

## CERTIFICATE OF ANALYSIS

<b>Product Name</b>	Borage Oil Powder		
<b>Specification</b>	50%		
<b>Batch Number</b>	20230418	<b>Manufacture Date</b>	20230418
<b>Report Date</b>	20230418	<b>Expiry Date</b>	20250417

Item of Analysis	Specification	Results	Test Methods
Appearance	White to almost white or yellow free-flowing powder	Conforms	Visual
<b>Analytical Quality</b>			
Loss on Drying	≤5.0%	2.57%	USP<731>
Bulk Density	0.30g/mL-0.55g/mL	0.38g/mL	USP<616>
Particle Size	≥90% through 40 mesh	97.48%	USP<786>
Total Fat	≥50.0%	50.84%	Acidic Hydrolysis
Assay			
Oleic Acid(in fat)	12.0%-22.0%	21.61%	GC
Linoleic Acid (in fat)	30.0%-41.0%	36.57%	GC
γ-LinolenicAcid (in fat)	≥18.0%	18.45%	GC
<b>Contaminants</b>			
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
<b>Microbiological Tests</b>			
Total Aerobic Microbial Count	≤1000cfu/g	10cfu/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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