



# CERTIFICATE OF ANALYSIS

Product name: Biotin

Batch No.: BN25101027

Manufacturing date	Oct 28, 2025	Reporting date	Nov 3, 2025
Retest date	Oct 27, 2028	Article No.	10102
Package	1 kg per bag	Package size	/
Ref. pharmacopoeia(s)	USP2025	Quantity	50 kg

Test Item	Specification	Method	Result
<b>Description</b>	Practically white, crystalline powder.	USP2025	Comply
<b>Identification</b>			
-IR	Consistent with the Reference IR spectrum	USP2025	Comply
-Specific rotation	+89° ~ +93°	USP2025	+91°
-Retention time	Retention time of the major peak corresponds to that of the standard solution	USP2025	Comply
<b>Related Compounds</b>			
-Individual impurity	≤1.0%	USP2025	0.11%
-Total impurities	≤2.0%	USP2025	0.11%
<b>Assay</b>	97.5% ~ 102.0%	USP2025	100.2%
<b>Heavy metals</b>			
Lead	≤0.5 mg/kg	ICP-OES, in-house	<0.5 mg/kg
Cadmium	≤0.5 mg/kg	ICP-OES, in-house	<0.5 mg/kg
Arsenic	≤0.5 mg/kg	ICP-OES, in-house	<0.5 mg/kg
Mercury	≤0.1 mg/kg	ICP-OES, in-house	<0.1 mg/kg
<b>Microbials</b>			
Total Aerobic Microbial Count	NMT 100 cfu/g	ChP2025	<100 cfu/g
Total Yeasts and Moulds Count	NMT 10 cfu/g	ChP2025	<10 cfu/g
E. Coli	Negative	ChP2025	Negative
Salmonella	Negative	ChP2025	Negative
S. Aureus	Negative	ChP2025	Negative
<b>Conclusion:</b> <i>This batch complies with the specification of USP2025 and additional requirements for heavy metals and microbials.</i>			
<b>Remark:</b> Store in tight containers.			

Reported by:

Approved by: