

## SMOOTHING LIPOSOMES

CODE: LIP-84

Date of last amendment: 16.12.2021

**INCI Name:** WATER (AQUA) (AND) PHOSPHOLIPIDS (FROM SOYBIN LECITHIN) (AND) POLYQUATERNIUM-16 (AND) DIMETHICONOL (AND) CYCLOMETHICONE (AND) CYCLOPENTASILOXANE (AND) DIMETHICONE / VINYLTRIMETHYLSILOXYSILICATE CROSSPOLYMER (AND) PHENOXYETHANOL (AND) TOCOPHERYL ACETATE.

**DESCRIPTION:** LIP-84 is composed of purified non-GMO soy phospholipids. These natural delivery systems encapsulate and transport Silicone blend and Vitamin E acetate to the target cells.

| COMPOSITION (INCI NAME)                               | % (weight) | CAS #                                       |
|-------------------------------------------------------|------------|---------------------------------------------|
| Water (Aqua)                                          | 66,390     | 7732-18-5                                   |
| Phospholipids (from Soybean lecithin)                 | 12,850     | 123465-35-0                                 |
| Polyquaternium-16                                     | 10,000     | 95144-24-4                                  |
| Dimethiconol                                          | 2,500      | 31692-79-2 / 70131-67-8                     |
| Cyclomethicone                                        | 2,500      | 69430-24-6 / 556-67-2 / 541-02-6 / 540-97-6 |
| Cyclopentasiloxane                                    | 2,500      | 541-02-6                                    |
| Dimethicone/Vinyltrimethylsiloxysilicate Crosspolymer | 2,500      | -----                                       |
| Tocopheryl Acetate                                    | 0,060      | 7695-91-2 / 58-95-7                         |
| Preservatives                                         |            |                                             |
| Phenoxyethanol                                        | 0,700      | 122-99-6                                    |

|                             |                                                                                               |
|-----------------------------|-----------------------------------------------------------------------------------------------|
| Particle size:              | 100 – 300 nm. (DLS)                                                                           |
| Manufacturing method:       | Microfluidization                                                                             |
| Net charge of the liposome: | Positive                                                                                      |
| Type of liposome:           | Oligo-unilamellar                                                                             |
| Color:                      | Amber                                                                                         |
| Appearance:                 | Homogeneous, semi-translucent to opalescent liquid. Absence of foreign matter                 |
| Odor:                       | Mild, characteristic.                                                                         |
| pH:                         | 5.00 – 7.00 (25°C) (USP XXVII)                                                                |
| Density:                    | 0.980 – 1.050 (pycnometer) (20°C) (USP XXVII)                                                 |
| Dry residue:                | 25 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.

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