



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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