

NINGBO LONCIN BIOTECHNOLOGY CO.,LTD

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Specification Sheets

NAME:L-Tryptophan
STANDARD:USP32

Analysis Item	Specification	Method
Characters, Appearance	White or canary yellow crystals or crystalline powder	Visual
Identification	Infrared absorption	USP197K
Assay	NLT 98.5% and NMT 101.5%	USP541
Residue on ignition	NMT 0. 1%	USP281
Chloride(CL)	NMT 0.05%	USP221
Sulfate(SO4)	NMT 0.03%	USP221
Iron(Fe)	NMT 30 ppm	USP241
Lead	NMT 1 ppm	USP 43
Arsenic	NMT 0.5 ppm	USP 43
Cadmium	NMT 0.5 ppm	USP 43
Mercury	NMT 0. 1 ppm	USP 43
Heavy Metals	NMT15 ppm	USP231
Specific rotation[α] _{D25}	-29.4° ~ -32.8°	USP781S
PH	5.5~7.0	USP791
Loss on drying	NMT 0.3%	USP731
Total Aerobic Microbial Count	NMT 1000 cfu/g	USP 43
Molds and Yeasts Count	NMT 100 cfu/g	USP 43
Coliform bacteria	Negative/10g	Testing Plate
Salmonella sp.	Negative/10g	Testing Plate
Staphylococcus aureus	Negative/10g	Testing Plate