NanoVec™

SPECIFICATIONS - TDS

CAFFEINE LIPOSOMES

CODE: LIP-32 Date of last amendment: 15.12.2021

INCI name: WATER (AQUA) (AND) PHOSPHOLIPIDS (AND) CAFFEINE (AND) PHENOXYETHANOL (AND) CAPRYLYL GLYCOL (AND) TOCOPHERYL ACETATE.

DESCRIPTION: LIP-32 is composed of purified non-GMO soy phospholipids. These natural delivery systems encapsulate and transport Caffeine to the target cells. Caffeine is a widely established lipolytic chemical which enhances blood circulation (caffeine enhances the lipolytic process and boosts circulation via phosphodiesterase and adenosine inhibition on fat cells and blood vessels). It also has potent antioxidant properties. Moreover, caffeine contained in cosmetics stimulates the growth of hair through inhibition of the 5-α-reductase activity.

COMPOSITION (INCI NAME)	CAS #	% (weight)
Water (Aqua)	7732-18-5	92.975
Phospholipids	123465-35-0	5.000
Caffeine	58-08-2	1.000
Tocopheryl Acetate	7695-91-2 / 58-95-7	0.025
Preservatives:		
Phenoxyethanol	122-99-6	0.800
Caprylyl Glycol	1117-86-8	0.200

Particle size:	100 – 500 nm.
Manufacturing method:	Microfluidization
Net charge of the liposome:	Negative
Type of liposome:	Oligo-unilamellar
Color:	Light yellow
Appearance:	Semi-translucent to opalescent liquid.
Odor:	Mild, pleasant
pH:	6.00 – 7.50 (25ºC) (USP XXVII)
Density:	0.990 – 1.030 (pycnometer) (20ºC) (USP XXVII)
Dry residue:	4.00 gr. % minimum (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). Do not freeze. Protect from light. Shake before use.

EXTERNAL COSMETIC USE