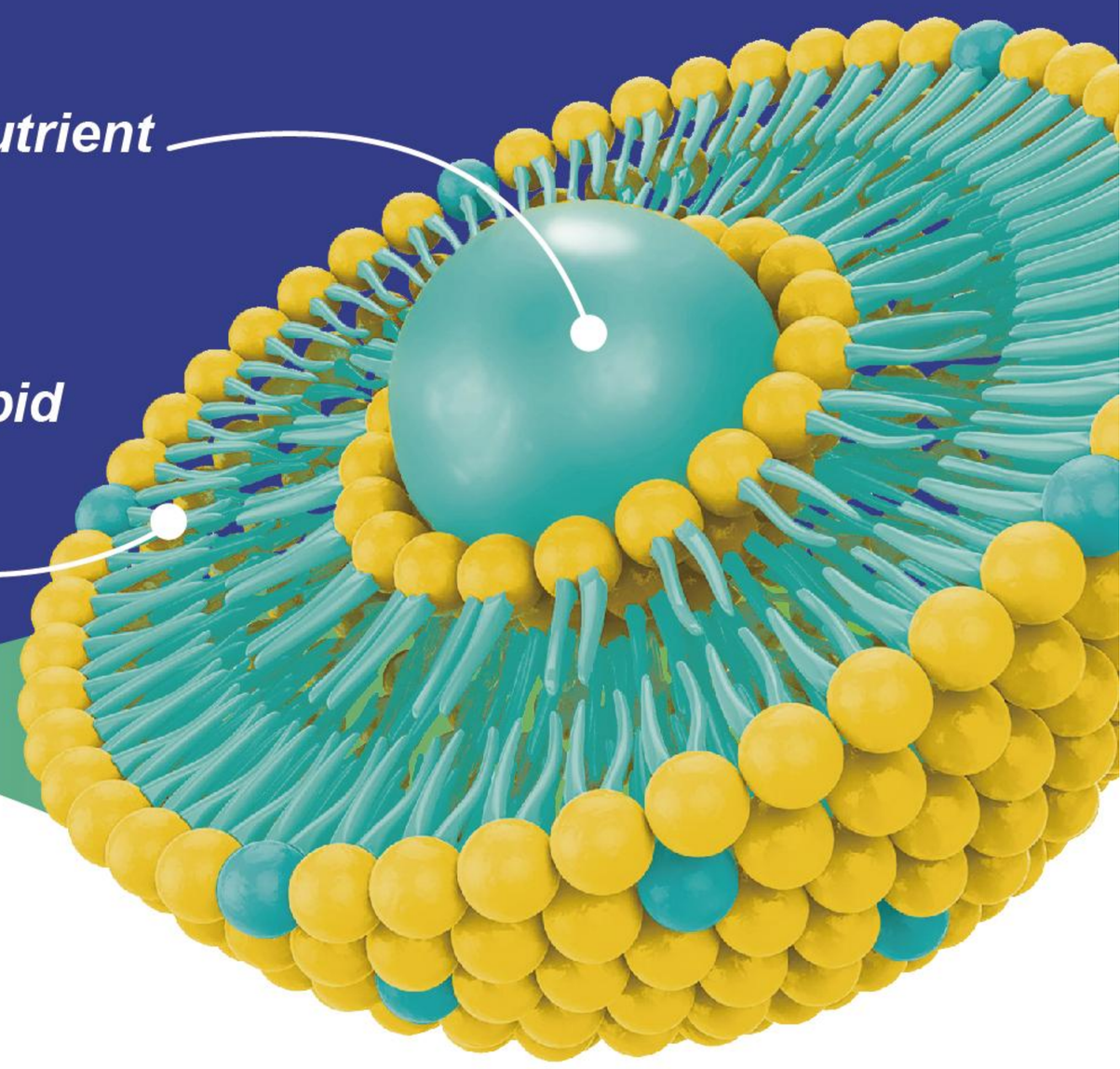
Natural FIELD | NFlipo™

Liposome Technology

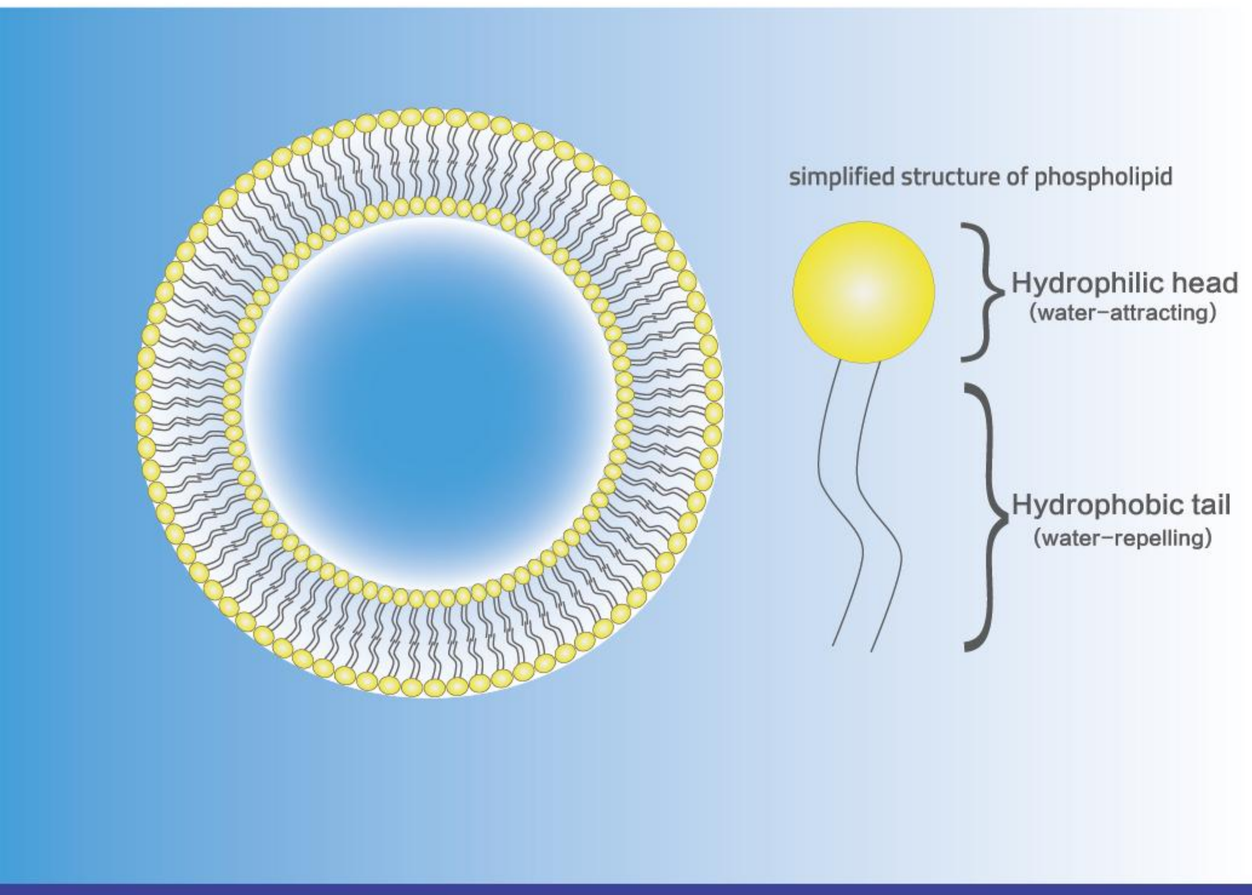
Cutting-edge Technology,
Global Patents, Better Stability,
Easier Absorption, Higher Bioavailability

