

PANTHENOL LIPOSOMES

CODE: LIP-5

Date of last amendment: 09/12/2021

INCI name: WATER (AQUA) (AND) D-PANTHENOL (AND) PHOSPHOLIPIDS (AND) PHENOXYETHANOL (AND) CAPRYLYL GLYCOL (AND) TOCOPHERYL ACETATE.

DESCRIPTION: LIP-5 is composed of purified non-GMO soy phospholipids. These natural delivery systems encapsulate and transport Panthenol and Vitamin E to the target cells. Panthenol, also known as Vitamin B5, is used as a humectant in skin and hair products. Panthenol's molecular structure allows it to attract moisture from the atmosphere and bind to water molecules. Therefore, it helps moisturize hair and skin and stops both from getting dehydrated. In addition, panthenol enhances light reflection and makes tresses look shinier and glossier.

COMPOSITION (INCI NAME)	% (weight)	CAS #
Water (Aqua)	88.875	7732-18-5
D-Panthenol	5.000	81-13-0 / 16485-10-2
Phospholipids	5.000	123465-35-0
Tocopheryl acetate	0.025	7695-91-2 / 58-95-7
Preservatives:		
Phenoxyethanol	0.900	122-9-6
Caprylyl Glycol	0.200	1117-86-8

Particle size:	100 – 300 nm. (DLS)
Manufacturing method:	Microfluidization
Net charge of the liposome:	Negative
Type of liposome:	Oligo-unilamellar
Color:	Light yellow
Appearance:	Semi-translucent to opalescent liquid. Absence of foreign matter
Odor:	Mild, pleasant
pH:	6.00 – 7.50 (25°C) (USP XXVII)
Density:	0.980 – 1.050 (pycnometer) (20°C) (USP XXVII)
Dry Residue:	6.5 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. Shake before use.

EXTERNAL COSMETIC USE