

NINGBO LONCIN BIOTECHNOLOGY CO.,LTD

Add: Xueyuan Road 208,Gaoqiao Town,Ningbo China

Tel/fax:0574-88322367 www.loncinbio.com

CERTIFICATE OF ANALYSIS

NAME :N-ACETYL-L-CYSTEINE (FERMENTION)

QNTY : 1000KGS

BATCH NO : LC20112701

STANDARD : USP40

MFG DATE:NOV 27,2020

EXP DATE:NOV 26,2022

Item	Limit	Result
Appearance	White crystals or crystals powder	Conforms
Identification	Infrared Absorption	Conforms
Specific rotation $[\alpha]_D^{25}$	+21°~+27°	+23.2°
Iron(Fe)	≤15PPm	<10PPm
Heavy metals(Pb)	≤10PPm	<10PPm
Loss on drying	≤1.0%	0.1%
Organic volatile impurities	Meets the requirements	Conforms
Residue on ignition	≤0.50%	0.08%
Assay	98~102.0%	99.9%
PH	2.0~2.8	2.3
Total plate	≤1000cfu/g	Conforms
Yeast and molds	≤100cfu/g	Conforms
E.COLI	Absence/g	Conforms
Salmonella	Absence/g	Conforms
Conclusion: Qualified		

Analysis date: 2020-11-09

Analyst :Liu Chunmei

Verifier : Yu Daobing