

SUNNY CHEMGROUP CO., LIMITED

Address: ROOM 1607 TREND CENTRE 29-31 CHEUNG LEE ST CHAI WAN HONGKONG

(TAX ID: 6248141400012176)

TEL:008613831165827, Email: manager@famechem.com

Certificate of analysis

INVOICE NO.:TTSFC583/23

PO No.:6723

Name of product	N-Acetyl-L-Cysteine	Batch No	20240502
Quantity	1000Kgs	Mfg .Date	2024.05.02
Quality Standard	AJI92	Re-Test.Date	2026.05.01

Item	Specifications	Results
Appearance	White crystals or crystalline powder	Conforms
Identification	Meet the requirements	Conforms
Specific rotation $[\alpha]D^{20}$	+21.3° ~ +27.0°	+23.4°
State of Solution	≥98.0%	98.5%
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%	0.27%
Residue on ignition	≤0.20%	0.10%
Assay	98.5~101.0%	99.5%
PH	2.0~2.8	2.2
Melting Point	106~110℃	PASS

Conclusion :The above material conforms to standard of AJI92.

REF PT-25227-777 LOTE 319810

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APROBADO
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