

## ANTIOXIDANT RESVERATROL LIPOSOMES

**CODE:** LIP-69

Date of last amendment: 14.11.2016

**INCI name:** WATER (AQUA) (AND) ALCOHOL (AND) HYDROGENATED PHOSPHATIDYLCHOLINE (AND) RESVERATROL (AND) CHOLESTEROL (AND) TOCOPHERYL ACETATE.

**DESCRIPTION:** Liposomes made of purified soybean hydrogenated phospholipids which encapsulate Resveratrol.

COMPOSITION (INCI NAME)	% (weight)
Water (aqua) CAS: 7732-18-5	83,650
Alcohol CAS: 64-17-5	10,000
Hydrogenated Phosphatidylcholine (Pharmacopedia grade)	5,000
Resveratrol CAS: 501-36-0	0,500
Colesterol CAS: 57-88-5	0,250
Tocopheryl acetate CAS: 7695-91-2 epidérmico.	0,100
<b>Preservatives:</b> Phenoxyethanol CAS: 122-99-6	0,500
<b>Particle size:</b>	110 - 600 nm. (Dynamic Laser scattering –DLS).
<b>Manufacturing method:</b>	Microfluidization.
<b>Net charge of the liposome:</b>	Negative.
<b>Type of liposome:</b>	Oligo-unilamellar.
<b>Color:</b>	White to yellow
<b>Appearance:</b>	Slightly translucent to opalescent liquid
<b>Odor:</b>	Mild.
<b>pH:</b>	4,00 - 5,00 (25°C) (USP XXVII)
<b>Density:</b>	0,950 - 1,050 (pycnometer) (20°C) (USP XXVII)
<b>Dry residue:</b>	6,00 gr.% minimum (0.5 gr. 1 hour 110° C).
<b>Resveratrol determination in liposome (HPLC):</b>	90 – 110%.
<b>Microbiological control:</b>	Aerobic Mesophylls: 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.**

**EXTERNAL COSMETIC USE**