

# HINNAO<sup>®</sup>

TECHNOLOGY



The Power of IV Therapy, Without the Medical Procedure

HIGH-STABILITY LIPOSOMES, INSTANT ABSORPTION



Revolutionary Liquid Drop Supplements.  
High-stability Liposomes. Clinically Proven Bioavailability.

THE POWER OF IV VITAMIN THERAPY ON THE GO

**Until now oral supplements had to bypass the gut barrier losing up to 90% of the bioavailability. Intravenous (IV) drip therapy has been the most efficient delivery method straight into the bloodstream.**

HINNAO® high-stability liposomal liquid drops are delivered by the mucous membrane, instantly reaching full absorption in 60-90 seconds into the bloodstream.

Due to the high-stability liposomal delivery system, HINNAO® liquid drop supplements are the most bioavailable oral supplements money can buy. Scientifically proven to be more stable than standard Liposomes supplements.

HINNAO® liquid drops deliver a natural dose daily.



FROM THE FOUNDERS AT HINNAO®





**GREAT-TASTING  
FORMULATION**



**NATURAL  
INGREDIENTS**



**PREMIUM  
GLASS BOTTLE**

HINNAO® high-stability liposomes are taken sublingually under the tongue with a great tasting natural formulation of Almond oil, Stevia, Orange Oil and are packaged in premium glass blue bottles to protect from oxidation and boxed to prevent breakages.



Suitable for Vegans



Dairy Free



Gluten Free



GMO Free



Sugar Free

## How to use HINNAO® drops



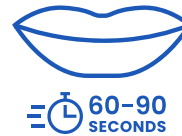
1. Shake the bottle well



2. Squeeze pipette to draw up the desired amount of product\*



3. Place the liquid in your mouth



4. Hold for 60-90 seconds, then swallow

\*amount varies per product

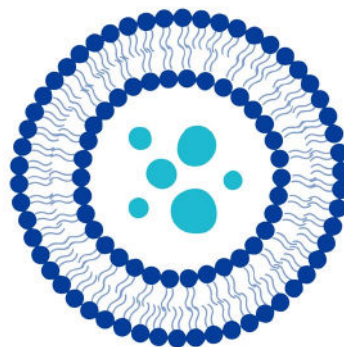
## HINNAO® TECHNOLOGY HIGH STABILITY LIPOSOMES VS STANDARD LIPOSOMES

Standard liposomes are suspended in water. In theory the liposome encapsulates the desired product protecting it and enabling higher/increased bioavailability. Over a short period of time the encapsulated product will fall out of the liposomal encapsulation and be degraded in the water solution.

How are Standard Liposomes Made: The desired product is placed in water and a small amount of a phospholipid is added to the water and subjected to a Sonification. The sonification reduces the particle size of the solid product and the frequency of the sonification encapsulates the particles in the phospholipid. The liposomal product is suspended in Water.

Our liposome process suspends the product in a phospholipid (MCT Oil, Sweet Almond) base. The suspension ensures that our product cannot “Fall Out” of the phospholipid and degrade making our liposomes very stable.

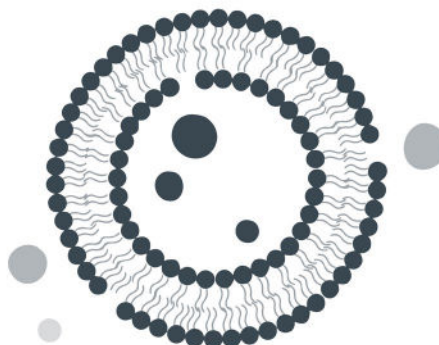
How are our High Stability Liposomes Produced: We use very high shear subjecting the particles up to 40,000 psi. This high shear reduces the particle size and encapsulates the particles in uniformly dispersed liposomes. The narrow particle size distribution of the liposomes ensures uniform size and high bioavailability. The Oil-based suspension (MCT Oil / Sweet Almond Oil) protects the liposomes and keeps them stable for 24 months.



## HINNAO® Technology High-Stability Liposomes

### UNIFORMLY DISPERSED REDUCED IN PARTICLE SIZE

HINNAO® Technology uses a high shear process subjecting the particles to 40,000 psi encapsulating the particles uniformly, the phospholipid MCT base, ensure the product cannot fall out, creating high stability liposomes for increased bioavailability.



