



TECHNICAL DATA SHEET

Product Name: Phosphatidylcholine (PC)

Synonyms: Lecithin 90%, Soy Phosphatidylcholine

CAS Number: 8002-43-5

Molecular Formula: C₄₂H₈₂NO₈P

Product Description:

Phosphatidylcholine (PC) is a natural phospholipid extracted from soybean lecithin. It appears as a fine, light yellow powder with a characteristic odor. This product is commonly used as a food additive, nutritional supplement, or pharmaceutical ingredient.

Chemical & Physical Properties:

Appearance: Fine light yellow powder

Odor: Characteristic

Solubility: Soluble in ethanol, slightly soluble in water

Density: 1.06 g/cm³

Melting Point: 52–55°C

Specifications:

Parameter	Specification
PC content	≥90%
Moisture	≤3%
Acid value	≤5 mg KOH/g
Peroxide value	≤5 meq/kg
Heavy Metals	≤10 ppm

Applications:

Nutritional supplements (capsules, softgels)

Functional foods and beverages

Pharmaceutical formulations (lipid emulsions, liver support products)

Advantages:

High PC content ($\geq 90\%$)

Light yellow powder, easy to handle and incorporate

Non-GMO soybean source available

Packaging & Storage:

Packed in 25kg/drum or as per customer request

Store in cool, dry place, avoid direct sunlight

Shelf life: 24 months

Regulatory Status:

Food grade: GRAS (Generally Recognized As Safe)

Complies with USP / EP / JP standards for phosphatidylcholine