

SUNNY CHEMGROUP CO., LIMITED

Address: 218 C 5/F JAFFE MANSION 218 JAFFE RD WAN CHAI HONGKONG

(TAX ID: 6248141400012176)

TEL:008613831165827, Email: manager@famechem.com

Certificate of analysis

INVOICE NO.:TTSFC550/23

PO NO.:6670

Name of product	N-Acetyl-L-Cysteine	Batch No	20230912
Quantity	500Kgs	Mfg .Date	2023.09.12
Quality Standard	AJI92	Re-Test.Date	2025.09.11

Item	Specifications	Results
Appearance	White crystals or crystalline powder	Conforms
Identification	Meet the requirements	Conforms
Specific rotation $[\alpha]_D^{20}$	+21.3° ~ +27.0°	+23.6°
State of Solution	≥98.0%	98.2%
Chloride(Cl)	≤0.04%	<0.04%
Ammonium(NH ₄)	≤0.02%	<0.02%
Sulfate(SO ₄)	≤0.030%	<0.03%
Iron(Fe)	≤20ppm	<20ppm
Heavy metals(Pb)	≤10ppm	<10ppm
Arsenic(As ₂ O ₃)	≤1ppm	<1ppm
Other Amino Acids	Chromatographically not detectable	Conforms
Loss on drying	≤0.5%	0.30%
Residue on ignition	≤0.20%	0.15%
Assay	98.5~101.0%	99.5%
PH	2.0~2.8	2.2
Melting Point	106~110°C	PASS

Conclusion :The above material comforms to standard of AJI92.

AC. 008. 100
30 SEP 18
TAA
APROBADO
13/12/2023