



CERTIFICATE OF ANALYSIS

PRODUCT NAME:L-TYROSINE

QUANTITY:4000KG

CAS:60-18-4

BATCH NO.: 20240716

MFG. DATE:JUL.16, 2024

ASSAY DATE:JUL 16, 2024

EXP. DATE: JUL.15, 2026

ITEMS OF ANALYSIS	SPECIFICATION	RESULTS	Method
Appearance	White crystals or crystalline powder	Confirms	Visual
Assay/ % (dry basis)	98.5-101.5	99.63	USP39
Loss on drying/%	≤0.30	0.17	USP39
Residue on ignition/%	≤0.40	0.10	USP39
Specific Rotation	-9.8°~ -11.2°	-10.29°	USP39
Single impurity/%	≤0.5	< 0.5	USP39
Total impurities/%	≤2.0	< 2.0	USP39
Chlorides/ppm	≤ 400	<400	USP39
Sulfates/ppm	≤400	<400	USP39
Iron/ppm	≤30	<30	USP39
Heavy Metals/ppm	≤15	<15	USP39
Lead/ppm	≤3	<3	GB5009.12
Arsenic/ppm	≤1.5	<1.5	USP39
Mercury/ppm	≤0.1	<0.1	GB5009.17
Cadmium/ppm	≤1	<1	GB5009.15
Total Plate Count/(CFU/g)	≤1000	Conform	GB4789.2
Yeast and Mold/(CFU/g)	≤100	Conform	GB4789.15
E.Coli/(CFU/g)	Negative/10 g	Conform	GB4789.38
Salmonella	Negative/10 g	Conform	GB4789.4
Staphylococcus Aureus	Negative/10 g	Conform	GB4789.10
Particle size(through 40mesh)/%	≥100	100	USP39
Bulk density g/l	Only report	280	USP39
Tapped density g/l	Only report	556	USP39

CONCLUSION:THE QUALITY IS IN CONFORMITY WITH THE USP STANDARD.

PACKING:25KG/DRUM

SRORAGE:KEEP IT INA COOL,DRY AND SHADY PLACE.

MADE IN CHINA

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