

MULTIVITAMIN LIPOSOMES

CODE: LIP-91

Date of last amendment: 04.03.2022

INCI name: WATER (AND) PHOSPHOLIPIDS (AND) MAGNESIUM ASCORBYL PHOSPHATE (AND) RETINYL PALMITATE (AND) TOCOPHERYL ACETATE (AND) BENZOIC ACID (AND) CHOLECALCIFEROL.

DESCRIPTION: LIP-91 is composed of purified non-GMO soy phospholipids. These natural delivery systems encapsulate and transport Vitamin C, Vitamin E, Vitamin A and Vitamin D3 to the target cells. The combination of these vitamins works to improve and achieve healthy skin. Vitamin D is a fat-soluble vitamin that has antioxidant and skin-soothing benefits for skin. Both Vitamin C and E are powerful antioxidants and present anti-age properties. Vitamin A repairs the lower layers where collagen and elastin reside, providing outstanding anti-aging effects.

COMPOSITION (INCI NAME)	% (weight)	CAS #
Water	74.900	7732-18-5
Phospholipids	12.000	123465-35-0
Alcohol	10.000	64-17-5
Magnesium Ascorbyl Phosphate (Vitamin C)	1.000	114040-31-2 / 113170-55-1
Retinyl Palmitate (Vitamin A)	1.000	79-81-2
Tocopheryl Acetate (Vitamin E)	1.000	7695-91-2 / 58-95-7
Cholecalciferol (Vitamin D3)	0.100	50-14-6
Preservatives: Benzoic Acid	1.000	532-32-1

Particle size:	100 – 300 nm (DLS)
Manufacturing method:	Microfluidization
Net charge of the liposome:	Negative
Type of liposome:	Oligo-unilamellar
Color:	Brown
Appearance:	Semi-translucent to opalescent liquid. Absence of foreign matter.
Odor:	Characteristic
pH:	4.00 – 5.50 (25°C) (USP XXVII)
Density:	0.980 – 1.050 (pycnometer) (20°C) (USP XXVII)
Dry Residue:	15 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