

Name Of Document	Specification of AmiLife® Sunflower Phosphatidylcholine PC-20 % liquid			Doc No	AAPPL/SUN/PC-20/SPE/04B
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AmiLife® Sunflower Phosphatidyl Choline (PC) 20% Liquid

PRODUCT APPLICATION | FUNCTION

AmiLife® Sunflower Phosphatidylcholine (PC) 20% liquid is a purified fraction of liquid sunflower lecithin containing a minimum of 20% Phosphatidylcholine. It supports cell membrane structure, aids fat digestion by acting as part of the bile complex, and serves as a precursor to acetylcholine—vital for brain function, memory, and motor coordination. PC-20 also supports liver cell repair, helps manage cholesterol, and is widely used in soft gel encapsulation, ALPHA GPC synthesis, and cosmetic formulations due to its excellent emulsification and bioavailability properties.

PRODUCT PHYSICAL SPECIFICATION

Parameter	Specification	Test Method
Color	Amber	AAPPL/ SOP/02
Appearance	Semi Liquid/Viscous Syrup	AAPPL/ SOP/03
Odor	Typical Sunflower	AAPPL/ SOP/04
Taste/Flavor	Characteristics Of Sunflower	AAPPL/ SOP/06

PRODUCT TYPICAL/CHEMICAL SPECIFICATION

Moisture/Loss On Drying	1.50 % Max	IS 5055: 1996
Peroxide Value	10 Meq O ₂ /Kg Max	AOCS JA 8-87
Acid	35 mgKOH/g Max	AOCS JA 6-55
Hexane Insoluble	0.30% Max	AOCS JA 3-87
Gardner color	Max. 12 units	AOCS JA 9-87
Phosphatidylcholine (PC%)	Min. 20 %	HPLC UV
Viscosity at 25 C	Max. 120 Poise	AOCS JA 10-87

PRODUCT MICROBIOLOGICAL PARAMETERS

Total Plate count	Max. 1000 cfu/g	IS 5402
Salmonella	Absent / 25 gm	IS 5887 Part 3
E. Coli	Absent cfu/gm	IS 14397
Enterobacteriaceae	<10 cfu/gms	ISO 21528
Coliforms	<10 cfu/gms	IS 5401 Part 1&2
Yeast & Mould	Max. 100 cfu/gms	IS 5403

SHELF LIFE

Minimum shelf life of 24 months from the date of manufacture if retained in its original packing, away from direct sunlight, moisture, and air. Recommended storage is at ambient temperature (16–32°C).

PACKING

50 Kg, 200 KGS IMT- HDPE Bareel/IBC