## Standard Liposomes

### SUSPENDED IN WATER WITH A SMALL AMOUNT OF OIL IN THE PHOSPHOLIPID

Standard liposomes are suspended in water with a small amount of oil in the phospholipid, meaning the encapsulated product will fall out and oxidise.



## Size & Stability are Key

By reducing the particle size of our vitamins and supplements and precisely controlling the level of size reduction during manufacturing, we are able to effectively process shear-sensitive materials without breaking the covalent/hydrogen bonds of the product. This allows us to produce products that are very stable.

**Creating high stability liposomes, means the molecule won't fall out of encapsulation, protecting against oxidation and delivering full bioavailability of the active ingredient.**





## NAD<sup>+</sup> (Nicotinamide adenine dinucleotide) Cellular Energy Production

NAD<sup>+</sup>, or nicotinamide adenine dinucleotide, is a coenzyme that plays a critical role in supporting many biological processes within your body. NAD<sup>+</sup> benefits include protecting cells from stress, maintaining healthy sleep cycles and helping your cells repair damaged DNA

Until Now NAD<sup>+</sup> has only been available in IV drip therapy clinics, due to the molecule not being stable. Using clinically proven high-stability liposomes, as a delivery mechanism, HINNAO NAD<sup>+</sup> absorbs instantly via the mucous membrane crossing the blood-brain barrier.

HINNAO® Technology uses a high shear process subjecting the particles to 40,000 psi encapsulating the particles uniformly, the phospholipid MCT base, ensures the product cannot fall out, creating high stability liposomes for increased bioavailability.



## WHY DO WE NEED NAD+?

NAD+ levels will typically half by the time we hit our 50's compared to what they were in their 20's. Low NAD+ levels are associated with ageing and being more prone to chronic diseases such as diabetes, heart disease, Alzheimer's disease and vision loss.

"They have also evolved to require a molecule called nicotinamide adenine dinucleotide, or NAD. As we will see later, the loss of NAD as we age, and the resulting decline in sirtuin activity, is thought to be a primary reason our bodies develop diseases when we are old but not when we are young." David A. Sinclair, Lifespan: Why We Age and Why We Don't Have To

Ageing occurs at a cellular level and then we see the outward signs; the lines and wrinkles on our face or the aching in our joints, as well as the development of life-limiting diseases. Our cells need the energy to function at peak efficiency, but as we get older a lack of oxygen tells our cells its game over and eventually they shut down.

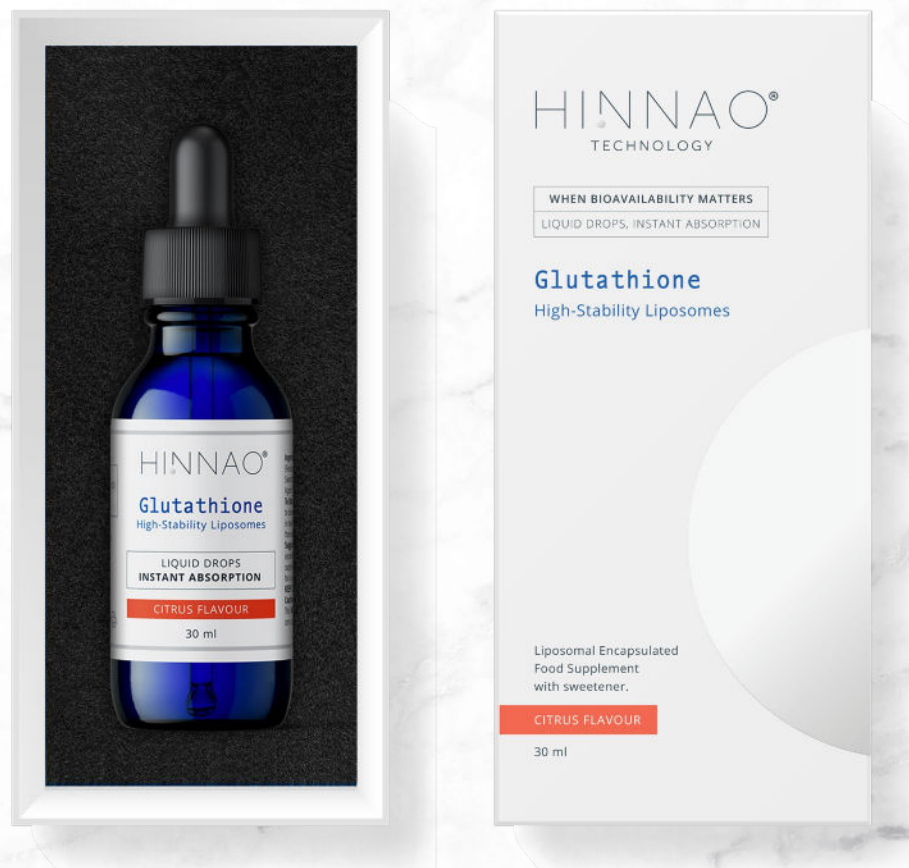
Nicotinamide adenine dinucleotide (NAD+) is an essential enzyme present in all our cells that performs a number of key roles. Its primary function is being part of the energy conversion process that takes place within the cell, but it also works hard to repair damaged cells and reverse the effects of oxidation in the body, so declining levels of NAD+ have been identified as an important factor in the ageing process.

