

Nanovec™



SPECIFICATIONS TDS

ROSEHIP OIL LIPOSOMES



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CODE: ECOLIP-4

Last Revision: 11.07.2023

INCI name: WATER (AQUA) (AND) PHOSPHOLIPIDS (from soybean lecithin) (AND) ROSA MOSCHATA OIL (AND) ALCOHOL (AND) SODIUM BENZOATE (AND) POTASSIUM PHOSPHATE (AND) TOCOPHEROL

DESCRIPTION

ECOLIP-4 consists of liposomes (natural delivery systems) made from soybean phospholipids, which encapsulate and transport Rosehip Oil (*Rosa moschata*) to the target cells.

These liposomes, and the encapsulated *Rosa moschata* oil, are ECOCERT certified.

Rosehip is a generic name that covers about 70 different species of plants of the *Rosa* genre, such as *Rosa rubiginosa*, *Rosa moschata* and *Rosa canina*. The rosehip oil is extracted from the seeds of the fruit of the wild plant.

The rosehip seed contains valuable phytochemicals such as phenolic compounds, carotenoids and ascorbic acid. Furthermore, the rosehip-seed oil is rich in polyunsaturated fatty acids, linoleic acid, linolenic acid, and phytosterols, mainly β -sitosterol, all related to the synthesis of collagen. Most importantly, it is a valuable source of retinoids.

The rosehip seed oil has antioxidant activity and may be utilized as a source of phytonutrients.

This oil has been used for decades to treat wounds and scars, provided that its high content of fatty acids plays a leading role in the cell membrane permeability and injury repair mechanisms.

Musk Rose oil promotes skin regeneration, improves the appearance of scars and stretch marks, and decreases erythema. It is a powerful moisturizer, strengthens the skin barrier and fights the effects of photoaging. It nourishes the skin, recovering density and elasticity. Improves the appearance of dark spots.



BENEFITS

Powerful antioxidant

Regenerates and heals the skin

Improves the appearance of scars and stretch marks

Nourishes the skin

Reduces dark spots

Fights the effects of photoaging

Recovers density and elasticity

COMPOSITION (INCI NAME)		CAS #	% (weight)
Water (Aqua)		7732-18-5	77.650
Phospholipids (from soybean lecithin)		8030-76-0	12.000
Rosa Moschata Oil		-----	5.000
Alcohol		64-17-5	3.000
Sodium Benzoate		532-32-1	1.000
Potassium Phosphate		7778-77-0	0.350
Tocopherol		59-02-9	0.100

Particle size:	100 – 500 nm (Dynamic Laser Scattering – DLS)
Manufacturing method:	Microfluidization.
Net charge of the liposome:	Negative.
Type of liposome:	Oligo-unilamellar.
Color:	White to light yellow.
Appearance:	Semi-translucent to opalescent liquid. Absence of foreign matter.
Odor:	Mild, slightly ethanolic.
pH:	4,75 – 6,00 (25°C) (USP XXVII)
Density:	0,980 - 1,050 (pycnometer) (20°C) (USP XXVII)
Dry residue:	17,0 gr % minimum (0.5 gr. 1 hour 110° C).
Microbiological control:	Mesophilic aerobes: less than 100 CFU/gr. Moulds & yeast: less than 20 CFU/gr. No pathogens.
Dosage:	1 - 10%
Solubility:	Miscible with water.
Application:	ECOLIP-4 is recommended for anti-ageing, skin brightening, skin firming and stretch mark formulations
Storage:	Keep refrigerated (5 - 15° C), in well-closed containers, protected from light. Under these conditions, the shelf life of Nanovec liposomes is 2 years.
Packing size:	1 kg, 5 kg, 10 kg, 60 kg Sample size: 50 g

EXTERNAL COSMETIC USE

