

Certificate of Analysis

Expiry Date: Mar 05, 2028
Manufacture Date: Mar 06, 2025

Product Name	Sunflower Lecithin	Batch Number	20250306
Latin Name	<i>Helianthus annuus L</i>	Quantity	200 kg
Plant Part Used	Seeds(Dry, 100% Natural)	Country of Origin	China

Analysis Items	Specifications	Results	Test Methods
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Physical and Chemical			
Loss on Drying	≤ 2.0%	1.05%	GB 5009.3
Residue on ignition	≤ 0.5%	0.1%	GB 5009.4
Acetone Insoluble	≥ 60%	96.45%	GB28401
Hexane Insoluble	≤ 0.3%	0.16%	
Acid Value	≤ 36 mgKOH/g	21.39 mgKOH/g	
Peroxide Value	≤ 10 meq/g	2.80 meq/g	
Appearance	Yellow to Brown fine powder	Conforms	Visual
Odor&Taste	Characteristic	Conforms	Organoleptic
Contaminants			
Arsenic (As)	≤ 0.1 mg/kg	0.02 mg/kg	ICP-MS
Lead (Pb)	≤ 0.1 mg/kg	0.02 mg/kg	ICP-MS
Mercury (Hg)	≤ 0.1 mg/kg	0.01 mg/kg	ICP-MS
Cadmium(Cd)	≤ 0.1 mg/kg	0.02 mg/kg	ICP-MS
Residual Solvents	Meet Eur.Ph. <2.4.24>	Conforms	Eur.Ph. <2.4.24>
Pesticide Residue	Meet Eur.Ph. <2.8.13>	Conforms	Eur.Ph. <2.8.13>
Benzo(a)pyrene	≤ 10 ug/kg	Conforms	Eu. Reg 1881
Sum of B(a)P, B(a)A, B(b)F, & Chrysene	≤ 50 ug/kg	Conforms	Eu. Reg 2015

Microbiological			
Total plate count	≤ 1,000 cfu/g	Conforms	ISO 4833-1
Moulds & Yeasts	≤ 100 cfu/g	Conforms	ISO 21527-2
Escherichia coli	< 10 cfu/g	Conforms	ISO 16649-2
Salmonella	Not Detected/25g	Not Detected	ISO 6579-1
Bacillus cereus	< 10 cfu/g	< 10 cfu/g	ISO 7932:2004
Coagulase-positive staphylococci	< 10 cfu/g	< 10 cfu/g	ISO 6888-1
Irradiation status	Non irradiated, No ETO treated, Negative by PSL screen test.		
GMO/BSE Status	Non-GMO, Free of BSE.		

Package	Packed in a polyethylene lined corrugated package (N.W.: 5KG, 25KG), outside package is carton or fiber drum.
Storage	Stored in a well-closed container at cool temperature away from direct sunlight.
Shelf Life	3 years if sealed and stored under the recommended conditions.

Conclusion: This batch of Sunflower Lecithin meets the above specification.

Analyzed by: Muhammad Sesay

Checked by: 叶平

Approved by: 祝威

