



Experts in liposomal targeted delivery

# Who We Are

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# The Science

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# Innovation

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# Our History

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**2009**

Initial research  
begins

**2018**

Clinical trials yield  
positive efficacy data

**2011**

European R&D  
facility commissioned

**2016**

Independent study  
reveals significant  
formulation superiority

**2012**

First European-made  
commercial liposomal  
formula launched



A transmission electron micrograph (TEM) showing numerous spherical liposomes of varying sizes, densely packed and appearing as dark, textured circles against a lighter background.

**2019**

TEM evidence further  
proves class-leading  
formulations

**2020**

New UK facility  
commissioned and  
partnership forged with  
Anglia Ruskin University

**2023**

Named Pharmaceutical  
Company of the Year

A microscopic image showing a pile of dried liposomes, which appear as a textured, granular mass of small, irregular particles, some of which are more clumped than others.

**2024**

Successful  
production of  
authentic dried  
liposomes

# Our Mission

## Research, Innovate, Deliver.

GMPriority Pharma are a first-class team of liposomal industry professionals, with over 35 years of combined expertise in liposome technology, commercial liposomal production, product development & research.

As liposomal industry professionals, we have accumulated a combination of technological expertise and knowledge in the fields of microencapsulation and liposomes. Our skillset places us in a unique position, to lead the way in nano-particle technology.

In addition, our team deliver ground-breaking, high-quality liposomal formulations, used by some of the leading nutraceutical brands around the world. We partner with premium raw material suppliers such as Lipoid, DSM and Kyowa ensuring we produce the highest calibre formulations for our clients.

GMPriority Pharma are dedicated to bringing liposome and lipid nano-particle technology into daily use.

# Our Four Pillars



## People

At the heart of everything we do are the people that benefit from our products



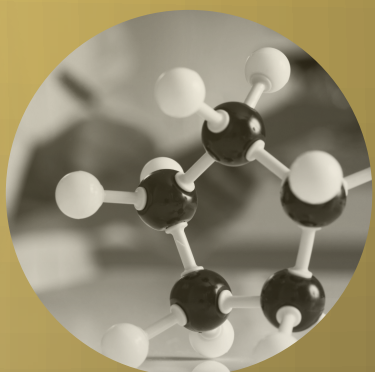
## Integrity

For our customers, our employees, our partners and our competitors.



## Quality

Our superior standards and commitment to excellence are what make us unique.



## Innovation

Fusing academia, science, research and development, pioneering innovation.



# Our Expertise

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## **Collaborative Anti-Cancer Research**

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Formulation design  
and optimisation

## **Liposomal Analysis and Characterisation**

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## **Scaling Up Technologies**

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Planning and designing; from  
pilot to full production trials.  
Quality Control  
Assessment Programme.

## **Full Characterisation**

## **Encapsulated Drug Analysis**

## **Formulation Stability and Safety Monitor**

- Characterisation Analysis
  - High Performance Liquid Chromatography
  - Dynamic Light Scattering
  - Zeta sizing
  - Morphology

- Long Term Stability Study
- Accelerated Stability Study
  - In-use Stability Study



# Our Scientists

**Professor Mohammad Najlah**  
**Chief Scientist & Co-Founder of**  
**GMPriority Pharma**

Dr. Chloe Bradbury  
Head of Medical Affairs

Dr. Sahrish Rehmani  
Senior Formulation Scientist

Dr. Hanan Abdalmaula  
Research & Development Leader

Ani Alieva  
Head of Nutrition

Elnaz Salehian  
Research & Development Scientist

Nishant Shrestha  
Quality Control Leader

Vijay Kumar Patel  
Cleanroom Manager

Alhadi Osman  
Production Manager

Faizan Abdul Khaliq  
Formulation Scientist

# Chief Scientist

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Professor Mohammad Najlah BPharm, PgDip, PhD, FHEA, FRSC, is the co-founder of GMPriority Pharma and the Chief Scientist.

