

CERTIFICATE OF ANALYSIS

Product Name	Spermidine Powder	Specification	Company Standard
Part Used	Wheat Germ	Manufacture Date	2024.7.10
Quantity	500KG	Analysis Date	2024.7.16
Batch No.	ES-240710	Expiry Date	2026.7.9
Items	Specifications	Results	
Appearance	Yellow Fine Powder	Conforms	
Content	Spermidine $\geq 1\%$	1.07%	
Particle Size	95% pass 80 mesh	Conforms	
Loss on drying	$\leq 5.0\%$	3.05%	
Residue on Ignition	$\leq 5.0\%$	3.52%	
Identification	Conforms with TLC	Conforms	
Solvent Residues	Meet USP Standard	Conforms	
Total Heavy Metals	$\leq 10.0\text{ppm}$	Conforms	
Pb	$\leq 1.0\text{ ppm}$	Conforms	
As	$\leq 1.0\text{ ppm}$	Conforms	
Cd	$\leq 1.0\text{ ppm}$	Conforms	
Hg	$\leq 0.1\text{ ppm}$	Conforms	
Total Plate Count	$\leq 1000\text{cfu/g}$	Conforms	
Yeast & Mold	$\leq 100\text{cfu/g}$	Conforms	
E.coli	Negative	Negative	
Salmonella	Negative	Negative	
Staphylococcus	Negative	Negative	
Conclusion	This sample meets the specifications.		

Conclusion: Approved

Tested by: Zhang Xiaoxuan

