

Nanovec™



SPECIFICATIONS TDS

**CENTELLA ASIATICA LIPOSOMES
(HYDROCOTYL)**



COSMOS APPROVED

CENTELLA ASIATICA LIPOSOMES (HYDROCOTYL)

CODE: ECOLIP-3

Last Revision: 11.07.2023

INCI name: WATER (AQUA) (AND) PHOSPHOLIPIDS (from soybean lecithin) (AND) CENTELLA ASIATICA EXTRACT (AND) ALCOHOL (AND) SODIUM BENZOATE (AND) POTASSIUM PHOSPHATE (AND) TOCOPHEROL

DESCRIPTION

ECOLIP-3 consists of liposomes (natural delivery systems) made from soybean phospholipids, which encapsulate and transport Centella Asiatica (Hydrocotyl) to the target cells.

These liposomes, and the encapsulated Gotu Kola, are ECOCERT certified.

Few plants can boast having such a glorious, rich and extensive history of healing, especially in traditional Chinese medicine. It lies within the *Apiaceae* family. The Ayurvedic South Asian herb gotu kola / centella asiatica (also known as hydrocotyl, asiatic pennywort, Indian pennywort and tiger grass) is traditionally used in herbal teas and salads in several Asian countries and in Madagascar. Gotu Kola has been used for millennia as a traditional skin medication.

Centella Asiatica is rich in amino acids, beta carotene, fatty acids, and phytochemicals. This super blend of nutrients offers fantastic benefits for the skin, including powerful anti-aging properties.

Gotu Kola is well recognized for its beneficial action on connective tissue, improves circulation as well as the synthesis of collagen and skin tissue, and also boosts antioxidant activity. It protects blood vessel walls and repairs leaky capillaries, thereby improving water retention. Boosts lower leg tissue oxygenation, removal of carbon dioxide from tissues and reduces ankle swelling/oedema, leg heaviness, itching, pain, puffiness, restlessness, cramps and tiredness. Also, it treats fat tissue inflammation and stimulates lipolysis.

From all the above mentioned properties, Gotu Kola works on all aspects of cellulite.



BENEFITS

Powerful venotonic and excellent adjuvant in anti-cellulite treatments

Improves the skin moisture content

Delays the onset of wrinkles

Helps tissue renewal and the synthesis of collagen

Accelerates wound healing

Treats fat tissue inflammation

Boosts leg tissue oxygenation



COMPOSITION (INCI NAME)		CAS #	% (weight)
Water (Aqua)		7732-18-5	73.550
Phospholipids (from soybean lecithin)		8030-76-0	12.000
Centella Asiatica Extract		84696-21-9	10.000
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 – 300 nm (Dynamic Laser Scattering – DLS)
Manufacturing method:	Microfluidization.
Net charge of the liposome:	Negative.
Type of liposome:	Oligo-unilamellar.
Color:	Amber.
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:	14,00 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-3 is recommended for anti-cellulite, anti-ageing, leg wellness, skin brightening, skin firming, stretch mark and under-eye formulations.
Storage:	Keep refrigerated (5 - 15° C), in well-closed containers, protected from light. Shake well before use. 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

