

## RELIPIDIZING, SMOOTHING AND MOISTURIZING NANOVECTOR WITH JOJOBA OIL

**CODE:** LIPCUAT-10

Date of last amendment: 20.12.2021

**INCI name:** WATER (AND) PHOSPHOLIPIDS (AND) POLYQUATERNIUM-16 (AND) SIMMONDSIA CHINENSIS 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 Jojoba Oil and Vitamin E.

**PROPERTIES:** Conditions and protects the hair fiber, and improves resistance and elasticity. Eases combing while decreasing hair loss due to breakage. Lubricates and provides shine and softness to hair. Helps reduce irritability in formulations that contain surfactants. Contributes with lipids that lubricate hair fiber. Vitamin E has antioxidant effect.

COMPOSITION (INCI NAME)	% (weight)	CAS #
Water (Aqua)	74.200	7732-18-5
Phospholipids	10.000	123465-35-0
Polyquaternium-16	10.000	95144-24-4
Simmondsia Chinensil Seed Oil	5.000	90045-98-0
Tocopheryl Acetate	0.050	7695-91-2 / 58-95-7
<b>Preservatives:</b> Phenoxyethanol	0.750	122-99-6

<b>Particle size:</b>	100 – 300 nm (DLS)
<b>Manufacturing method:</b>	Microfluidization
<b>Net charge of the liposome:</b>	Positive
<b>Color:</b>	Light yellow to yellow
<b>Appearance:</b>	Semi-translucent to opalescent liquid. Absence of foreign matter
<b>Odor:</b>	Mild, characteristic
<b>pH:</b>	5.00 – 7.00 (USP XXVII) (25° C)
<b>Density:</b>	0.980 – 1.050 (USP XXVII) (pycnometer)
<b>Dry residue:</b>	20 gr.% min. (0.5 gr. 1 hour 110° C)
<b>Microbiological control:</b>	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**