

HOLOS HEMP OIL

Faster, stronger, and more effective, Holos Hemp Oil liposomal delivery far outpaces tinctures. The advanced technology behind this groundbreaking liquid delivery method makes for precise dosing and immediate relief.

THE ADVANTAGES OF LIPOSOMAL DELIVERY

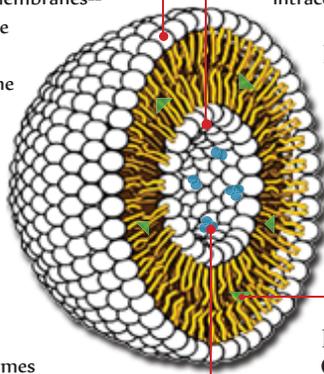
UNILAMELLAR LIPOSOME

FUNDAMENTAL

Liposomes are made of phospholipids—the basic building blocks of cell membranes—and encapsulate nutritional compounds. The combined benefit promotes healthy cellular function.

SMALL & FAST

Our tiny liposomes are rapidly absorbed, starting in the mouth.



WATER-SOLUBLE COMPOUNDS

BIOAVAILABLE

These encapsulating phospholipids bond with cell membranes to facilitate intracellular delivery.

HIGHEST QUALITY

We use the same laboratory equipment, rigorous processes, and tight particle-size controls used by the best pharmaceutical companies.

LIPID-SOLUBLE COMPOUNDS



WHAT MAKES A GOOD LIPOSOME?

EFFICIENT COMPOUND DELIVERY

Liposomes are microscopic single-to multi-layer spheres made of phospholipids—the basic building blocks of cell membranes. We engineer these phospholipids to encapsulate compounds, in order to bypass the digestive processes that normally degrades or limits compound absorption.

FAST ABSORPTION

Our liposomes bring the power of intravenous therapy into convenient oral delivery. Unlike other liposomes on the market that use low grades of phospholipids (e.g. raw lecithin), which break down and do not deliver compounds effectively, the high-phosphatidylcholine phospholipid mixes are smaller, more stable, and tightly distributed single-layer spheres (unilamellar vesicles). Our vesicles are small enough to begin absorption as soon as they hit your mouth.

PARTICLE SIZE

Most nutraceutical manufacturers typically use cheap shear methods resulting in large particles (200-600nm) that absorb poorly. Most of our particle systems fall in the same 50-100nm range that pharmaceutical companies target.

SUPERIOR CHEMISTRY

Well-engineered liposomes have demonstrated the ability to cross the blood-brain barrier, deposit their cargo intracellularly, and enhance lymphatic circulation of therapeutic compounds.

SMART INGREDIENTS

The phospholipids that compose the liposome shell feed the cell membranes themselves. This promotes proper cellular function, like the absorption of nutrients and the excretion of cellular waste products and toxins.

PHOSPHOLIPID ENCAPSULATION

Liposomal delivery brings the power of intravenous therapy into convenient oral delivery. Typical absorption of hemp oil is poor, with only about 10% uptake in the GI tract. Liposomal encapsulation of compounds similar to hemp oil have been shown to increase absorption five-to ten-fold. Our pharmaceutical-grade HOLOS HEMP OIL outperforms other products thanks to smaller, more stable, single-layer spheres made from the highest-grade ingredients available. In a test against cannabinoid uptake results published by a leading competitor, our liposomal hemp oil was absorbed in the blood in amounts three times as great at half the dose. In fact, phospholipid therapy, using both injectable forms and oral forms, has long and solid clinical history.