**Ingredients:** MCT (Medium Chain Triglycerides [Derived from **Coconut** and Palm Kernel Oils]), NAD+ (Nicotinamide adenine dinucleotide), Steviol glycosides, Orange Oil Valencia, Orange Oil, Benzaldehyde, Lime Oil Distilled, Vanillin

| NUTRITION INFORMATION                                |                         |
|--|-------------------------|
| Serving Size: 1 ml                                   | Servings Per Bottle: 30 |
| Amount Per Serving                                   | %NRV+                   |
| NAD+   | 125mg                   |
| Nicotinamide Adenine Dinucleotide<br>(Oxidized Form) |                         |
| CONTAINS NO FRUIT JUICE                              |                         |



## Cellular Energy Production



## Glutathione

### Master Cellular Antioxidant

Glutathione is the mother of all antioxidants. A molecule our bodies produce naturally to cleanse free radicals and toxins from our system. A master detoxifier responsible for recycling and recharging every antioxidant in our bodies.

The majority of supplements are simply not worth taking, their benefits are lost in the stomach and never make it to the bloodstream. Our HINNAO® technology allows us to create high-stability liposomes; which means 85% of each dose is absorbed within 60 seconds.

Our world is filled with toxins. Everything from the food we eat, clothes we wear, even the air we breathe has our bodies working overtime to fight off damage and replenish our cells. To further the problem, as we age our glutathione levels fall. This makes our bodies extremely susceptible to breakdown and disease. In fact the average 45-year-old has already experienced a 50% decrease in glutathione.

## PROTECTS AGAINST LIVER DAMAGE

Increasing glutathione provides long term liver protection and health benefits. Your liver has one of the highest concentrations of glutathione in the body. Every time your liver is exposed to excess chemicals, pollutants, or toxins, your liver concentrations of glutathione drops considerably. Several studies have shown that GSH administration helps to recover oxidative stress-induced liver damage in alcoholic and non-alcoholic liver diseases.

## CONTROLS CELL DEATH

GSH is essential for cell survival and its depletion increases the cellular susceptibility to apoptosis (Cell Death). High intracellular GSH levels help cells live healthier and longer, and low intracellular levels has been shown either to induce or increase cell death.

## BOOSTS IMMUNE FUNCTION

Glutathione boosts your immune function. It is the most important molecule you need to stay healthy and prevent disease. Glutathione is critical in helping your immune system do its job of fighting infections. Studies show that Glutathione can help in the treatment of AIDS and even help to prevent cancer.

## INCREASES ENERGY

When you increase the amount of cellular Glutathione in your body, you are giving yourself a health-promoting energy boost, eliminating toxins and empowering your immune system. When Glutathione levels are low, it's generally a good indicator that cellular energy (Adenosine triphosphate or ATP) is low, too. Therefore, low levels of glutathione will often correlate with low energy levels.

**Ingredients:** Sweet **Almond** Oil, L-Glutathione (Reduced), Cold-Pressed Orange Oil, Sweetener: Steviol Glycosides, Anti-Caking Agent: Silicon Dioxide

### NUTRITION INFORMATION

Serving Size: 1 ml      Servings Per Bottle: 30

#### Amount Per Serving

L-Glutathione Reduced 200mg

CONTAINS NO FRUIT JUICE



Helps Eliminate  
Toxins



Increased Metabolic  
Efficiency



Reduces Oxidative  
Stress



Increases your  
Energy



## Resveratrol

### Supports Health-span, Antioxidant

Resveratrol is a compound that occurs naturally in the skin of red grapes. It's a natural way to assist the relaxation of blood vessels to promote circulatory efficiency. Additionally, resveratrol possesses various anti-aging benefits and can potentially support healthy metabolic processes.

