KEEP INGREDIENTS CO. LTD

No. 2019, Unit 1, Building 10, Yuexiucheng Phase 1,
Guodu Xuefu Street, Chang'an District, Xi'an, Shaanxi,
710119, China

01 / PRODUCT PROFILE & TECHNICAL DATA SHEET

Water-Soluble Soy Phosphatidylserine 50%

Soy lecithin-derived phosphatidylserine powder

Water-Soluble Soy Phosphatidylserine (PS) 50% is a soybean-derived powdered raw material. The manufacturing process uses soy lecithin, phospholipase, L-serine and reverse-osmosis (RO) water in an enzymatic conversion process, followed by purification, vacuum drying, crushing and sieving.

Phosphatidylserine content: 50% (dry basis). Lot KYPS2026051601: phosphatidylserine 51.3% (dry basis); moisture 1.0 g/100 g; peroxide value 0 meq/kg.

Product attribute	Product information
Product name	Water-Soluble Soy Phosphatidylserine 50%
Source material	Soy lecithin
Physical form	Powder
Specified color	Light yellow to brownish yellow
Batch color	Light yellow
PS content specification	50% (dry basis)
Manufacturing route	Enzymatic catalysis; purification; vacuum drying
Screening step	60-mesh sieving (manufacturing process step)
Shelf life	2 years
Supplier	KEEP INGREDIENTS CO. LTD

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02 / PRODUCT SPECIFICATION

Specification Sheet

Parameter	Specification / requirement
Color	Light yellow to brownish yellow
Flavor and odor	Characteristic aroma and taste; no off-odor
Appearance	Powder
Visible foreign matter	No visible extraneous foreign matter
Moisture (g/100 g)	≤2.0
Phosphatidylserine (dry basis)	50%
Peroxide value (meq/kg)	≤10.0
Net content and permissible shortage	Complies with provisions
Total plate count (CFU/g)	≤1.0 × 10
Coliforms (MPN/g)	≤0.3

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03 / BATCH ANALYTICAL RECORD

Certificate of Analysis

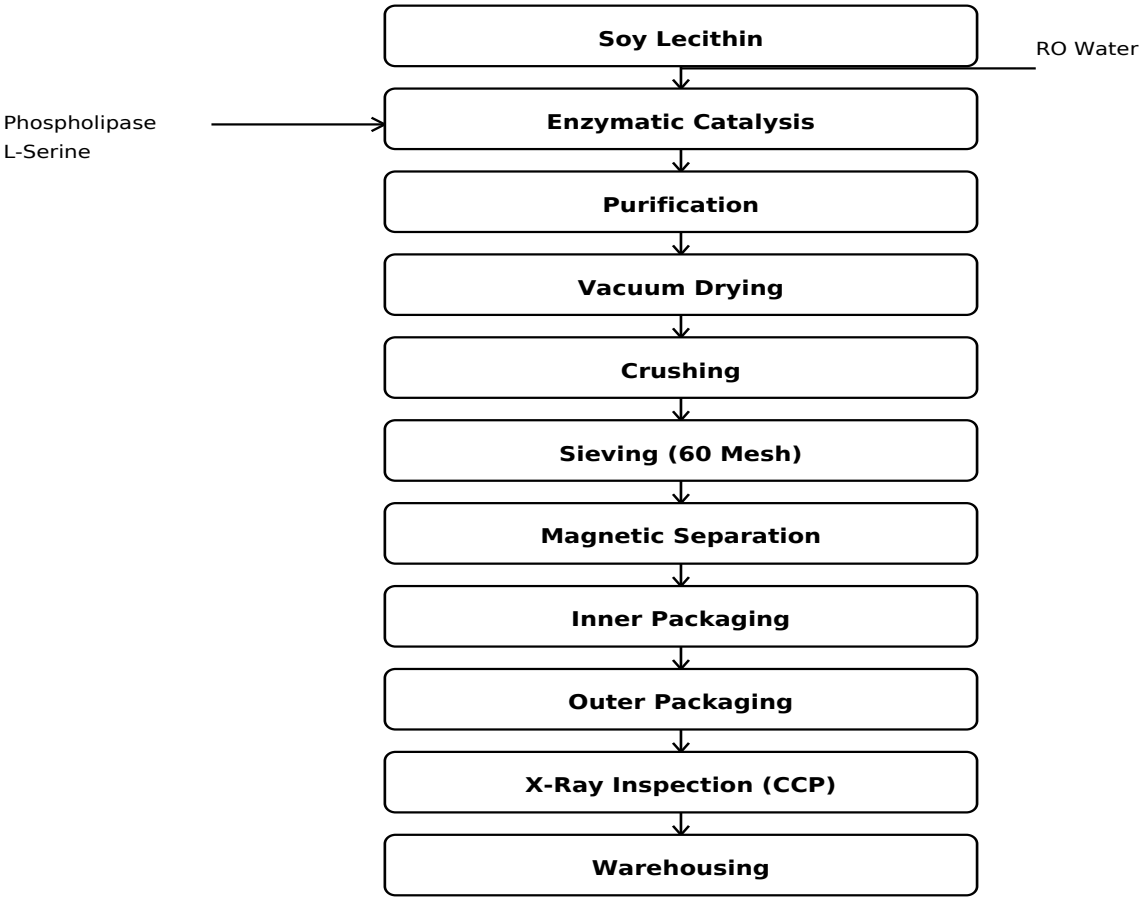
Batch field	Recorded information
Product name	Soybean Phosphatidylserine
Material category	Raw material
Lot number	KYPS2026051601
Manufacture date	16 May 2026
Test date	16 May 2026
Report date	21 May 2026
Shelf life	2 years
Test department	Raw material workshop

