

CERTIFICATE OF ANALYSIS

Product Name	Phytosterol		
CAS no	83-46-5		
Batch Number	20240102	Manufacture Date	20240102
Report Date	20240102	Expiry Date	20260101

Item of Analysis	Specification	Results	Test Methods
Content of Brassicasterol 菜籽甾醇	≤5.0%	1.26%	GC
Content of Campesterol 菜油甾醇	≥15.0%	22.08%	GC
Content of Stigmasterol 豆甾醇	≥15.0%	24.52%	GC
Content of β-Sitosterol β-谷甾醇	≥40.0%	42.55%	GC
Total phytosterols 总甾醇	≥90%	90.41%	GC
Organoleptic			
Appearance	Powder	Conforms	Organoleptic
Color	White to off- white powder	Conforms	Organoleptic
Physical Characteristics			
Particle Size	100% pass 80 mesh	80MESH	CP2010
Loss on drying	5%NMT (%)	3.15%	USP<731>
Total ash	5%NMT (%)	2.59%	USP<561>
Melting Point	130-142°C	136.8°C	CP2010IA
Heavy metals			
Total Heavy Metals	10ppm Max	Conform	USP<231>method II
Lead (Pb)	2ppm NMT	Conform	ICP-MS
Cadmium (Cd)	2ppm NMT	Conform	ICP-MS
Mercury (Hg)	0.5ppm NMT	Conform	ICP-MS
Microbiological Tests			
Total Plate Count	10000cfu/g Max	Conform	USP<61>
Yeast & Mold	100cfu/g Max	Conform	USP<61>
E. Coli.	Negative	Conform	USP<61>
Salmonella	Negative	Conform	USP<61>
Staphylococcus	Negative	Conform	USP<61>

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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