

TROXERUTIN PHYTO-LIPOSOMES

CODE: LIP-55

Date of last amendment: 30.10.2024

INCI name: WATER (AQUA) (AND) PHOSPHOLIPIDS (AND) TROXERUTIN (AND) PHENOXYETHANOL (AND) CAPRYLYL GLYCOL (AND) TOCOPHERYL ACETATE.

DESCRIPTION: LIP-55 is composed of purified non-GMO soy phospholipids. These natural delivery systems encapsulate and transport Rutin hydro-ethyl derivatives (Trolox) and Vitamin E acetate to the target cells. Trolox is a flavonoid ingredient that's extracted from the Japanese plant *Sophora japonica*. It is a powerful plant derived anti-inflammatory active ingredient that helps reduce the appearance of dark circles and puffiness while promoting cell renewal. Also, it is actively used in medicine because of its ability to strengthen blood vessels and veins.

COMPOSITION (INCI NAME)	CAS #	% (weight)
Water (Aqua)	7732-18-5	91.875
Phospholipids	123465-35-0	5.000
Trolox	7085-55-4 / 31511-30-5	2.000
Tocopheryl Acetate	7695-91-2 / 58-95-7	0.025
Preservatives:		
Phenoxyethanol	122-99-6	0.900
Caprylyl Glycol	1117-86-8	0.200

Particle size:	100 – 300 nm (DLS)
Manufacturing method:	Microfluidization
Net charge of the liposome:	Negative
Type of liposome:	Oligo-unilamellar
Color:	Yellow
Appearance:	Semi-translucent to slightly opalescent liquid
Odor:	Mild, not unpleasant
pH:	4.00 – 6.00 (25°C) (USP XXVII)
Density:	0.980 – 1.050 (pycnometer) (20°C) (USP XXVII)
Dryresidue:	7.00 gr.% minimum (0.5 gr. 1 hour 110° C)
Arsenic:	0.5 ppm max
Heavy Metals:	5.0 ppm max. (Hydrogen Sulphides expressed as Lead)
Microbiological control:	Mesophilic bacteria: less than 100 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