

**XI'AN BEST BIO-TECH CO., LTD.**

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Add: 1-10805 DIGITAL BUILDING NO.34 FENGHUI SOUTH ROAD HIGH-TECH ZONE XI'AN 710075, SHAANXI CHINA

CERTIFICATE OF ANALYSIS

Product Name	N-Acetyl-L-Cysteine		
Batch Number	BH230818YN	Quantity	1500KG
Manufacture Date	2023-08-18	Analysis Date	2023-08-19
Expiry Date	2025-08-17		

Items	Standards	Results
Physical and chemical analysis:		
Description	White powder	Qualified
State of solution (Transmittance)	Not less than 98.0%	>98.5%
Specific rotation/ $[\alpha]_D^{20}$ optical	+21.3° ~+27.0°	+25.0°
Assay	98.5%~101.0%	99.7%
PH	2.0~2.8	2.4
Loss on Drying	Not more than 0.50%	0.22%
Melting point	106° to 110°	pass
Other amino acids	Chromatographically not	Qualified
Residue on ignition	Not more than 0.2%	0.17%
Residue analysis:		
Heavy Metal	≤10ppm	Qualified
Arsenic(As ₂₀₃)	≤1ppm	Qualified
Chloride(Cl)	≤0.04	Qualified
Cd	≤1ppm	Qualified
Ammonium(NH ₄)	≤0.02	Qualified
Sulfate (SO ₄)	<0.03%	Qualified
Iron (Fe)	<20ppm	Qualified
General Status:		
GMO Free	Complies	Complies
Non-Irradiation	Complies	Complies
General Information:		
Conclusion	Conform to specification.	
Packing	Packed in paper-drums and two plastic-bags inside. N.W:25kgs	
Storage	Keep in cool & dry place. Keep away from strong light and heat.	
Shelf life	24 months under the conditions above and in its original packaging.	
Sterilization	High temperature.	

Tested by: Tony Liu

Approved by: Mike He

Certified by: Albert Li

