



TECHNICAL DATA SHEET

1. Product Name

Polyunsaturated Phosphatidylcholine (PPC)

Synonyms

Polyunsaturated Lecithin; Polyunsaturated Phosphatidyl Choline

2. Description

Polyunsaturated Phosphatidylcholine (PPC) is a highly purified phospholipid enriched in polyunsaturated fatty acid chains. It is widely used in pharmaceutical, nutraceutical, and biochemical applications due to its excellent emulsifying properties and biological compatibility.

3. Chemical Information

Chemical Name: Polyunsaturated Phosphatidylcholine

Molecular Formula: Variable (phospholipid mixture)

CAS No.: 97281-47-5 (commonly referenced)

Appearance: Light yellow to yellow powder or waxy solid

4. Typical Specifications

Item	Specification
Phosphatidylcholine (PC)	≥ 70.0%
Polyunsaturated Fatty Acids	≥ 50.0%
Loss on Drying	≤ 2.0%
Acid Value	≤ 35 mg KOH/g
Peroxide Value	≤ 5.0 meq/kg
Heavy Metals	≤ 10 ppm
Arsenic (As)	≤ 2 ppm

5.Solubility

Soluble in ethanol, chloroform, and other organic solvents; insoluble in water.

6.Applications

Pharmaceutical excipient

Liver-protection formulations

Nutritional supplement

Liposome and drug delivery systems

7.Storage & Handling

Store in a cool, dry place, protected from light and heat. Keep container tightly closed.

8.Shelf Life

24 months from the date of manufacture under recommended storage conditions.