



## Phosphatidyl Serine 70% from Sunflower



NutriPS™ is a high-purity 70% Phosphatidyl Serine (PS) from Sunflower that is Soy-Free and Non-GMO. PS is a premier cognitive dietary ingredient and nootropic for brain health. PS has been shown to help maintain and restore memory and mental performance. In addition, PS helps improve stress management and improves athletic performance through muscle protein synthesis, recovery support, and reduction of soreness after exercise. NutriPS™ is produced under GMP conditions through an enzymatic process and not by chemical synthesis.

### Features & Benefits

NutriPS™ contains a minimum of 70% Phosphatidyl Serine, derived from Sunflower

Free of pesticides, tested in Germany to European Standards

Clean Labeling - non-GMO, allergen-free and soy-free

NutriPS™ is a fine powder, suitable for use in capsules, tablets, sachets, gummies and more

Other grades of NutriPS™ (50%, 60%) and soy based NutriPS™ are also available

### Mechanism of Action

PS is a signaling phospholipid that crosses the blood-brain barrier. Multiple mechanisms of action have been determined, including enzyme activation, brain wave activation, and cortisol reduction.

### Clinical Studies & Science

Many clinical studies have demonstrated cognition, stress and performance improvements using PS. PS has been studied in over 50 clinical studies, with nearly half of them being randomized double-blind placebo controlled studies. Studies have lasted from short periods of time to up to 6 months or more at doses of 100 – 800 mg/day. The predominant studies were at doses of 300 mg/day for 3 months, with doses at 100 mg/day being also effective for cognitive performance.



## Product Characteristics and Formulating with NutriPS™

NutriPS™ is a light yellow-brown powder. It can be formulated into capsules, tablets, sachets, gummies, etc. The recommended dose is 100 – 300 mg/day. NutriPS™ has a 3-year shelf life.

### Applications

Dietary Supplements

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Functional Foods

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Animal Health

### Structure/Function Claims

There are multiple structure-function claims available for NutriPS™ covering:

Cognitive and Brain Health

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Stress Management

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Athletic Performance

These claims cover adults, children, and the elderly. In addition, the FDA allows qualified health claims “Phosphatidyl Serine may reduce the risk of dementia and cognitive dysfunction in the elderly”. There are limitations associated with these qualified claims.

### Certifications & Quality Assurance

Allergen-Free

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Vegan

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Soy-Free

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Non-GMO

### Source & Label Transparency

NutriPS™ is derived from sunflower lecithin. It can be labeled as “NutriPS™ Phosphatidyl Serine” or “NutriPS™ Phosphatidyl Serine (from sunflower)”.

### Safety & Regulatory

NutriPS™ is self-affirmed GRAS. NutriPS™ also meets regulatory requirements for use in the EU, Canada, Japan, South Korea, and many other countries in Asia, the middle East, and South America.



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