

## ABYSSINIAN OIL NANOVECTOR

CODE: LIPCUAT-26

Date of last amendment: 20.12.2021

**INCI name:** WATER (AND) PHOSPHOLIPIDS (AND) POLYQUATERNIUM-16 (AND) CRAMBE ABYSSINICA SEED OIL (AND) PHENOXYETHANOL (AND) TOCOPHERYL ACETATE.

**DESCRIPTION:** Nanodispersion of phospholipids from non-GMO soybean lecithin associated to a quaternary polymer that confers positive net charge and high substantivity, which encapsulate and transport Crambe Abyssinica Oil and Vitamin E.

**PROPERTIES:** Provides extreme softness and luster. Conditions, protects and improves resistance and elasticity. Makes combing easy and helps prevent hair loss due to cut. Contributes with lipids that lubricate capillary fiber. Vitamin E has antioxidant properties. Builds up a *FILLER* effect on the hair fiber, reducing porosity. In dyed hair, helps prevent color loss with subsequent washes.

NAME OF INGREDIENT - INCI ADOPTED NAME	% (weight)	CAS #
Water (Aqua)	74.200	7732-18-5
Phospholipids	10.000	123465-35-0
Polyquaternium-16	10.000	95144-24-4
Crambe Abyssinica Seed Oil	5.000	-----
Tocopheryl Acetate	0.050	7695-91-2
<b>Preservatives:</b> Phenoxyethanol	0.750	122-99-6

Particle size:	100 – 300 nm. (DLS)
Manufacturing method:	Microfluidization
Net charge of the liposome:	Positive
Color:	White to 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:	22 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**