

Specification Sheet

Product Name: **L-Valine**
Specifications & Purity: from non-animal source, meets EP, JP, USP testing specifications, suitable for cell culture, 98.5-101.0%
SKU #: **V139523**

Parameter	Limit Values
Sulfate(SO42-)	0-0.02 (%)
PH(5% in Water)(USP)	5.5-7
Endotoxin Assay	0-1 (EU/mg)
Iron(Fe)	0-10 (ppm)
Specific Rotation $[\alpha]_{25/D}(c=8$ in 6M HCL/USP)	26.6-28.8 (°)
Specific Rotation $[\alpha]_{20/D}(c=8$ in 6 M HCl / EP in JP)	27.6-28.7 (°)
Ammonia (NH4)	0-0.02 (%)
Appearance (V139523)	White powder
Cell Culture Test	pass
Identity by IR	Conforms to Structure
Origin	non-animal source
Solubility in H2O , Colorless Clear , 25mg/ml, H2O	pass