

# SUNNY CHEMGROUP CO., LIMITED

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## Certificate of analysis

INVOICE NO.:TTSFC564/23

PO NO.:6697

Name of product	N-Acetyl-L-Cysteine	Batch No	20231006
Quantity	500Kgs	Mfg .Date	2023.10.06
Quality Standard	AJI92	Re-Test.Date	2025.10.05

Item	Specifications	Results
Appearance	White crystals or crystalline powder	Conforms
Identification	Meet the requirements	Conforms
Specific rotation $[\alpha]D^{20}$	+21.3° ~ +27.0°	+25.3°
State of Solution	≥98.0%	98.5%
Chloride(Cl)	≤0.04%	<0.04%
Ammonium(NH <sub>4</sub> )	≤0.02%	<0.02%
Sulfate(SO <sub>4</sub> )	≤0.030%	<0.03%
Iron(Fe)	≤20ppm	<20ppm
Heavy metals(Pb)	≤10ppm	<10ppm
Arsenic(As <sub>2</sub> O <sub>3</sub> )	≤1ppm	<1ppm
Other Amino Acids	Chromatographically not detectable	Conforms
Loss on drying	≤0.5%	0.30%
Residue on ignition	≤0.20%	0.11%
Assay	98.5~101.0%	99.5%
PH	2.0~2.8	2.4
Melting Point	106~110°C	PASS

Conclusion :The above material conforms to standard of AJI92.

REF PT-25227-777 318560

**APROBADO**

AC-008-120  
L:305976