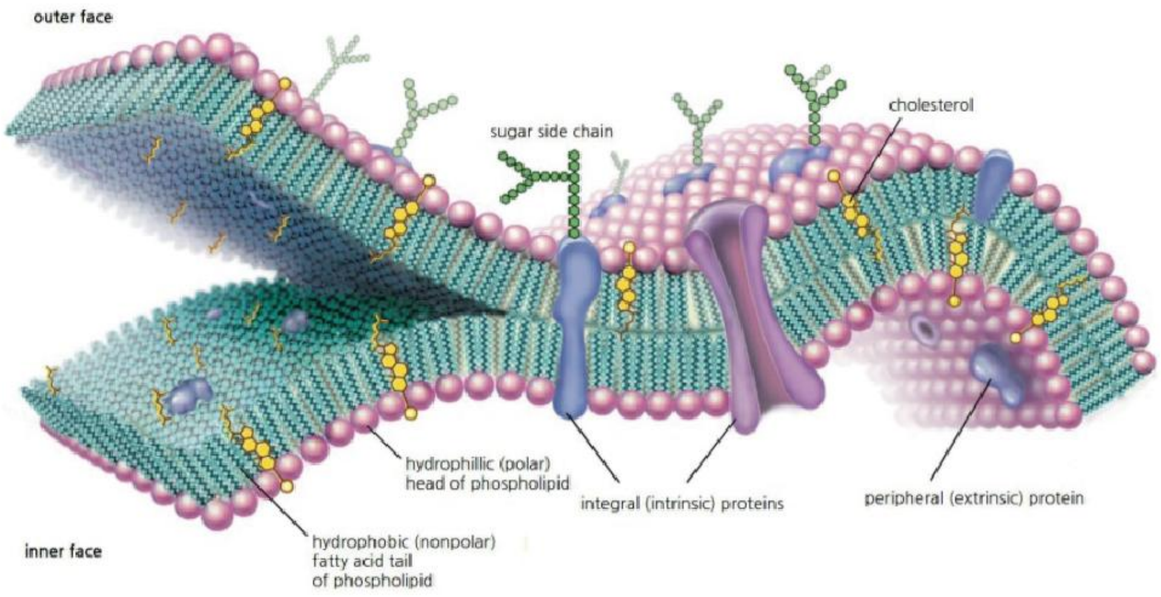


Definition of Co-loading Liposomes

The novel Co-loading liposomes is an innovative drug delivery system based on natural active ingredients. It utilizes natural compounds such as ginsenosides as membrane stabilizers to replace traditional cholesterol while simultaneously encapsulating two or more components to form a complex drug-loading system. This delivery system maintains the fundamental structure of liposomes while significantly enhancing drug-loading efficiency, stability and biocompatibility.

Natural Field's NF lipo®Technology Platform has obtained patent protection in major global markets and holds complete independent intellectual property rights, making it one of the leading liposomal delivery platforms worldwide.





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Advantages of Co-loading Liposomes Platform

Unique Design

Replacing cholesterol with natural products, such as ginsenosides.

Advanced Technology

Simplified preparation process compared to conventional dual-drug loaded liposomes, enabling easier industrialization.

Co-loading Liposomes

High-Efficiency Encapsulation

Simultaneously encapsulates two or more active ingredients.

Global Patent

Exclusive authorized patents granted in major developed countries.

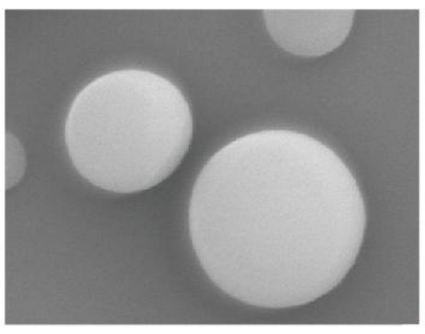
High Bioavailability

Scientifically validated efficacy through rigorous experimental studies.

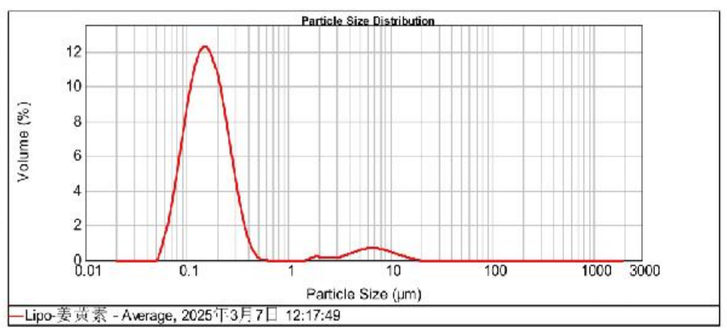
Featured Product

NF Lipo® Liposomal Curcumin

NF Lipo® Liposomal Curcumin is spherical under the electron microscope, with a particle size of about 50nm. It uses Non-GMO sunflower phospholipid, significantly improving the bioavailability of curcumin, and can be used in products such as hard capsules and premixes. The results of Caco-2 cell in vitro absorption simulation experiment show that the relative absorption of NF Lipo® Liposomal Curcumin is about **3** times higher that of free curcumin, and the curcumin Co-loading liposome is **8.08** times higher that of free curcumin.

