

Micro Liposomal C

European Non-GMO Vitamin C in Sunflower Phospholipid Liposomes

Micro Liposomal C is an advanced liposome form of vitamin C, using only pure ingredients: *European Non-GMO vitamin C*, and *soy-free essential phospholipids from Non-GMO sunflower lecithin*. Micro Liposomal C provides a liposomal delivery system using unilamellar liposomes (single bilayer) that are 2 to 8 times smaller than other vitamin C liposome products. Micro Liposomal C freely pours as a liquid and tastes great.



#76770
120 mL (4 fl. oz.)

Key Features

- Pure non-GMO Vitamin C from European sources
- Essential phospholipids derived from non-GMO sunflower lecithin (soy-free)
- Advanced liposomes are significantly smaller (70-130 nm), for faster absorption*
- Small size also allow them to bypass reticulo-endothelial clearance*
- Advanced delivery permits higher vitamin C intake without colonic distress*
- Delicious and easy to take – pours as a good-tasting liquid



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Micro Liposomal C utilizes Quali[®]-C, produced in a premier facility in Dalry, Scotland, where it is made from glucose originating solely from European non-GMO cornfields. Due to reliable suppliers and an advanced production process, the vitamin C is fully traceable from raw materials to the finished vitamin C.

The pure non-GMO vitamin C in Micro Liposomal C is encapsulated inside a spherical phospholipid bilayer membrane, which allows it to be directly absorbed in the upper intestine, greatly increasing absorption.* The liposomal delivery may help escort the enclosed vitamin C into cells and tissues.* This advanced delivery system also avoids the colonic distress that can occur with high oral doses of vitamin C.*

The liposomes utilized in Micro Liposomal C are much smaller in size than those used in most other liposomal vitamin C formulations. They range in size from 70-130 nm, whereas other products use liposomes that range from 300-600 nm. These small liposomes absorb faster and penetrate deeper into tissues, with absorption beginning in the oral cavity.* Perhaps more importantly, liposomes in this size range are not scavenged by the reticulo-endothelial filtration system of the liver and spleen, allowing a longer retention time in the body.*

The smaller size has other benefits. It allows a higher vitamin C to phospholipid ratio, allowing a more reasonable intake of phospholipids when taking higher amounts of vitamin C. It also results in a product that is a delicious and easy-to-pour liquid, instead of a strong-tasting gunk that doesn't dissolve well in liquids.

The liposome size of every batch of Micro Liposomal C is controlled and confirmed using Laser Photon Correlation Spectroscopy. To insure a uniform outcome, product consistency is maintained through constant monitoring and adjustment of manufacturing inputs, such as temperature and pressure.

Most liposomes use crude soy lecithin, which is low in phosphatidyl choline and may not be well tolerated by those wishing to avoid soy, especially in higher doses. Micro Liposomal C uses soy-free essential phospholipids from pure non-GMO sunflower lecithin.

Phospholipids are the basic building blocks of cell membranes. They have an oil-soluble (hydrophobic) pole and a water-soluble (hydrophilic) pole. This allows them to be assembled into structures that can encapsulate and enhance absorption of both water-soluble and oil-soluble substances.

A liposome is a structure in which phospholipids are assembled as lipid bilayers like those in cell membranes, which can house a desired water-soluble nutrient or compound inside it. Phospholipids can also be arranged in a single layer around an oil droplet to emulsify (solubilize) the oil for suspension in water solutions, in what is called a nano-emulsion or lipid nanoparticle. Dietary phospholipids, in either liposome or nano-emulsion form, can significantly enhance absorption of nutrients.*

Phospholipids are not just carriers of other nutrients, but are beneficial nutrients in their own right.* Phospholipids are present in cells throughout the body, especially in the brain, heart, liver, kidneys, and gastrointestinal tract. Phosphatidylcholine is a key component of acetylcholine, an important brain neurotransmitter, and also of the membranes of liver cells, where it supports healthy fluidity and function of the membranes.* Phosphatidylcholine is also found in the healthy mucosal barrier in the gastrointestinal system.*

Quali[®]-C meets or exceeds the quality standards GMP, HACCP, CEP, ISO-9001, ISO-14001 and FSSC22.000. The Quali[®]-C manufacturing plant in Dalry, Scotland, is committed to sustainability along three vectors: Social, Environmental, and Economic (people, planet, and profit). The company has placed in the top tier of the Dow Jones Sustainability Index for several years, and the site in Dalry was the first vitamin manufacturing plant to be awarded the coveted UK-based Carbon Trust certification.†

Store Micro Liposomal C in a cool place or refrigerate. For longer term storage it may be stored in the freezer.

†Carbon Trust Certification promotes more sustainable, low carbon operational models by measuring and certifying the resource footprints of organizations, their supply chains, products and services to recognized international standards.

Supplement Facts

Serving Size 1 Teaspoon (5 mL)

Servings Per Container 24

Amount Per Serving	% Daily Value
Vitamin C (as Sodium Ascorbate) (Quali [®] -C)	1000 mg 1111%
Sodium	125 mg 5%
Essential Phospholipids (from Purified Sunflower (Seed) Lecithin)	250 mg †

† Daily Value not established

Other ingredients: Water, glycerin, ethanol, natural citrus oil.

Suggested Use: As a dietary supplement, 1 teaspoon ten minutes before meals, one to three times daily, or as directed by a healthcare practitioner. Stir into liquid and swallow, or may be taken undiluted.

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