



XI'AN JUNYUAN BIO-TECH CO.,LTD

JUNYUAN TEL:+86-29-86106815 EMAIL:postmaster@junyuanbio.com WEB:www.junyuanbio.com

Certificate of Analysis-- N-Acetyl-L-Cysteine

Product Name	N-Acetyl-L-Cysteine	Batch No	2007017
Quantity	500KG	Analysis Date	Jul., 19th, 2020
Mfg. Date	Jul., 17th, 2020	Exp. Date	Jul., 17th, 2022
Package	25KG/Drum	Standard	USP

Items	Specifications	Results
Appearance	White crystals or crystalline powder	Conforms
Specific rotation	+21.3 ° ~+ 27°	+24.9 °
State of solution	Not less than 98.0%	>98.0
Assay	98.5~101.0%	99.7%
Heavy metals(Pb)	Not more than 0.001%	<0.001%
Chloride(Cl)	Not more than 0.04%	<0.040%
Ammonium	Not more than 0.04%	<0.020%
Sulfate	Not more than 0.03%	<0.030%
Iron(Fe)	≤20ppm	2ppm
Arsenic	≤1ppm	<1ppm
Loss on drying	Not more than 0.05%	0.22%
Residue on Ignition	Not more than 0.02%	0.05%
PH	2.0-2.8	2.55
Melting Point	106°~110°	108°
Conclusion: This Batch Is Conforming With The Standard Of AJI92.		

QC: MANAGER:NianChen

INSPECTOR: FeiDeng

ANALYST: XiLi

