NanoVec™

SPECIFICATIONS - TDS

MUCOPOLYSACCHARIDES & HYALURONIC ACID LIPOSOMES

CODE: LIP-4

Date of last amendment: 09/12/2021

INCI name: WATER (AQUA) (AND) PHOSPHOLIPIDS (AND) GLYCOSAMINOGLYCANS (AND) HYALURONIC ACID (AND) PHENOXYETHANOL (AND) CAPRYLYL GLYCOL (AND) TOCOPHERYL ACETATE

DESCRIPTION: LIP-4 is composed of purified non-GMO soy phospholipids. These natural delivery systems encapsulate and transport Mucopolysaccharides and Hyaluronic Acid to the target cells. Mucopolysaccharides, a large class of ingredients known as glycosaminoglycans, are polysaccharides that are an important component of the connective tissue. They are excellent moisturizing ingredients because of their water-binding capacity. Mucopolysaccharides include Hyaluronic Acid, naturally found in extra-cellular matrix. It has the unique ability to hold in moisture (helps retain over 1,000 times its weight in water).

COMPOSITION (INCI NAME)	CAS #	% (weight)
Water (Aqua)	7732-18-5	91.875
Phospholipids	123465-35-0	5.000
Total Mucopolysaccharides (GAGs + Hyaluronic acid)	94945-04-7 / 9004-61-9	2.000
Tocopheryl acetate	7695-91-2 / 58-95-7	0.025
Preservatives:		
Phenoxyethanol	122-99-6	0.900
Caprylyl Glycol	1117-86-8	0.200

Composition and properties of the Mucopolysaccharides extract:	**Origin:** bovine cartilage. **Mucopolysaccharides expressed as:** - Sulfonic condroitin acid 20% - Hyaluronic acid 1%
Particle size:	100 – 400 nm (LLS)
Manufacturing method:	Microfluidization
Net charge of the liposome:	Neutral to Negative
Type of liposome:	Oligo-unilamellar
Color:	Yellowish white
Appearance:	Slightly opalescent to opalescent liquid
Odor:	Mild
pH:	6.00 – 7.50 (25ºC) (USP XXVII)
Density:	0.980 – 1.050 (pycnometer) (20ºC) (USP XXVII)
Dry residue:	8.0 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