



## 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 <sup>3</sup>

## 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

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## 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
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## 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
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## 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.

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## **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.