



Technical Data Sheet (TDS)

Ref No: 26-HY50-TDS

Enzymatically Hydrolyzed Soy Lecithin LeciOIL™ Hy50

Description

LeciOIL™ Hy50 is a strongly enzymatically hydrolyzed soy lecithin liquid with a high lysophospholipid content, developed for applications requiring efficient emulsification, improved dispersibility, and enhanced interfacial activity.

Through controlled enzymatic hydrolysis, a substantial fraction of native phospholipids is converted into lysophospholipid species (such as LPC, LPE, LPA and LPI). This compositional shift leads to a reduced molecular weight distribution, increased hydrophilicity, and significantly improved surface activity compared with conventional soy lecithin.

Features:

- ❖ High content of lysophospholipid, providing strong emulsifying power
- ❖ Excellent water dispersibility and rapid hydration
- ❖ Effective stabilization of oil-in-water systems, even at low dosage
- ❖ Consistent performance across a wide pH range

Typical Applications

- ✓ Beverage and liquid food systems
- ✓ Flavor, aroma and terpene emulsions
- ✓ Nutraceutical and functional formulations
- ✓ Agricultural and industrial emulsifier systems

GMO Status:

This product is made from genetically modified soybeans and can reach an undetectable level of endogenous genes, with a detection limit of 0.1% (LOD).

Specifications

Parameter	Value
Appearance	Amber to brown liquid
Odor	Characteristic mild
Acetone insoluble	50% min
Phospholipid content (PL)	40% min
Lysophospholipid (LPL)	30% min
Moisture	≤2.0%
Acid value	≤65 mg KOH/g
Peroxide value	≤10 meq O ₂ /kg
Solubility	Dispersible in water and oils

pH (10% aqueous solution)	5.0–7.0
Viscosity (CPS 25°C)	12000 max
Heavy metals (pb)	10 ppm max
Arsenic	3 ppm max

Packing

- ✓ 200KG Iron drums
- ✓ 1000KGS IBC drums

Label

Main composition: Lecithin 50%.

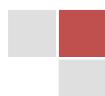
Storage

Stored in the dry and cool place temperature should be below 35 °C, away from moisture and sunlight.

Once the package is opened, please use it up in short time.

Self-life

24 months in the original packages



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Warranty: This specification herein is offered as a guide and is believed to be accurate as of the date of issue. The values given are not to be considered as a warranty and they are subject to change without prior notice. For final contract specification regarding our products, please re-confirm with Technical Team or given by our sales.