

## QUATERNIZED NANOVECTOR FOR HAIR CARE MOISTURIZER AND CONDITIONER

**CODE:** LIPCUAT-1

Date of last amendment: 21.01.2015

**INCI name:** WATER (AQUA) (AND) PHOSPHOLIPIDS (from soybean lecithin) (AND) POLYQUATERNIUM-16 (AND) TOCOPHERYL ACETATE.

**DESCRIPTION:** Nanodispersion of phospholipids from soybean lecithin with positive net charge with high substantivity to the hair fiber

**PROPERTIES:** Lubricates and moisturizes the hair fiber, making it more elastic and resistant. Conditions and softens. Phospholipids provide with Vitamin F and Vitamin E.

COMPOSITION (INCI NAME)	% (weight)	CAS #
Water (Aqua)	79.200	7732-18-5
Phospholipids (from soybean lecithin)	10.000	123465-35-0
Polyquaternium-16	10.000	95144-24-4
Tocopheryl Acetate	0.050	7695-91-2 / 58-95-7
<b>Preservatives:</b> Phenoxyethanol	0.750	122-99-6

**Particle size:** 110 - 300 nm. (LLS)

**Manufacturing method:** Microfluidization

**Net charge of the liposome:** Positive

**Color:** Pale 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:** 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**