

## MILK THISTLE PHYTO-LIPOSOMES

**CODE:** LIP-19

Date of last amendment: 10.01.2023

**INCI name:** WATER (AQUA) (AND) PHOSPHOLIPIDS (AND) SILYBUM MARIANUM EXTRACT (AND) PHENOXYETHANOL (AND) CAPRYLYL GLYCOL (AND) TOCOPHERYL ACETATE.

**DESCRIPTION:** LIP-19 is composed of purified non-GMO soy phospholipids. These natural delivery systems encapsulate and transport Milk Thistle (Silybum Marianum) and Vitamin E acetate to the target cells. Milk Thistle's antioxidants protect the skin from free radicals and from the pollutants. It is a powerful anti-aging and anti-inflammatory active ingredient and can help fight acne.

| COMPOSITION (INCI NAME)                           | % (weight) | CAS #       |
|---|------------|-------------|
| Water (Aqua)                                      | 78,875     | 7732-18-5   |
| Phospholipids                                     | 10,000     | 123465-35-0 |
| Silybum Marianum Extract (Lady's Thistle Extract) | 10,000     | 84604-20-6  |
| Tocopheryl acetate                                | 0,025      | 58-95-7     |
| <b>Conservantes:</b>                              |            |             |
| Caprylyl Glycol                                   | 0,200      | 1117-86-8   |
| Phenoxyethanol                                    | 0,900      | 122-99-6    |

|                                    |   |
|------------------------------------|---|
| <b>Particle size:</b>              | 100 – 300 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>                      | Brown   |
| <b>Appearance:</b>                 | Slightly opalescent to opalescent liquid  |
| <b>Odor:</b>                       | Characteristic  |
| <b>pH:</b>                         | 6.50 – 8.00 (25°C) (USP XXVII)  |
| <b>Density:</b>                    | 0.980 – 1.050 (pycnometer) (20°C) (USP XXVII)   |
| <b>Dry residue:</b>                | 8.0 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**