



Technical Data Sheet

300709

Chemi Nutra Current Patent Position On Phosphatidylserine (PS)

Background

SerinAid® Phosphatidylserine (PS) And History

In 1994 Chemi S.p.A., the parent company of Chemi Nutra, first became involved in the rapidly growing US nutrition marketplace by introducing PS, the popular dietary supplement ingredient used to maintain and improve mental performance, reduce stress, improve exercise performance, and promote healthy aging. Chemi began manufacturing PS in 1994, after developing an original, proprietary, method of preparation involving soy lecithin as the starting material. Accordingly, a number of patents have been filed internationally that address the proprietary methods used in production of PS as well as several specific uses for PS. In particular, the introduction of a solvent-free, water based process, as well as the development of an original purification procedure that addresses quality, represented major industrial innovations currently covered by a number of patents owned by Chemi.

US And European Patents On Phosphatidylserine (PS) Manufacture And Purification

Chemi is confident of both the strength and breadth of its intellectual property (IP) protection in the field of PS manufacturing and purification, as well as PS use, and is currently involved in legal actions to defend these IP rights. Although these legal actions are ongoing, the collective opinions of the IP experts appointed by the courts are clearly favorable to Chemi's position, and the company is confident of positive outcomes in the future.

Considerations For Chemi PS Vs. Alternative Sourced PS

As the global leader in the manufacture of PS, Chemi provides a wide range of high quality PS products at competitive pricing. Nevertheless, there will likely be some nutritional supplement and functional foods manufacturers and marketers who decide to purchase PS from companies other than Chemi Nutra. Should this be the case, Chemi highly recommends that a thorough investigation be made by the purchaser, to ensure that the PS they purchase is not manufactured using methods that infringe on Chemi's patented methods, nor does this alternative PS infringe on Chemi's use patents.

Chemi Nutra

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Chemi's PS Patent Portfolio

The following is a list of patents owned by Chemi that relate to the manufacture and use of PS. Complete copies of individual patents and a list of applicable countries where the patents have been granted can be provided upon request.

Patent Description	US Patent Number
Process Patent: Process for the industrial preparation of phosphatidylserine.	USP 5,700,668 (December 8, 1995)
Process Patent: Process for the preparation of phosphatidylserine.	USP 6,492,146 (April 18, 2000)
Process Patent: Purifying process for phosphatidylserine.	USP 6,645,742 (October 18, 2001)
Use Patent: Use of PS and anti-catabolic, cortisol suppressing qualities for lean muscle development and optimized conditioning.	USP 6,673,378 (January 6, 2004)
Use Patent Application: Use of PS to increase testosterone levels	USP 20090143339 (June 4, 2009)

Chemi Nutra shares in the ongoing concerns of safety, regulatory compliance, and environmental integrity, and remains committed to the responsible sharing of information related to these issues.