

PRODUCT DESCRIPTION

UNILEC PC90 is pure Phosphatidyl Choline (90%) with minimum 98% phospholipids content, it is brown waxy solid derived from oil extraction of Soya seeds degumming.

PRODUCT APPLICATION

UNILEC PC90 is natural product and used for pharmaceutical and nutraceutical applications. Emulsifier for enteric & parental formulations (emulsions & Fat infusion). Raw material for liposome, micro emulsions and micelles.

PRODUCT PHYSICAL & CHEMICAL ANALYSIS

Parameter	Specification	Method of Analysis
Acetone Insoluble %	Min. 98%	AOCS Ja 4-46
Appearance	Yellow to Brown Waxy Solid	Visual
Odour	Natural flavour and odour	Organoleptic
Moisture %	Max 1 %	AOCS Ja 2b-37
Acid Value	Max 5 mgKOH/g	AOCS Ja 6-55
Peroxide Value	Max 10 meq O2/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)	Max 10ppm	IS 5055

PHOSPHOLIPID ANALYSIS

Parameter	Specification	Method of Analysis
Phosphatidyl Choline (PC)	Min 90 %	31 PNMR Spectroscopy
Lyso Phosphatidyl Choline	Max 5 %	31 PNMR Spectroscopy
Phosphorous	Max 5 %	31 PNMR Spectroscopy

PRODUCT MICROBIOLOGOCAL ANALYSIS

Parameter	Specification	Method of Analysis
Total Plate Counts	Max 100 cfu/g	ISO 4833
Bacterial Endotoxins	Max 6EU/g	ISO 21528-1
Coliforms	Absent/g	ISO 5887
Yeast & Moulds	10 cfu/g	ISO 5403:1999
Salmonellae	Absent/ 25g	ISO 6579

REGULATIONS

UNILEC PC90 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 PC90 has minimum 18 months from the date of manufacture if retained in original packing at a temperature below 0° C and humidity (RH) below 60% in a clean infestation free place.

Storage at -20° C without exposure to light is recommended for improved shelf life.

Reclose container immediately after opening the packaging, store at -20° C and use within one week.

PACKAGING

1 Kg. 5 Kg, 20 Kg in laminated , sealed Aluminium bags with inert Gas.

These values are typical, seasonal deviations may occur.

All recommendations as well as formulations made herein are based on data believed to be reliable.