



DELTHAmannosio

What is DELTHAmannosio and what is for?

DELTHAmannosio is a food supplement formulated in sachets based on **D-mannose**, **Ribolife nucleotides** and **cranberry**. Their synergy of action finds application in case of reduced intake with the diet, for the drainage of body fluids and to favour the natural body defences with special attention to the functionality of the urinary tract. In particular, this formulation results highly effective in the resolution of that typical and annoying condition known as cystitis.



Patients complaining of cystitis suffer from increased day- and night-time frequency, urgency, pain and sometimes blood in their urine.

Cystitis are bladder inflammations due in large part to the presence of optional anaerobic bacteria in the urinary tract. These bacteria are part of the intestinal flora and in some conditions become contaminating for the urinary tract, giving rise to an infection. The most representative is the Escherichia Coli, but not only.

The presence on their surface of extensions called fimbriae or pili allows bacteria to bind to cells that line the urinary tract and settle into the bladder and also enter the cells. Bacteria can also build, either outside or inside those cells, structures where they can escape antibiotics.

Moreover, they often manage to develop antibiotic resistance.

For these reasons, cystitis represents a serious issue for public health.

What DELTHAmannosio contains?

DELTHAmannosio contains a high dose of **D-mannose (1000 mg)** which boasts a vast medical literature to support its usefulness in the treatment of cystitis. It is a monosaccharide not metabolised by the body and therefore eliminated as such predominantly by urinary tract. D-mannose mimics the surface bacterial receptors on urothelial cells, thus interfering with the adhesion mechanism, and promotes the elimination of microorganisms, regardless any antibiotic resistance. For this reasons it is an adjuvant in the resolution of cystitis.

In addition, DELTHAmannosio contains **Marsh cranberry** (Vaccinium Macrocarpon) with its antibacterial function. Cranberry is traditionally used in the treatment of urinary infections, osteoporosis and as a source of antioxidants, due to the presence of Proanthocyanidins (PACs), polyphenols able to inhibit microbial adhesion to the bladder surface and modify bacterial cells viability. PACs are extracted using HPLC (High Performance Liquid Chromatography), ie by passing the raw material into columns under a pressure of hundreds of atmospheres, managing to achieve a final titration of 25%.

In this way, synergy with D-mannose increases antibacterial power.





Finally, DELTHAmannosio contains **Ribolife purified nucleotides**, recognized by international literature for their utility in strengthening and supporting the immune system, rebalancing intestinal microflora (as **dysbiosis** may cause cystitis) and supporting the re-generation of cells subjected to inflammatory damage.



How to use DELTHAmannosio?

DELTHAmannosio is formulated in convenient sachets with a pleasant taste to be taken once a day dissolved in a glass of water. It is recommended to empty the bladder before use.

Ingredients: Maltodextrin, D-mannose, Marsh cranberry (*Vaccinium Macrocarpon*) eg. 25% HPLC, Nucleotides. Anti-caking agents: Silicon dioxide.

Acidifier: citric acid, sweetener sucralose.

Pack: 20 sachets in a box.

Warnings: do not exceed the recommended daily dose. Keep out of reach of children under the age of three. Supplements are not intended as a substitute for a varied, balanced diet and a healthy lifestyle. For use during pregnancy and lactation consult your doctor.

Gluten-free

Ingredients for single sachet: D-Mannose, Fructose, Maltodextrin, Nucleotides from *Saccharomyces cerevisiae* (GMP, UMP, AMP, CMP), Acidifier: Citric acid; Aroma, Cranberry – Cranberry fruit dried extr. (*Vaccinium macrocarpon Aiton*) tit. 25% proanthocyanidins.

Conservation methods: store in a cool and dry place away from light. The expiry date refers to the product correctly stored in unopened packaging.

Composition:

D-Mannose	1000 mg
Cranberry (tit. 25% PAC in HPLC)	40 mg
Nucleotides	230 mg