



## TECHNICAL DATA SHEET

**Product Name:** Soy Lecithin

**CAS Number:** 8002-43-5

**Form:** Powder / Granules

**Appearance:** White to light yellow

**Odor / Taste:** Mild, characteristic

### 1. Product Description

Soy Lecithin is a natural phospholipid extracted from soybean. It is widely used as an emulsifier, stabilizer, and dispersing agent in food and nutritional products. Available in powder or granule forms, it enhances texture, shelf life, and dispersibility.

### 2. Specification

Test Item	Standard	Test Result
Appearance	Powder / Granules	White / Light Yellow
Phospholipids (as P)	≥ 60 %	61.5 %
Moisture	≤ 1.5 %	1.2 %
Acid Value	≤ 35 mg KOH/g	32
Peroxide Value	≤ 10 meq/kg	8
Ash	≤ 0.5 %	0.3 %

<b>Test Item</b>	<b>Standard</b>	<b>Test Result</b>
Heavy Metals (as Pb) $\leq$ 10 ppm		< 5 ppm
Arsenic (As)	$\leq$ 3 ppm	< 1 ppm
Lead	$\leq$ 2 ppm	< 1 ppm
Microbial Count	$\leq$ 1000 cfu/g	< 100 cfu/g
Yeast & Mold	$\leq$ 100 cfu/g	< 10 cfu/g
E. coli	Negative	Negative
Salmonella	Negative	Negative

### **3. Applications**

- Food Industry: chocolate, bakery, margarine, beverages, emulsifier
- Nutritional Supplements: tablets, capsules, powders
- Industrial: dispersing agent in oils and other formulations

### **4. Storage and Handling**

- Store in a cool, dry, well-ventilated area.
- Keep container tightly closed; avoid moisture and high temperature.
- Use appropriate PPE when handling.

## 5. Safety Information

- **Hazard Classification:** Generally recognized as safe (GRAS) for food use; may cause mild irritation in concentrated powder form.
- **Precautions:** Avoid inhalation of dust; prevent skin or eye contact.
- **First Aid Measures:**
  - **Skin contact:** Wash with soap and water
  - **Eye contact:** Rinse with plenty of water
  - **Inhalation:** Move to fresh air
  - **Ingestion:** Rinse mouth; seek medical attention if necessary

## 6. Packaging

- Powder / Granules: 25 kg paper drum with polyethylene liner
- Custom packaging available upon request

## 7. Shelf Life

- 24 months under recommended storage conditions