



TECHNICAL DATA SHEET

Product Name: **Phospholipids (Lecithin)**

1. Product Description

Phospholipids are a group of naturally occurring compounds widely used in food, nutrition, pharmaceutical, and cosmetic applications. This product is a **high-purity phospholipid concentrate**, characterized by a **high phosphatidylcholine (PC) content** and **excellent emulsifying properties**. The product is manufactured under strict quality control to ensure stable composition, high purity, and reliable performance in various formulations.

2. Chemical Information

Item	Description
Product Name	Phospholipids
Synonyms	Lecithin, Phospholipid Concentrate
Main Components	Phosphatidylcholine (PC), Phosphatidylethanolamine (PE), Phosphatidylinositol (PI), Phosphatidic Acid (PA)
Appearance	Light yellow to brownish powder or viscous liquid
Odor	Characteristic, mild
Solubility	Insoluble in water, soluble in oils and organic solvents

3. Typical Specifications

Parameter	Specification
Total Phospholipids	≥ 95.0%
Phosphatidylcholine (PC)	≥ 20.0%
Moisture	≤ 2.0%
Acid Value	≤ 36 mg KOH/g
Peroxide Value	≤ 10 meq/kg
Hexane Insoluble Matter	≤ 0.3%
Heavy Metals (as Pb)	≤ 10 ppm
Arsenic (As)	≤ 3 ppm
Lead (Pb)	≤ 2 ppm

Note: Specifications can be adjusted according to customer requirements.

4. Functional Properties

Excellent **emulsifying and dispersing ability**
Improves **stability of oil–water systems**
Enhances **bioavailability of nutrients**
Supports **cell membrane structure and function**
Suitable for both **food and nutraceutical formulations**

5. Applications

Food emulsifiers (chocolate, bakery, margarine, dairy products)
Nutritional supplements and functional foods
Dietary phospholipid and choline sources

Pharmaceutical and health care products
Cosmetic and personal care formulations

6. Packaging

5kg/bag, 20 kg/carton
Customized packaging available upon request

7. Storage and Shelf Life

Store in a cool, dry place away from light and heat
Keep container tightly closed
Shelf life: **24 months** under recommended storage conditions

8. Regulatory Status

Complies with applicable food-grade standards
Non-GMO (if required)
Suitable for food and dietary supplement use (subject to local regulations)

9. Disclaimer

The information provided in this Technical Data Sheet is based on our current knowledge and experience. It is the responsibility of the customer to determine the suitability of the product for their specific application.

Lecithin



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