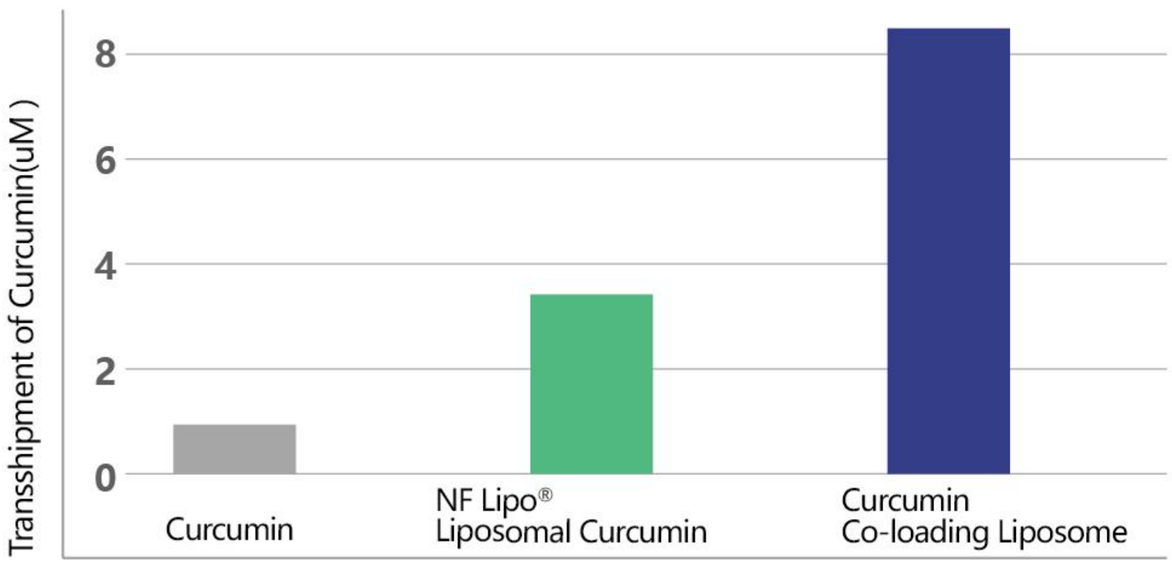


NF Lipo® Liposomal Curcumin
Electron Micrograph



NF Lipo® Liposomal Curcumin
Particle Size Distribution

Relative Absorption



Liposomal Product Range

Product name
Liposomal NMN
Liposomal Glutathione
Liposomal Coenzyme Q10
Liposomal Vitamin K2
Liposomal Fisetin
Liposomal NAD
Liposomal Vitamin C
Liposomal Resveratrol
Liposomal Curcumin
Liposomal Berberine HCl
Liposomal Quercetin
Liposomal Fe/Mg/Zn
Liposomal Dihydromyricetin
Liposomal Silymarin
Liposomal PEA

Application

Application	Function
Beverages, Capsules, Gummies, Tablets	Natural Pigments, Antioxidant, Anti-inflammatory, Liver-protecting, Immune-enhancing

More products can be customized.

