

RETINOL LIPOSOMES

CODE: LIP-57

Date of last amendment: 06.03.2015

INCI name: WATER (AQUA) (AND) PHOSPHOLIPIDS (FROM SOYBEAN LECITHIN) (AND) RETINOL (AND) TOCOPHEROL.

DESCRIPTION: Liposomes from soybean lecithin encapsulating Vitamin A alcohol and Vitamin E acetate.

COMPOSITION (INCI NAME)	% (weight)
Water (Aqua) (CAS # 7732-18-5)	83,170
Phospholipids (from Soybean lecithin) (CAS # 123465-35-0)	14,280
Retinol (CAS # 68-26-8 / 11103-57-4)	1,000
Tocopheryl acetate (CAS # 7695-91-2 / 58-95-7)	0,050
Preservatives:	
- Phenoxyethanol (CAS # 122-99-6)	0,750
- DMDM Hydantoin (CAS # 6440-58-0)	0,750
Particle size:	110-500 nm.
Manufacturing method:	Microfluidization.
Net charge of the liposome:	Negative.
Type of liposome:	Oligo-unilamellar.
Color:	Yellow to orange.
Appearance:	Semi translucent to opalescent liquid
Odor:	Mild
pH:	5,00 - 7,00 (25°C) (USP XXVII)
Density:	0,980 - 1,050 (pycnometer) (20°C) (USP XXVII)
Dry residue:	30,0 gr % minimum (0.5 gr. 1 hour 110° C).
Retinol Analysis:	1,00 +/- 0,10 gr % (HPLC vs st: Sigma Aldrich) (33500 UI/gr. +/-10%)
Microbiological control:	Aerobic Mesophylls: 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.

EXTERNAL COSMETIC USE