

PRODUCT DESCRIPTION

UNILEC PC50 is pure Phosphatidyl Choline (50%) with minimum 97% phospholipids content, it is brown waxy solid derived from oil extraction of Soya seeds degumming.

PRODUCT APPLICATION

UNILEC 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.

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 30 mgKOH/g	AOCS Ja 6-55
Colour	Brown	Visual
Peroxide Value	Max 5 meq O ₂ /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
Phosphatidyl Inositol (PI)	Max 3 %	31 PNMR Spectroscopy
Phosphatidyl Ethanolamine(PE)	Min 10 %	31 PNMR Spectroscopy
Phosphatic Acid (PA)	Max 3 %	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 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 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.