

CERTIFICATE OF ANALYSIS

1. Basic Information

Chemical Name: Hercynine	CAS Number: 534-30-5
Molecular Weight: C ₉ H ₁₅ N ₃ O ₂	Formula: 197.24
Batch Number: 2024091501	Manufacturing Date: Sep,15 th ,2024
Quantity: 100KG	Retest Date: Sep,14 th ,2025

2. Physical Characteristics

Items	Standard	Result
Appearance	White to light yellow crystals / powder	Conform
Purity (HPLC)	≥98%	99.8%
NMR	H-NMR	Conform
OR[α] _D ²⁰ (c=1.0, 5N HCl)	≥+43°	+44°
Dissolution test (1g product plus 8g methanol)	The solution is clear and transparent, and is non-soluble	Conform
Heavy metal control:		
Arsenic	≤1 ppm	Conform
Lead	≤1 ppm	Conform
Mercury	≤0.2 ppm	Conform
Cadmium	≤0.3 ppm	Conform
Total heavy metals	≤10 ppm	Conform
microorganism control:		

E.coli	ND	Conform
Staphylococcus aureus	ND	Conform
Salmonella	ND	Conform
Pseudomonas aeruginosa	ND	Conform
Total coliform	<100 CFU/g	Conform
Total mold and yeast	≤100 CFU/g	Conform
Total colony number	≤100 CFU/g	Conform
Conclusion	Comply with the standards	

QC Manager: Liu Si

Checker: Hu Kai

Approved: Shao Jin