

MANDELIC ACID LIPOSOMES

CODE: LIP-31

Date of last amendment: 15.12.2021

INCI name: WATER (AND) MANDELIC ACID (AND) PHOSPHOLIPIDS (AND) PHENOXYETHANOL (AND) TOCOPHERYL ACETATE.

DESCRIPTION: LIP-31 is composed of purified non-GMO soy phospholipids. These natural delivery systems encapsulate and transport Mandelic Acid and Vitamin E to the target cells. Mandelic Acid is an Alpha Hydroxy Acid (AHA) with larger molecules than most of its AHA counterparts. Therefore, it is less irritating to the skin, but can still deliver the same anti-aging benefits that AHAs traditionally provide: accelerated cellular turnover rate, the ridding of dead skin cells, and increased collagen production. Mandelic Acid's antibacterial properties allow it to serve as an effective acne treatment as well.

COMPOSITION (INCI NAME)	% (weight)	CAS #
Water	84.225	7732-18-5
Mandelic Acid	10.000	90-64-2
Phospholipids	5.000	123465-35-0
Tocopheryl Acetate	0.025	7695-91-2 / 58-95-7
Preservatives: Phenoxyethanol	0.750	122-99-6

Particle size:	100 – 500 nm (DLS)
Manufacturing method:	Microfluidization
Net charge of the liposome:	Negative
Type of liposome:	Oligo-unilamellar
Color:	Pale Yellow
Appearance:	Homogeneous, gelatinous opalescent liquid. Absence of foreign matter
Odor:	Mild, pleasant
pH:	3.00 – 4.50 (USP XXVII) (25°)
Density:	0.980 – 1.050 (pycnometer) (20°C) (USP XXVII)
Dry Residue:	12 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