

Specification Sheet

Product Name: **L(+)-Glutamic acid**
Specifications & Purity: from non-animal source,EP,JP,USP ; for cell culture,98.5 to 101.0%
SKU # **G107510**

Parameter	Limit Values
(As)Arsenic	0-1 (ppm)
Sulfate(SO42-)	0-0.02 (%)
PH test	3-3.5
Loss on drying	0-0.1 (%)
Ammonia (NH4)	0-0.02 (%)
Endonuclease Detection	0-0.1 (EU/g)
Iron(Fe)	0-10 (ppm)
Assay	98.5-100.5 (%)
Ignition Residue (as sulfate)	0-0.1 (%)
Chloride	0-0.02 (%)
Heavy metal (as Pb)	0-10 (ppm)
Appearance (G107510)	White powder
Cell Culture Test	pass
Infrared spectrum	Conforms to Structure
Ninhydrin-positive substances (other amino acids)	Conforms
Residual solvents	complies
Solubility,Colorless , Clear , 1.0 g to 10 ml of 2 M HCl	pass
Assay(dry basis)	98.5-101 (%)
Specific Rotation $[\alpha]_{20}^D(C=10 \text{ in } 1 \text{ M HCl})$	31.5-32.4 (°)