

## ANTI-POROSITY AND HAIR THICKENER NANOVECTOR

**CODE:** LIPCUAT-38

Date of last amendment: 16.03.2021

**INCI name:** WATER (AND) PHOSPHOLIPIDS (AND) POLYQUATERNIUM-16 (AND) MALTODEXTRIN (AND) COCOS NUCIFERA OIL (AND) OLEA EUROPAEA FRUIT OIL (AND) RICINUS COMMUNIS SEED OIL (AND) NIGELLA SATIVA SEED OIL (AND) PHENOXYETHANOL (AND) MANGIFERA INDICA SEED BUTTER (AND) CAPRYLYL GLYCOL (AND) TOCOPHERYL ACETATE.

**DESCRIPTION:** Nanodispersion of non-GMO vegetable phospholipids with positive net charge which encapsulate and transport Maltodextrin, Coconut Oil, Olive Oil, Castor Oil, Black Seed Oil, Mango Butter and Vitamin E.

**PROPERTIES:** Highly substantive with the hair fiber, LIPCUAT-38 penetrates and adheres to the hair fiber reducing porosity and achieving a repairing effect. Moisturizes, conditions, gives shine, softness and makes styling easier.  
Improves volume and thickness.  
Improves tensile strength and elasticity, helping to reduce shear loss.  
Provides natural oils that lubricate the hair. It has antioxidant action thanks to Vitamin E.

COMPOSITION (INCI NAME)	% (weight)	CAS #
Water (Aqua)	64.400	7732-18-5
Phospholipids	10.000	123465-35-0
Polyquaternium-16	10.000	95144-24-4
Maltodextrin	10.000	9050-36-6
Cocos Nucifera Oil	1.000	8001-31-8
Olea Europaea Fruit Oil	1.000	8001-25-0
Ricinus Communis Seed Oil	1.000	8001-79-4
Nigella Sativa Seed Oil	1.000	90064-32-7
Mangifera Indica Seed Butter	0.500	90063-86-8
Tocopheryl Acetate	0.100	7695-91-2
<b>Preservatives:</b>		
Phenoxyethanol	0.800	122-99-6
Caprylyl Glycol	0.200	1117-86-8

<b>Particle size:</b>	100 – 600 nm (DLS)
<b>Manufacturing method:</b>	Microfluidization
<b>Particle net charge:</b>	Positive
<b>Color:</b>	Amber to Yellow
<b>Appearance:</b>	Semi-translucent to opalescent liquid. Absence of foreign matter
<b>Odor:</b>	Mild
<b>pH:</b>	5.00 – 7.00 (USP XXVII) (25° C)
<b>Density:</b>	1.000 – 1.090 (20° C) (USP XXVII) (pycnometer)
<b>Dry residue:</b>	30 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.

**Kept in fresh place (5 - 25°C / 40 - 77°F), shelf life is 2 years.**  
**Do not freeze. Protect from light. Shake before use.**

**EXTERNAL COSMETIC USE**