

## DMAE LIPOSOMES

**CODE:** LIP-53

Date of last amendment: 19.03.2024

**INCI name:** WATER (AQUA) (AND) PHOSPHOLIPIDS (AND) DIMETHYL MEA (AND) PHENOXYETHANOL (AND) CAPRYLYL GLYCOL (AND) TOCOPHERYL ACETATE.

**DESCRIPTION:** LIP-53 is composed of purified non-GMO soy phospholipids. These natural delivery systems encapsulate and transport DMAE (Dimethyl Amino Ethanol) and Vitamin E to the target cells. DMAE helps to tighten skin and reduce sagging, improve firmness and elasticity, smooth lines and wrinkles and also brighten the skin. The combination of DMAE and Vitamin E enhances the antioxidant effects.

COMPOSITION (INCI NAME)	% (weight)	CAS #
Water (Aqua)	78.872	7732-18-5
Phospholipids	10,000	123465-35-0
Dimethyl MEA	10,000	108-01-0
Tocopheryl Acetate	0,028	7695-91-2 / 58-95-7
<b>Conservantes:</b>		
Phenoxyethanol	0,900	122-99-6
Caprylyl Glycol	0,200	1117-86-8

<b>Particle size:</b>	100 – 400 nm (DLS)
<b>Manufacturing method:</b>	Microfluidization
<b>Net charge of the liposome:</b>	Negative
<b>Type of liposome:</b>	Oligo-unilamellar
<b>Color:</b>	Yellowish White to Light Brown
<b>Appearance:</b>	Semi-translucent to opalescent liquid. Absence of foreign matter
<b>Odor:</b>	Mild, pleasant
<b>pH:</b>	5.00 – 7.00 (25°C) (USP XXVII)
<b>Density:</b>	0.990 – 1.100 (pycnometer) (20°C) (USP XXVII)
<b>Dry residue:</b>	15,0 gr.% minimum (0.5 gr. 1 hour 110° C)
<b>Microbiological control:</b>	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**