Professor Najlah is a Professor of Pharmaceutics and Nanomedicine and Lead of the Pharmaceutical Research Group at Anglia Ruskin University.

He is a Fellow of the Royal Society of Chemistry and has been at the forefront of nano-encapsulation for over two decades.



Professor of Pharmaceutics & Nanomedicine  
Pharmaceutical Research Group Lead, MTRC, ARU  
Fellow of Royal Society of Chemistry  
Fellow of Higher Education Academy  
The Academy of Pharmaceutical Sciences Board Member

# Our Process

Choose the right scientific partner.

GM Priority Pharma specialise only in liposomes and lipid encapsulation.

There is an art in creating effective liposomal delivery in supplements. Many factors play a role in proper liposomal nutritional manufacturing.

INTRODUCTION



R&D / FORMULATION



COSTING



PRODUCTION



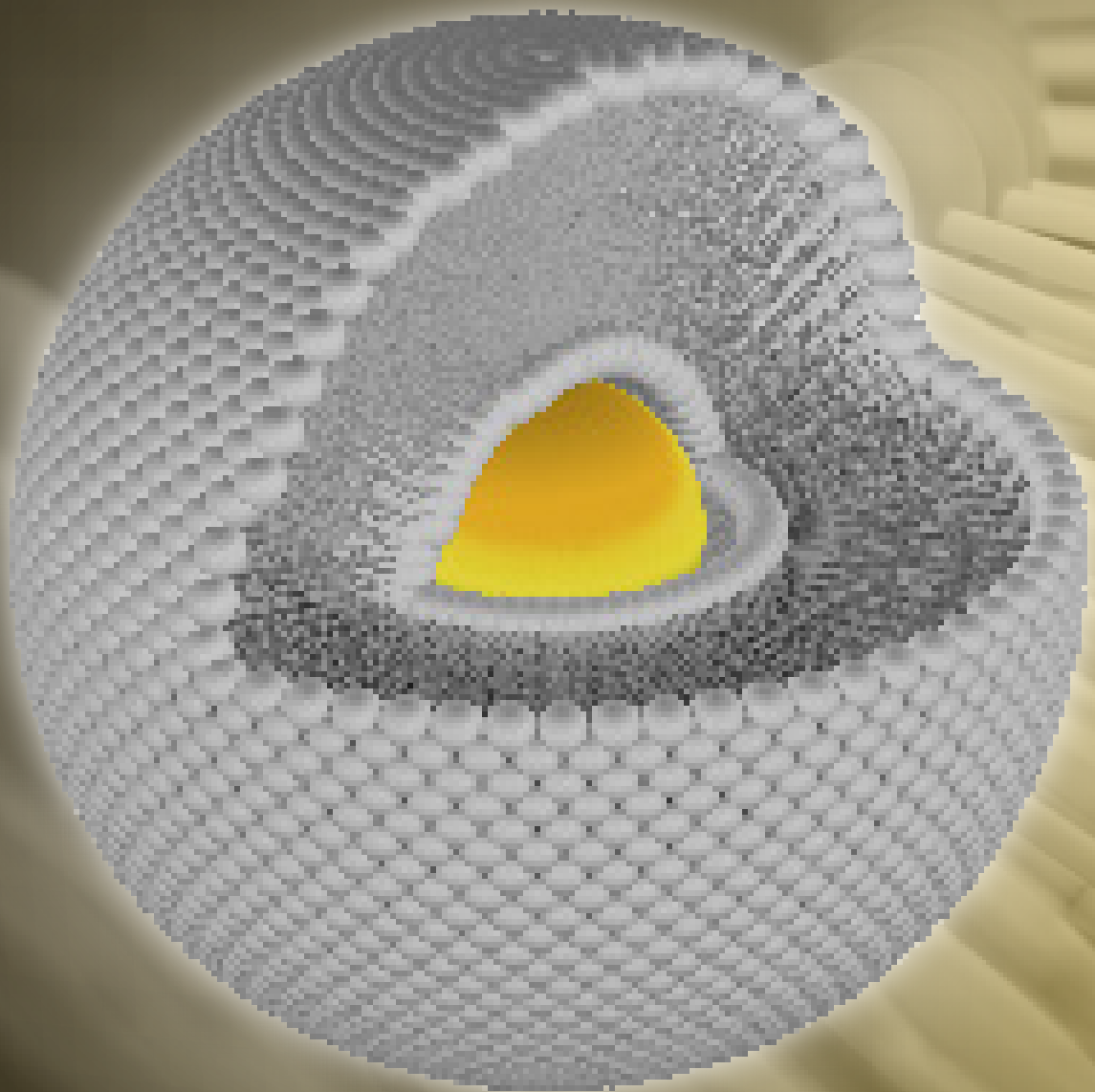
LABELLING



SHIPPING

# Our Science

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gmpriority  
pharma



# Liposomal Encapsulation

Conventional oral vitamins often experience low absorption rates due to enzymatic degradation, absorption challenges in the small intestine, and first pass liver metabolism.

Traditional oral supplements lose potency through digestion, metabolism, and excretion before reaching the body's cells.

Liposomal technology ensures maximum nutrient absorption, bypassing obstacles that hinder traditional supplements.

With liposomal supplements, the body reaps the full benefits of each nutrient, unlocking their potential more effectively.

# Analysis

Unlock precise characterisation of liposomal formulations with GMPriority Pharma's advanced equipment, including zeta-sizer and nano sight.

Accurate assessment of average size, size distribution, shape, polydispersity, and surface charge (zeta potential). and morphology

Maximise liposomal formulation analysis with GMPriority Pharma's advanced UHPLC, UV spectrometer, and titrimetric assays. Optimal encapsulation efficiency, precise component concentration and robust lamellarity and stability (standard & accelerated ) assessments. Detailed characterisation of liposomal formulations to enhance comprehension of structural properties and viscosity dynamics.