Due to the HINNAO® technology delivery system, HINNAO® liquid drop supplements are the most bioavailable supplements money can buy. HINNAO® liquid drops make sure you get consistent and maximum dosage every day. Clinically proven with Pharmaceutical Grade ingredients.

HINNAO® liquid drops are taken sublingually under the tongue with a great tasting natural formulation of Almond oil, Stevia, Orange Oil and are packaged in premium glass blue bottles to protect from oxidation and boxed to prevent breakages.

## WEIGHT LOSS - ENERGY

Doses of 500mg Resveratrol has been described as mimicking caloric restriction, leading to improved exercise performance and insulin sensitivity (increasing energy expenditure), as well as having a body fat-lowering effect by inhibiting adipogenesis, and increasing lipid mobilization in adipose tissue.

## MEMORY AND MENTAL FOCUS

Many customers report relief from “mental fog” and increased ability to recall things in short term memory that were previously forgotten.

## PAIN REDUCTION

Resveratrol has been shown to fight inflammation. Inflammation is the most common cause of pain in our bodies.

## AESTHETIC BENEFITS

Resveratrol can have a two-fold effect, both neutralizing free radicals and boosting antioxidant levels, so your skin can better defend and repair itself. Resveratrol has been found to help protect against UV damage and can even reduce pigmentation caused by the sun.

## FITNESS

Resveratrol supplementation can improve cardiovascular output, and reduce fatigue. Many studies support this, as well as anecdotal evidence from our customers.

**Ingredients:** MCT (Medium Chain Triglycerides [Derived from **Coconut** and Palm Kernel Oils]), Resveratrol, Sweetener: Steviol Glycosides, Butter Vanilla Flavouring

### NUTRITION INFORMATION

Serving Size: 1 ml      Servings Per Bottle: 30

#### Amount Per Serving

Resveratrol 100mg

CONTAINS NO FRUIT JUICE



Brain  
Function



Hair, Skin and  
Nails



Anti-Ageing  
Properties

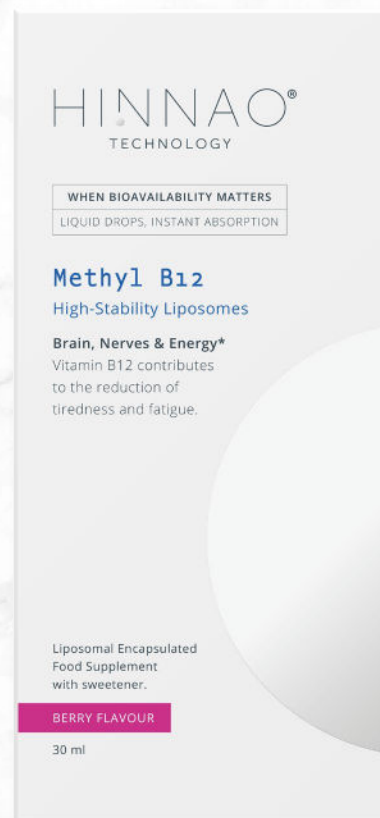


Protects Against  
High Blood Pressure



Protects Against  
Heart Disease





## Methyl B12

### Brain, Nerves & Energy

Methylcobalamin, the most bioavailable and active form of B12. It has been found to possess strong neuroprotective properties, boosting immunity, mood, memory, and energy... Like most vitamins, your body can't make B12, so we do it for you.

Many companies make claims they can't support. Our Methyl-B12 is Clinically Validated and proven to enter your bloodstream within seconds. No other B12 supplement works as fast and delivers results like Methyl B12.

Vitamin B12 is the most difficult vitamin to absorb. Healthy individuals absorb approximately only 2% of the B12 in their diet. B12 is an essential vitamin that your body needs but cannot produce.

### HELPS IMPROVE MOOD

Vitamin B12 is required for the production of serotonin, which is responsible for regulating mood. Vitamin B12 may help improve mood in people with an existing deficiency. It is also needed for concentration and cognitive processes, such as learning.

