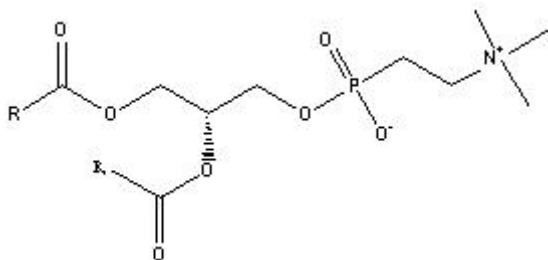


## TECHNICAL INFORMATION

Catalog Number: 102146, 160059

### Lecithin

#### Structure:



**Molecular Weight:** Approximately 760.09

**Synonym:** L-a-Phosphatidylcholine

**Physical Description:** Yellow-orange solid

**Source:** *Chicken Egg*

#### Typical Composition (based on purified product):

Acetone Insolubles:	Approximately 97%	Phosphatidylcholine:	Approximately 70%
Phosphatidylethanolamine:	Approximately 10%	Moisture:	Not more than 2%
Triglycerides:	Not more than 1%	Cholesterol:	Not more than 1%

#### Typical Analytical Data (based on purified product):

Peroxide value:	Not more than 5	Acid Value:	Not more than 20
Iodine Value:	68-75	Phosphorous:	Minimum 3%
Nitrogen:	1.7-2%	Fatty Acids (total):	57-61%
Saturated Fatty Acids:	38-44%	Palmitic Acid:	25-28%
Stearic Acid:	13-16%	Unsaturated Fatty Acids:	50-62%
Palmitoleic Acid:	2-4%	Oleic acid:	33-38%
Linoleic Acid:	14-18%	Linolenic Acid:	Approximately 1%
Arachidonic Acid:	Approximately 0.5%		

**Solubility:** Soluble in fat, paraffin, ether, ethanol, chlorinated hydrocarbons. Dispersible in water.

#### Availability:

Catalog Number	Description	Size
151540	Lecithin, from bovine heart. Supplied in ampoules containing 100 mg of choline plasmogen and phosphatidyl choline in a colorless chloroform:methanol solution	1 amp 5 amps
151541	Lecithin, from bovine spinal cord. Supplied in ampoules containing 100 mg bovine spinal cord lecithin in a colorless solution of methanol:chloroform	1 amp 5 amps
102146	Lecithin, from egg, semi-purified (purity approximately 60%)	25 g 100 g
160059	Lecithin, from egg, purified	100 mg 250 mg 500 mg 1 g 5 g
102147	Lecithin, from soybean, refined, oil removed	100 g 250 g 500 g 1 kg

102148	Lecithin, from soybean, oil not removed	1 lb 5 lb
151539	Lecithin, from soybean, water dispersable grade	25 g 100 g 250 g 500 g

**Reference:**

– *Merck Index*, **12th Ed.**, No. 5452.