

**Product Data Sheet**  
**Sunflower Lecithin (E322)**  
**phosphatidylcholine**

**Description**

**Sunflower Lecithin (E322)** is a liquid sunflower lecithin NON genetically modified compound with an enriched content of phosphatidylcholine, consist in a mixture of polar phospholipids- and glycolipids lipids and a small amount of carbohydrates, with a typical predominantly sunflower taste.

**Physical Characteristics:**

Parameter	Method	Typical
Odour	Organoleptic	Typical Predominantly Sunflower
Appearance	Visually	Viscous Liquid
Color	Visually	Golden yellow to Brown

**Specifications**

Chemical/physical

Parameter	Unit	Min	Max
Acetone Insolubles	%	50	--
Moisture	%	--	1,5
Hexane Insolubles	%	--	0,3
Toluene Insoluble	%	--	0,3
Peroxide Value	meq O <sub>2</sub> /kg	--	5
Acid Value	mg KOH/gm	--	35
Color Gardner (10% w/v Toluene Solution)		--	14
Viscosity at 25 Degree C	Poise	80	120
Total Phosphatidylcholine (PC+LPC)	%	20	--

Microbiological specifications

Parameter	Unit	Min	Max
Total plate count	CFU/g	--	1000
Yeast & Mould	CFU/g	--	100
Coliforms	In 1 g	Absent	--
Enterobacteriaceae	In 1 g	Absent	--
E. coli	In 1 g	Absent	--
Salmonella	in 375 g	Absent	--

#### Heavy Metals

Parameter	Unit	Min	Max
Lead	ppm	--	2
Cadmium	ppm	--	1
Arsenic	ppm	--	1
Mercury	ppm	--	0,1

#### Allergen information\*

Allergen	Presence
Cereals containing gluten	No
Crustaceans and products thereof	No
Eggs and products thereof	No
Fish and products thereof	No
Peanuts and products thereof	No
Soybeans and products thereof	No
Milk and products thereof	No
Nuts and products thereof	No
Celery and products thereof	No
Mustard and products thereof	No
Sesame seeds and products thereof	No
Sulphur dioxide and sulphites at concentrations of more than 10mg/Kg or 10mg/L expressed as SO <sub>2</sub>	No
Molluscs and products thereof	No
Lupins and products thereof	No

#### Residual Solvent:

Parameter	Typical
Ethanol (ppm)	Max. 5000

#### Pesticides:

Parameter	Typical
Pesticides	As per regulations

#### PAH 4:

Parameter	Typical
PAH 4	Benzo(a)pyrene < 2 ppb OR Sum PAH 4 < 10 ppb

#### Dioxins:

Parameter	Typical
Dioxins	As per regulations

#### Sum of Dioxins and Dioxin like PCB`s:

Parameter	Typical	Frequency
Sum of Dioxins and Dioxin like PCB`s	As per regulations	Annually

### Dioxin like PCB`s:

Parameter	Typical
Dioxin like PCB`s	As per regulations

### Non-Dioxin-like PCB`s:

Parameter	Typical
Non-Dioxin-like PCB`s (Sum of PCB 28, PCB 52, PCB 101, PCB 138, PC 153, PCB 180)	As per regulations

### Dietary information

INNO©-PCF 20 Sun is suitable and certified for Halal and kosher. The product is suitable also for vegetarians, vegans, lactose intolerance and coeliacs.

### Legal requirements

The product corresponds with E 322 (EC regulation) for food additive: lecithin.

Specific national legislation on the manufacture, the maximum amount (dosage) and the labelling of certain foods must be respected.

### Standard packaging

200 Kg & 240 Kg MS barrel, 200 Kg & 240 Kg HDPE barrel, IBC, ISO tanks and Flexi tank

### Storage conditions

Store in a cool dry place at equal or less than 25 Degree Celsius Temperature

Reclose packaging immediately after opening.

### Shelf Life:

18 Months from manufacturing date in unopened original packing at recommended storage condition

### Remark:

Due to its composition the product may occasionally separate. This does not influence the quality. Stirring at a slightly elevated temperature will re-homogenize the product

