



TECHNICAL DATA SHEET

1. Product Identification

Product Name: Phosphatidylcholine PC60

Chemical Name: Phosphatidylcholine

CAS Number: 8002-43-5

Source: Natural lecithin (typically soy-derived)

Grade: Food / Nutraceutical Grade

2. Product Description

Phosphatidylcholine PC60 is a high-purity phospholipid product containing approximately 60% phosphatidylcholine.

It is widely used as a natural emulsifier, functional ingredient, and delivery carrier in food, nutraceutical, and pharmaceutical formulations.

Due to its amphiphilic molecular structure, PC60 improves emulsification, dispersion, and the bioavailability of fat-soluble active ingredients.

3. Chemical & Physical Properties

Property	Typical Value	Unit
Appearance	Light yellow to off-white powder or granules	—
Odor	Mild, characteristic	—
Solubility	Dispersible in water; soluble in oils	—
pH (10% dispersion)	6.0 – 8.0	—
Moisture	≤ 5.0	%
Acid Value	≤ 35	mg KOH/g
Peroxide Value	≤ 10	meq/kg
Bulk Density	0.3 – 0.6	g/cm ³

4. Specifications

Item	Specification
Phosphatidylcholine Content	≥ 60.0 %
Total Phospholipids	≥ 95.0 %
Acetone Insolubles	≥ 95.0 %
Hexane Insolubles	≤ 0.3 %
Heavy Metals (as Pb)	≤ 10 ppm
Arsenic (As)	≤ 3 ppm
Particle Size	Customized upon request

5. Applications

Phosphatidylcholine PC60 is commonly used in the following areas:

- Food and beverage formulations as an emulsifier and stabilizer
- Nutraceutical and dietary supplement products as a source of phospholipids and choline
- Pharmaceutical formulations as an excipient or carrier
- Liposomes and lipid-based delivery systems to enhance absorption

6. Advantages

- High phosphatidylcholine content (PC60)
- Natural origin, suitable for clean-label formulations
- Excellent emulsifying and dispersing properties
- Improves stability and bioavailability of active ingredients
- Compatible with food, nutraceutical, and pharmaceutical systems

7. Packaging & Storage

Packaging:

20 kg or 25 kg fiber drum, or kraft paper bag with inner PE liner. Customized packaging is available upon request.

Storage:

Store in a cool, dry, and well-ventilated place. Protect from heat, light, and moisture.

Shelf Life:
24 months in unopened original packaging.

8. Regulatory & Documentation

Phosphatidylcholine PC60 is suitable for food and nutraceutical applications, subject to local regulatory requirements.

Technical documents including TDS, COA, and MSDS are available upon request.