### HELPS MAINTAIN HEART HEALTH

B12 reduces your risk of heart disease by lowering your homocysteine levels. It helps control the buildup of plaque in the arteries and can help control high blood pressure and cholesterol.

### ESSENTIAL FOR HEALTHY SKIN AND HAIR

The important role B12 plays in cell reproduction is essential for healthy hair, skin and nails helping them become stronger. B12 can also help reduce redness, dryness, inflammation, and acne.

### HELPS PREVENT ANAEMIA

B12 is needed to produce red blood cells and prevent anaemia which leads to chronic fatigue and weakness.

### SPEEDS NERVE CELL TRANSMISSION

Vitamin B12 helps produce the fatty sheath (myelin) that surrounds and protects your nerves keeping them healthy and functioning properly.

**Ingredients:** Sweet **Almond** Oil, Caprylic Acid, Anti-Caking Agent: Silicon Dioxide, Strawberry Oil Flavouring, Vitamin B12 (as methylcobalamin), Sweetener: Steviol Glycosides

#### NUTRITION INFORMATION

Serving Size: 1 ml      Servings Per Bottle: 30

#### Amount Per Serving

L-Glutathione Reduced 200mg

CONTAINS NO FRUIT JUICE



Provides Brain  
& Body Energy



Helps Improve  
Mood



Speeds Up Nerve Cell  
Transmission



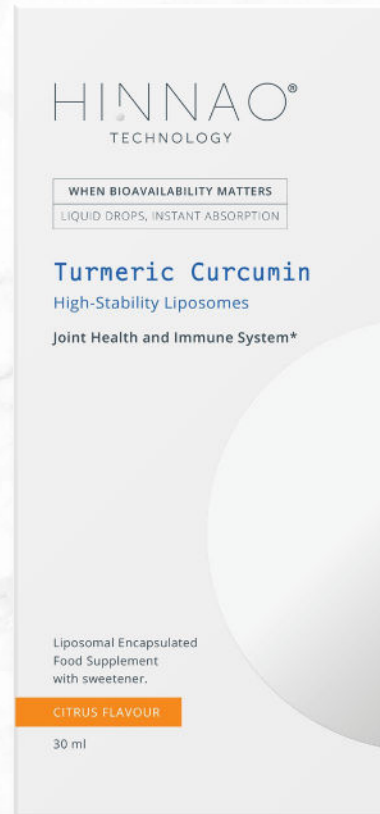
Supports Heart  
Health



Reduces  
Homocysteine



Combats Fatigue and  
Tiredness



## Turmeric Curcumin

### Joint Health and Immune System

As a powerful antioxidant Curcumin plays a role in keeping our joints healthy and pain-free.

Curcumin is the main active ingredient found in the turmeric root. A powerful Anti-Inflammatory and Antioxidant. For thousands of years Ayurvedic medicine has recommended turmeric for health conditions, such as; chronic pain, digestive issues, heart health, cancer, liver function, and inflammation. There are over 25,000 scientific studies and research articles published on Curcumin that validate its amazing antioxidant and anti-inflammatory properties.

### PROMOTES JOINT HEALTH

As a powerful antioxidant Curcumin plays a role in keeping our joints healthy and pain-free. Curcumin is used by your body to combat free radicals and oxidative stress which causes inflammation and joint pain.

### SUPPORTS IMMUNE FUNCTION

Every day your immune system works to protect your body against infection and disease. Turmeric is a natural way to help bolster the immune system by increasing the immunomodulating capacity of the body.

### SUPPORTS HEART HEALTH

Heart Disease is the number one cause of death in the US. A healthy heart consists of many factors, like eating healthy and regular exercise. Recent studies have shown that when you exercise it improves the endothelial function of the heart. When researchers compared exercise to curcumin supplementation, they found that curcumin was just as effective as exercise in improving endothelial function.

### SUPPORTS HEALTHY DIGESTION

Most people do not realize just how critical your gut health is to overall health, but if your gut is unhealthy you are at greater risk for a number of serious health issues. Curcumin has been shown to help relieve irritable bowel syndrome, inflammatory bowel disease, Crohn's disease, abdominal pain, bloating, gas, cramping, nausea, and heartburn.

