

AmiLife® Sunflower Hydrogenated Phosphatidylcholine (HSPC) 90% Powder

PRODUCT APPLICATION | FUNCTION

AmiLife® Sunflower Hydrogenated Phosphatidylcholine (HSPC) 90% Powder is primarily used in the synthesis of liposomes. It is also utilized in the preparation of small unilamellar vesicles (SUVs). L- α -Phosphatidylcholine, hydrogenated (sunflower) is widely used in liposome generation, particularly for the reconstitution of complement-active human plasma and for the encapsulation of drugs such as bupivacaine and dexamethasone.

PRODUCT PHYSICAL SPECIFICATION

Parameter	Specification	Test Method
Color	White - Light Yellow	AAPPL/SOP/02
Consistency	Powder, porous agglomerates	Visual
Identity (TLC)	Complies	TLC

PRODUCT TYPICAL/CHEMICAL SPECIFICATION

Parameter	Specification
Moisture /LOD	3 % (Max)
Peroxide Value	5 Meqo2/Kg (Max)
Acid Value	10 Mg KOH /gms (Max)
Insoluble Impurities	0.30 % Max
Iodine Value	3 % Max.
Hydrogenated Phosphatidylcholine (HSPC)	90 % Max.

PRODUCT MICROBIOLOGICAL PARAMETERS

Total Plate count	Max. 1000 cfu/g
Salmonella	Negative / 25 gm
E. Coli	Absent cfu/g
Enterobacteriaceae	<10 cfu/g
Coliforms	<10 cfu/g
Yeast &Mould	Max. 100 cfu/g

SHELF LIFE

Minimum shelf life of 24 months from the date of manufacture when stored in its unopened original packing at a temperature of 2-4°C for optimal shelf life.

PACKING

Packing sizes of 1 Kg, 5 Kg, and 10 Kg. It is packed with an inner LDPE liner and an outer aluminum foil. The packing is placed in a suitable container with dry ice.