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Liposomal Powder List

Classification	Specfications	Assay
Vitamins	Co-loaded Liposomal-VK2	MK-7≥2000ppm,Delta-20≥1%
	Liposomal-VK2	MK-7≥2000ppm
	Liposomal Vitamin C	70%
	Liposomal Vitamin D3	2.5%-1.000.000IU
	Liposomal Vitamin E	(D-alpha-tocopherol) 10%-1430IU
	Liposomal Vitamin B1	
	Liposomal Vitamin B2	Pyridoxal phosphate 70%
	Liposomal Vitamin B6	(pyridoxal-5-phosphate) 50%
	Liposomal Vitamin B9	(5-MTHF, 5-methyltetrahydrofolate) 50%
	Liposomal Vitamin B12	(methylcobalamin) 1%
Coenzyme Q10	Co-loaded Liposomal-Q10	CoQ1070%,Delta-20≥5%
	Liposomal-Q10	CoQ1070%
NMN	Co-loaded Liposomal-NMN	NMN 70%,Delta-20≥5%
	Liposomal-NMN	NMN 70%
NAD+	Co-loaded Liposomal-NAD+	NAD+70%,Delta-20≥5%
	Liposomal-NAD+	NAD+70%
NADH	Co-loaded Liposomal-NADH	NADH 60%, Delta-20≥5%
	Liposomal-NADH	70%
Nicotinamide	Co-loaded Liposomal-Nicotinamide	Nicotinamide 70%,Delta-20≥1%
	Liposomal-Nicotinamide	Nicotinamide 20%
Silymarin	Co-loaded Liposomal-Silymarin	Silymarin 15%, Delta-20≥5%
	Liposomal-Silymarin	Silymarin 15%
L-Glutathione reduced	Co-loaded Liposomal-Glutathione	L-Glutathione70%, Delta-20≥5%
	Liposomal-Glutathione	Glutathione 70%
Curcumin	Co-loaded Liposomal-Curcumin	Curcumin 10%, Delta-20≥5%
	Liposomal-Curcumin	Curcumin 70%
Ergothioneine（EGT）	Co-loaded Liposomal-EGT	EGT60%, Delta-20≥5%
	Liposomal-EGT	EGT60%

Classification	Specfications	Assay
DHM	Co-loaded Liposomal-DHM	DHM 70%, Delta-20≥5%
	Liposomal-DHM	DHM 70%
PEA	Co-loaded Liposomal-PEA	PEA 30-50%, Delta-20≥5%
	Liposomal-PEA	PEA 50%
Ashwagandha Extract Witahnoides	Co-loaded Liposomal-Ashwagandha Extract withanolides	Ashwagandha Extract withanolides 5%, Delta-20≥5%
	Liposomal-Ashwagandha Extract withanolides 5%	Ashwagandha Extract withanolides 5%
Fisetin	Co-loaded Liposomal-Fisetin	Fisetin 70%,Delta-20≥5%
	Liposomal-Fisetin	Fisetin 70%
Berberine Hcl	Liposomal-berberine	Berberine 30%,Delta-20≥1%
	Liposomal-berberine	berberine 70%
Alpha Lipoic Acid (ALA)	Liposomal-ALA	30%ALA,Delta-20≥1%
	Liposomal-ALA	70%ALA
Apigenin	Co-loaded Liposomal-Apigenin	Apigenin 30%,Delta-20≥5%
	Liposomal-Apigenin	Apigenin 70%
Resveratrol	Co-loaded Liposomal-Resveratrol	Resveratrol 60%,Delta-20≥5%
	Liposomal-Resveratrol	Resveratrol 70%
Quercetin	Co-loaded Liposomal-Quercetin	Quercetin 70%,Delta-20≥1%
	Liposomal-Quercetin	Quercetin 70%
PQQ	Liposomal PQQ	PQQ 30%
GABA	Liposomal GABA	GABA70%
Lutein	Liposomal Lutein	Lutein 10%
Spermidine	Liposomal Spermidine	Spermidine 70%
Gingerol	Liposomal Gingerol	Gingerol 5%
Hyaluronate Sodium	Liposomal HA	Hyaluronate Sodium 10%
N-Acetyl-L-Cysteine	Liposomal N-Acetyl-L-Cysteine	70%
Glutamine	Liposomal Glutamine	Glutamine 70%
Lysine	Liposomal Lysine	70%
Magnesium Malate	Liposomal Magnesium Malate	70%
Magnesium Bisglycinate	Liposomal Magnesium Bisglycinate	Magnesium Bisglycinate 70%
Ferrous Bisglycinate	Liposomal Ferrous Bisglycinate	70%
Lactoferrin	Liposomal Lactoferrin	Lactoferrin 30%
Citicoline	Liposomal Citicoline	Citicoline 70%
Vitamins B-complex	Liposomal vitamins B-complex	Vitamins B-complex 70%