Test parameter	Specification	Reported result
Color	Light yellow to brownish yellow	Light yellow
Flavor and odor	Characteristic aroma and taste; no off-odor	Characteristic aroma and taste; no off-odor
Appearance	Powder	Powder
Visible foreign matter	No visible extraneous foreign matter	None visible
Moisture (g/100 g)	≤2.0	1.0
PS content (dry basis)	50%	51.3%
Peroxide value (meq/kg)	≤10.0	0
Net content / permissible shortage	Complies with provisions	Complies with provisions
Total plate count (CFU/g)	≤1.0 × 10	<10
Coliforms (MPN/g)	≤0.3	Not detected

Disposition: all listed test items are qualified. Analyst: HOU DIANYUN. Reviewer: DING PANPAN.

04 / MANUFACTURING PROCESS

Process Flow & Controls



Process control details

Control / area	Control details
Magnetic separator	Magnetic strength test: ≥9,000 Gauss
X-ray inspection	Critical Control Point (CCP)
X-ray reference objects	Stainless steel sphere: Ø0.8 mm; stainless steel wire: Ø1 × 2 mm; glass sphere: Ø2.5 mm; ceramic sphere: Ø2.0 mm
Clean area	Class D Clean Area

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SOURCE MATERIAL STATEMENT

Product Name: Water-Soluble Soy Phosphatidylserine 50%

We hereby confirm that the Water-Soluble Soy Phosphatidylserine 50% is manufactured from soy lecithin. The manufacturing process uses phospholipase, L-serine and RO water for enzymatic catalysis, followed by purification, vacuum drying, crushing and sieving.

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Date: 2026.09.22

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ALLERGEN STATEMENT

Product Name: Water-Soluble Soy Phosphatidylserine 50%

We hereby confirm that Water-Soluble Soy Phosphatidylserine 50% is a soy-derived ingredient. Soy lecithin is used as the starting material in its manufacturing process.

KEEP INGREDIENTS CO. LTD



Date: 2026.09.22

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MICROBIOLOGICAL STATEMENT

Product Name: Water-Soluble Soy Phosphatidylserine 50%

Lot No.: KYPS2026051601

We hereby confirm that lot KYPS2026051601 complies with the microbiological specifications listed below.

Test item	Specification	Result
Total plate count (CFU/g)	≤1.0 × 10	<10
Coliforms (MPN/g)	≤0.3	Not detected

Test date: 2026.05.16
Report date: 2026.05.21

KEEP INGREDIENTS CO. LTD

Date: 2026.09.22

08 / AQUEOUS SOLUTION

1 mg/mL PS Aqueous Solution

