

CERTIFICATE OF ANALYSIS

Product Name	Biotin	Specification	Company Standard
Cas No.	58-85-5	Manufacture Date	2024.5.14
Quantity	500KG	Analysis Date	2024.5.20
Batch No.	ES-240514	Expiry Date	2026.5.13
Items	Specifications	Results	
Appearance	White Powder	Conforms	
Assay	97.5%-102.0%	100.40%	
IR	Consistent with the reference IR spectrum	Conforms	
Specific rotation	-89° to +93°	+90.6°	
Retention time	Retention time of the major peak corresponds to that the standard solution	Conforms	
Individual impurity	≤1.0%	0.07%	
Total Impurities	≤2.0%	0.07%	
Heavy Metals	≤10.0ppm	Conforms	
As	≤1.0ppm	Conforms	
Pb	≤1.0ppm	Conforms	
Cd	≤1.0ppm	Conforms	
Hg	≤0.1ppm	Conforms	
Total Plate Count	≤1000cfu/g	Conforms	
Yeast & Mold	≤100cfu/g	Conforms	
E.coli	Negative	Negative	
Salmonella	Negative	Negative	
Staphylococcus	Negative	Negative	
Conclusion	This sample meets the specifications.		

Conclusion: Approved

Tested by: Zhang Xiaoxuan

