXYETHANOL (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 Solar Filter and Vitamin E.

PROPERTIES: Protects against the action of sunlight due to the Solar Filter, and fights free radicals because of Vitamin E. Ideal for formulating shampoos, conditioners, hair masks and hair end protectors that prevent the effects of sunlight.

COMPOSITION (INCI NAME)		% (weight)	CAS #
Water (Aqua)		66.650	7732-18-5
Phospholipids		15.000	123465-35-0
Polyquaternium-16		10.000	95144-24-4
Ethylhexyl Methoxycinnamate		7.500	5466-77-3
Tocopheryl Acetate		0.100	7695-91-2
Preservatives: Phenoxyethanol		0.750	122-99-6
Particle size:	110 – 300 nm. (DLS)		
Manufacturing method:	Microfluidization		
Net charge of the liposome:	Positive		
Color:	White to light yellow		
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)		
Dry residue:	30 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