Liposome Characteristics	Characterisation Technique
Average particle size	Dynamic light scattering (DLS) and microscope technology: Scanning and transmission electron microscopy (SEM/TEM)
Zeta potential / Surface charge	DLS
Particle shape / Morphology	TEM, Cryo-TEM
Lamellarity	Cryo-TEM
Encapsulation efficiency / Drug release	Centrifugation, followed by drug content determination using chromatographic and/or spectrophotometric methods

# Certifications



Academic Partners



# Our Services

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## Research & Development

- Characterisation Analysis
- Tunable Resistive Pulse Sensing
- High-Performance Liquid Chromatography
- Dynamic Light Scattering
- Zetasizing





## **Production**

- Scaling up
- White label
- Private label
- Contract manufacturing
- Bulk production
- Powdered liposomal technology

## **Logistics**

- A global distribution network direct from our own fulfilment centre.
- Located within 30 minutes of London Stansted Airport
- 45 minutes from the port of Felixstowe.
- Less than an hour from central London

# Innovation

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After 2 years of full time R&D, we have perfected dry liposome technology using our trademarked SAIFX technology



Dry liposomes offer several advantages over conventional liposomes:

- Enhanced stability
- Controlled release
- Versatility in formulation
- Scalability and cost-effectiveness
- Palatability and market penetration



# Ingredients

5-MTHF

Boswellia

Bromelain

Carnosine

CoQ10

Curcumin

Glutathione

Green Tea

Hydroxytyrosol

Iron

Magnesium

NMN

Nucleotides

Omega 3

Palmitoylethanolamide (PEA)

Phosphatidylcholine

Potassium Iodide

Quercetin

Resveratrol

R-Lipoic Acid

Selenium

Vitamin A

Vitamin C

Vitamin B12

Vitamin D3

Zinc

Just a small selection of the active ingredients available for liposomal encapsulation