**Ingredients:** Sweet **Almond** Oil, Turmeric Extract Powder (Curcuma Longa), Sweetener: Steviol Glycosides, Flavouring: Lemon Oil

#### NUTRITION INFORMATION

Serving Size: 0,5 ml    Servings Per Bottle: 60

##### Amount Per Serving

Turmeric extract (Curcuma Longa) 200 mg  
(Standardised to minimum 95% tetrahydrocurcuminoids)

CONTAINS NO FRUIT JUICE



Supports Joint  
Mobility



Pain  
Support



Improves  
Digestion



Fights  
Inflammation



## Vitamin D3 + K2

### Immune Support & Bone Health

We all know how important vitamin D is for strengthening bones and supporting the absorption of phosphorus and calcium, but it is also directly involved with immune function, disease prevention, mood regulation, and even weight control.

Vitamin K2 works together with Vitamin D3 to support healthy bones. In simple terms, vitamin K2 helps to make sure that calcium is deposited where it needs to be in the bones and not elsewhere such as the arteries.

Vitamin K2 MK7 is a vitamin that is somewhat rare in the western diet. Vitamin K2 is found in meats and animal products, such as dairy and eggs, as well as in fermented foods. Vitamin K2 MK4 is found in animal products and meats, while other subtypes such are found in fermented foods and leafy greens.

The MK7 subtype is found mostly in cheese and provides the highest bioavailability. Because Vitamin K is fat-soluble, lean and low-fat animal products typically don't contain much of it. Vitamin K2 is also produced in small amounts by gut bacteria in the large intestine.

#### BENEFITS

Vitamin K2 MK7 is essential to cardiovascular health and helps support the blood's ability to coagulate. Vitamin K2 may help support blood & cardiovascular health.† It promotes strong bones and contributes to strong, healthy teeth.



### MOST BIOAVAILABLE D3 SUPPLEMENT AVAILABLE

We make our Vitamin D3 using the highest quality pharmaceutical grade (cholecalciferol) which is the exact form of vitamin D3 naturally made by your body after your skin is exposed to sunlight. Our Vitamin D3 is suspended in a fat-soluble source (almond oil) enabling it to easily enter the bloodstream making it the most bioavailable D3 product on the market.

### CARDIOVASCULAR FUNCTION

The heart is basically a large muscle, and like skeletal muscles, it has receptors for vitamin D. So perhaps it's no surprise that studies are finding vitamin D deficiency may be linked to heart disease.

They found that men who were deficient in vitamin D were twice as likely to have a heart attack as men who had adequate levels of vitamin D. Other studies have found that low vitamin D levels were associated with higher risk of heart failure, sudden cardiac death, stroke, overall cardiovascular disease, and cardiovascular death.

### ENHANCE MUSCLE FUNCTION

People with higher lean mass and muscle mass also tend to have higher levels of active vitamin D. This suggests that active vitamin D may help to optimize muscle strength.

**Ingredients:** Sweet **Almond** Oil, Vitamin D (as cholecalciferol), Vitamin K2, Menaquinone 7, Sweetener: Steviol Glycosides, Orange & Pineapple Oil Flavouring, Anti-Caking Agent: Silicon Dioxide

#### NUTRITION INFORMATION

|                           |                         |
|---------------------------|-------------------------|
| Serving Size: 0,75 ml     | Servings Per Bottle: 40 |
| <b>Amount Per Serving</b> | <b>%NRV†</b>            |
| Vitamin D3 100µg (4000iu) | 2000                    |
| Vitamin K2 (MK7) 100µg    | 133                     |
| CONTAINS NO FRUIT JUICE   |                         |



Supports Blood  
Health



Supports  
Cardiovascular  
Health



Promotes Strong  
Bones



Contributes to Strong,  
Healthy Teeth

## Product Comparison Charts



| Glutathione  | HINNAO®<br>TECHNOLOGY | Other Supplements   |
|--|-----------------------|---|
| Great taste stevia and natural flavours                |                       | Poor taste aspartame, sucralose, sunflower oil                              |
| High quality ingredients                               |                       | Low quality ingredients   |
| Clinically proven absorption published study           |                       | Unproven  |
| High bioavailability vs standard liposomal Glutathione |                       | Poor absorption   |
| HINNAO™ Technology (high-stability liposomes)          |                       | Liposomal technology unstable   |
| Value for money 6000 mg per bottle                     |                       | Higher dose needed due to poor absorption                                   |
| Instant absorption via mucus membrane                  |                       | Gut barrier absorption  |
| Premium glass bottle, sublingual drops                 |                       | Capsules or plastic bottles   |
| 90 second absorption                                   |                       | Liposomal ingredients are not stable and start to oxidise before absorption |



