

Specification Sheet

Product Name:	L-Tryptophan
Specifications & Purity:	from non-animal source, meets EP, JP, USP testing specifications, for cell culture, 99.0-101.0%
SKU #	T118579

Parameter	Limit Values
Ammonia (NH4)	0-0.02 (%)
Chloride	0-0.02 (%)
Loss on drying	0-0.1 (%)
PH test(1% in water)	3-3.5
(As)Arsenic	0-1 (ppm)
Ignition Residue	0-0.1 (%)
Iron(Fe)	0-20 (ppm)
Heavy metals	0-10 (ppm)
Sulfate(SO42-)	0-0.02 (%)
Endotoxin Assay	0-1 (EU/mg)
Assay(dry basis)	99-100.5 (%)
Specific Rotation [a]20/D(0.1g /10mL 1M HCl)EP and JP	-32.5--30.5 (°)
Specific Rotation [a]20/D(c=1 H2O)	-32.8--29.4 (°)
Appearance (T118579)	white to yellow crystals,powder,crystalline powder
Cell Culture Test	pass
Infrared spectrum	Conforms to Structure
Ninhydrin-positive substances (other amino acids)	Conforms
Origin	non-animal source
Residual solvents	complies
Solubility,Clear , 0.5 g to 20 mL of 2M HCl	pass