Phosphatidylserine

$C_{42}H_{82}NO_{10}P$ · CAS 51446-62-9 · Soy-derived phosphatidylserine 50% powder

CATALOG TDS — CONFIRMED IN WRITING AT QUOTATION

CHEMICAL FORM	FORMULA	CAS	PRIMARY ASSAY
Soy-derived phosphatidylserine 50% powder	$C_{42}H_{82}NO_{10}P$	51446-62-9	50.0–55.0% (HPLC-ELSD)
METHOD	**MINIMUM ORDER**	**LEAD TIME**	**STANDARD PACK**
HPLC-ELSD	1 kg	1–7 days	1 kg foil pouch · 25 kg fiber drum

DESCRIPTION

Soy-derived phosphatidylserine specified at 50.0–55.0% by HPLC-ELSD, with peroxide value and acid value on the specification, for capsules and powder blends where the phospholipid profile matters.

SPECIFICATION

PARAMETER	SPECIFICATION	METHOD / NOTE
Phosphatidylserine	50.0–55.0% (HPLC-ELSD)	As stated
Appearance	Light yellow to yellow powder	As stated
Identification	HPLC-ELSD profile conforms	As stated
Loss on drying	≤5.0%	As stated
Peroxide value	≤10 meq/kg	As stated
Acid value	Reported	As stated
Heavy metals	Pb ≤3 · As ≤2 · Cd ≤1 · Hg ≤0.1 mg/kg	As stated
Microbiology	APC ≤1,000 cfu/g · yeast and mould ≤100 cfu/g · E. coli and Salmonella absent	As stated
Particle size	≥95% through 80 mesh	As stated
Source	Soybean lecithin	As stated
Marker set	Phosphatidylserine (50.0–55.0%, HPLC-ELSD)	Identity
Solubility	Dispersible in water; not a clear solution. Soluble in chloroform and other non-polar solvents.	Matrix dependent

APPLICATIONS

- Capsules and tablets
- Powder sticks and drink mixes

AVAILABLE FORMS

- 50% powder, 80 mesh
- 20% or 70% on request

- Gummies and chews
- Granulated on request

PACKING

- 1 kg foil pouch
- 25 kg fiber drum

STORAGE

Store in a cool, dry, well-ventilated area, away from direct sunlight and moisture. Keep the pack closed after sampling. The lot-specific retest date is shown on the batch COA.

DOCUMENTATION RELEASED WITH EACH LOT

- Batch-specific certificate of analysis
- Technical data sheet and safety data sheet
- Allergen, GMO, origin and residual-solvent statements
- Third-party reports on request

Catalog document. This TDS describes the grade we can quote. The final specification, pack and documentation are confirmed in writing before the order. It is not a batch COA and does not report a result for a specific lot.

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