| Methyl B12                                 | HINNAO®<br>TECHNOLOGY | Other Supplements   |
|--|-----------------------|---|
| Great taste stevia and natural flavours    |                       | Poor taste aspartame, sucralose, sunflower oil                              |
| High quality ingredients                   |                       | Low quality ingredients   |
| High bioavailability vs standard liposomal |                       | Poor absorption   |
| Premium B12 Methylcobalamin                |                       | Cheap B12 cyanocobalamin can lead to kidney issues                          |
| Instant absorption via mucus membrane      |                       | Gut barrier absorption  |
| Premium glass bottle, sublingual drops     |                       | Capsules or plastic bottles   |
| Natural ingredients                        |                       | Artificial sweeteners and fillers   |
| 90 second absorption                       |                       | Liposomal ingredients are not stable and start to oxidise before absorption |
| Dairy free                                 |                       | Contain dairy   |

## Product Comparison Charts



| Resveratrol  | HINNAO <sup>®</sup><br>TECHNOLOGY | Other Supplements  |
|--|-----------------------------------|--|
| Great taste stevia and natural flavours  |                                   | Poor taste aspartame, sucralose, sunflower oil   |
| High quality ingredients   |                                   | Low quality ingredients  |
| High bioavailability vs standard liposomal   |                                   | Poor absorption  |
| Resveratrol sublingual absorption passes the mucus membrane fully absorbed within 90 seconds |                                   | Oral bioavailability is low (<1%) due to rapid and extensive metabolism in the intestine and liver |
| Instant absorption via mucus membrane  |                                   | Gut barrier absorption   |
| Premium glass bottle, sublingual drops   |                                   | Capsules or plastic bottles  |
| Natural ingredients  |                                   | Artificial sweeteners and fillers  |
| 90 second absorption   |                                   | Liposomal ingredients are not stable and start to oxidise before absorption                        |
| Dairy free   |                                   | Contain dairy  |




| Turmeric Curcumin                          | HINNAO <sup>®</sup><br>TECHNOLOGY | Other Supplements   |
|--|-----------------------------------|---|
| Great taste stevia and natural flavours    |                                   | Poor taste aspartame, sucralose, sunflower oil                              |
| High quality ingredients                   |                                   | Low quality ingredients   |
| High bioavailability vs standard liposomal |                                   | Poor absorption   |
| Instant absorption via mucus membrane      |                                   | Gut barrier absorption  |
| Value for money 1200 mg per bottle         |                                   | Higher dose needed due to poor absorption                                   |
| Premium glass bottle, sublingual drops     |                                   | Capsules or plastic bottles   |
| Natural ingredients                        |                                   | Artificial sweeteners and fillers   |
| 90 second absorption                       |                                   | Liposomal ingredients are not stable and start to oxidise before absorption |
| Dairy free                                 |                                   | Contain dairy   |

## Product Comparison Charts



| Vitamin D <sup>3</sup> +K <sup>2</sup>     | HINNAO <sup>®</sup><br>TECHNOLOGY | Other Supplements   |
|--|-----------------------------------|---|
| Great taste stevia and natural flavours    |                                   | Poor taste aspartame, sucralose, sunflower oil                              |
| High quality ingredients                   |                                   | Low quality ingredients   |
| High bioavailability vs standard liposomal |                                   | Poor absorption   |
| Instant absorption via mucus membrane      |                                   | Gut barrier absorption  |
| High strength 4000 iu                      |                                   | Low absorption inconsistent dosing  |
| Premium glass bottle, sublingual drops     |                                   | Capsules or plastic bottles   |
| Natural ingredients                        |                                   | Artificial sweeteners and fillers   |
| 90 second absorption                       |                                   | Liposomal ingredients are not stable and start to oxidise before absorption |
| Dairy free                                 |                                   | Contain dairy   |



At HINNAO® we believe that bioavailability matters. Using our proprietary technology, we have increased the absorption of nutrients your body needs, helping you reach your potential.





# HINNAO<sup>®</sup>

TECHNOLOGY



0203 835 5855

[WWW.HINNAO.COM](http://WWW.HINNAO.COM)

[info@hinnao.com](mailto:info@hinnao.com)