

# NINGBO YUANFA BIOENGINEERING CO., LTD.

宁波市远发生物工程有 限 公 司

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## CERTIFICATE OF ANALYSIS

NAME: L-TYROSINE  
BATCH NO.: 23091501  
STANDARD: BP  
EXP DATE: SEP 14,2025

QNTY : 50KGS  
SAMPLE DATE: 2023-09-15  
MFG DATE: SEP 15,2023

Item	Limit	Result
Description	White crystalline powder	Conforms
Specific rotation $[a]_D^{25}$	-9.8°~-11.2°	-10.1°
Identification	Infrared absorption	Conforms
Chloride(Cl)	≤200ppm	<200ppm
Sulfate(SO4)	≤300ppm	<300ppm
Iron(Fe)	≤10PPm	<10PPm
Ammonium	≤200ppm	<200ppm
Heavy metals(Pb)	≤10PPm	<10PPm
Sulphated Ash	≤0.1%	<0.1%
Ninhydrin-Positive Substances	≤0.50%	<0.50%
Loss on drying	≤0.50%	0.28%
PH	4.0~7.0	6.2
Assay	99.0%-101.0%	99.2%
Particle size	40mesh-60mesh	Conforms

Conclusion: this product via inspection accords with BP standards.

Analysis date : 2023-09-16 Analyst : SHEN Verifier : DENG

