

**PRODUCT DESCRIPTION**

UNILEC SF PC50 is pure Phosphatidyl Choline (50%) with minimum 97% phospholipids content, it is brown waxy solid derived from oil extraction of Sunflower seeds degumming. It is a highly purified form of PC with minimum PC of 50 %. It exists in Gel form Lecithin consist four Phospholipids- PC,PI,PE,PA, out of which PC is most important. SF PC50 is allergen free.

**PRODUCT APPLICATION**

UNILEC SF PC50 is natural product and used for pharmaceutical and nutraceutical applications. The benefits of lecithin are used throughout several industries from food, confectionery and cosmetics to pharma applications. Its mainly used in Encapsulation, formulations, synthesis of phospholipids , cosmetics, liposuction and skin treatment application.

**PRODUCT PHYSICAL & CHEMICAL ANALYSIS**

Parameter	Specification	Method of Analysis
Acetone Insoluble %	Min. 97%	AOCS Ja 4-46
Appearance	Brown Waxy Solid	Visual
Moisture %	Max 1 %	AOCS Ja 2b-37
Acid Value	Max 35 mgKOH/g	AOCS Ja 6-55
Colour	Brown	Visual
Peroxide Value	Max 5 meq O <sub>2</sub> /Kg	AOCS Ja 8-87
Toluene Insoluble	Max 0.3 %	AOCS Ja 3-87
Hexane Insoluble	Max 0.3 %	AOCS Ja 3-87
Heavy Metals ( Lead/Arsenic)	BDL	IS 5055

**PHOSPHOLIPID ANALYSIS**

Parameter	Specification	Method of Analysis
Phosphatidyl Choline (PC)	Min 50 %	31 PNMR Spectroscopy

**PRODUCT MICROBIOLOGICAL ANALYSIS**

Parameter	Specification	Method of Analysis
Total Plate Counts	Max 1000 cfu/g	ISO 4833
Enterobacteriaceae	< 10 cfu/g	ISO 21528-1
Coliforms	< 10 cfu/g	ISO 4832
E. Coli	Absent/g	ISO 16649
Yeast & Moulds	< 100 cfu/g	ISO 7954
Salmonellae	Absent/ 25g	ISO 6579

**REGULATIONS**

UNILEC SF PC50 conforms to EU regulations 1829/2003 and 1830/2003 free from GMO-declaration and conforms Commission Regulation (EU) No 231/2012 of 9 March 2012( E322) & Codex Alimentarius Lecithin (322(i) .

**SHELF LIFE**

UNILEC SF PC50 has minimum 18 months from the date of manufacture if retained at cool dry place in original packing away from direct sunlight, moisture and air .

Recommended Storage at cool temperature (<15 °C) .

**PACKAGING**

1 Kg, 5 Kg, 20 Kg , Primary – Aluminium bags with inert Gas, Secondary corrugated box , HDPE Carboys.