



CERTIFICATE OF ANALYSIS

Product Name:	Spirulina Extract (Phycocyanin)	Plant Source:	.Spirulina
Batch No.:	CS20240221	Manufacture Date:	2024.02.25
Quantity:	500kg	Expired Date:	2026.02.24
Standard:	Enterprise Standard	Shelf life:	2years

Analysis Items	Specification	Result	Test Method
Ingredients	Phycocyanin (Spirulina extract) 20%-25%, Maltodextrin 75%-80%		
Appearance	Blue Fine Powder	Conforms	Visual
Smell	Characteristic	Conforms	Olfactory
Impurity	No Visible Impurity	Conforms	Visual
Particle Size	≥95% through 80 mesh	Conforms	Screening
Residue on Ignition	≤5g/100g	2.99g/100g	3g/550°C/4hrs
Loss on Drying	≤8g/100g	4.16g/100g	3g/105°C/2hrs
Total Protein Content	≥15%	18.54%	Kjeldahl method
Color Value	≥E6	6.93	UV(E1%618nm in distilled water)
Purity	≥1.5	1.61	UV(A620nm/A280nm)
pH	pH 5-7	Conforms	1g in distilled water100ml
Heavy Metals	≤10mg/kg	Conforms	/
Lead (Pb)	≤2.00mg/kg	Conforms	ICP-MS
Arsenic (As)	≤2.00mg/kg	Conforms	ICP-MS
Cadmium (Cd)	≤1.00mg/kg	Conforms	ICP-MS
Mercury (Hg)	≤0.5mg/kg	Conforms	ICP-MS
PAH(BaP+CHR+BaA+BbF)	≤40μg/k	Conforms	GC-MS(BaP+CHR+BaA+BbFA)
Benzo(a)pyrene	≤5μg/kg	Conforms	GC-MS
Total Plate Count	≤10000cfu/g	500cfu/g	AOAC 990.12
Total Yeast & Mold	≤100cfu/g	10cfu/g	AOAC 997.02
Coli- group	≤10cfu/g	Conforms	AOAC 997.02
E.Coli.	Negative/10g	Conforms	AOAC 991.14
Salmonella	Negative/10g	Conforms	AOAC 998.09
S.aureus	Negative/10g	Conforms	AOAC 2003.07
Aflatoxins	<20μg/kg	Conforms	HPLC (B1+B2+G1+G2)

Conclusion: Conform to Specification

Packing: Packed in paper-drums and two plastic-bags inside

Storage:Store in a well-closed container away from moisture,direct light and heat.

Inspector:Lily

Manager:Rachel

Verification:Shelly

