

CERTIFICATE OF ANALYSIS

Product Name	Sunflower Seed Oil Powder		
Specification	50%		
Batch Number	20230418	Manufacture Date	20230418
Report Date	20230418	Expiry Date	20250417

Item of Analysis	Specification	Results	Test Methods
Appearance	White to almost white or yellow free- flowing powder	Conforms	Visual
Analytical Quality			
Loss on Drying	≤5.0%	2.75%	USP<731>
Bulk Density	0.30g/mL-0.55g/mL	0.41g/mL	USP<616>
Particle Size	≥90% through 40 mesh	96.58%	USP<786>
Total Fat	≥50.0%	50.78%	Acidic Hydrolysis
Assay			
Oleic Acid(in fat)	14.0%-39.4%	32.27%	GC
Linoleic Acid (in fat)	48.3%-74.0%	56.61%	GC
Linolenic Acid (in fat)	ND-0.3%	0.18%	GC
Contaminants			
Lead (Pb)	≤1ppm	Certified	GF-AAS
Arsenic (As)	≤1ppm	Certified	HG-AAS
Cadmium (Cd)	≤1ppm	Certified	GF-AAS
Mercury (Hg)	≤0.1ppm	Certified	HG-AAS
Microbiological Tests			
Total Aerobic Microbial Count	≤1000cfu/g	60cfu/g	USP<61>
Total Moulds and Yeasts Count	≤100cfu/g	<10cfu/g	USP<61>
Enterobacterial	≤10cfu/g	<10cfu/g	USP<62>
*Salmonella	Negative/10g	Certified	USP<62>
*E.coli	Negative/10g	Certified	USP<62>
*Staphylococcus Aureus	Negative/10g	Certified	USP<62>
*Enterobacter Sakazakii	Negative/10g	Certified	ISO 22964

Storage: Store in tight, light-resistant containers, avoid exposure to direct sunlight, moisture and excessive heat.

Shelf Life: 24 months if store under the conditions above and stay in original packaging.

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