

## Specification Sheet

Product Name: **L-Phenylalanine**  
 Specifications & Purity: from non-animal source,EP,JP,USP ; for cell culture,98.5 to 101.0%  
 SKU # **P110425**

<b>Parameter</b>	<b>Limit Values</b>
Bacterial endotoxins	0-25 (EU/g)
(As)Arsenic	0-1 (ppm)
specific Rotation $[\alpha]_{20/D}(c=2$ in H <sub>2</sub> O EP)	-35--33.5 (°)
PH test	5.4-6
Chloride	0-0.02 (%)
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.02 (%)
Ammonia (NH <sub>4</sub> )	0-0.02 (%)
Other amino acids	0-0.5 (%)
specific Rotation $[\alpha]_{25/D}(c=2$ in H <sub>2</sub> O USP)	-34.7--32.7 (°)
Loss on drying	0-0.2 (%)
Heavy metal (as Pb)	0-10 (ppm)
Ignition Residue (as sulfate)	0-0.1 (%)
Iron(Fe)	0-10 (ppm)
Appearance (P110425)	White crystal 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,0.5g to 10ml of 1m hyd	Clear colorless
Assay(Titration by HClO <sub>4</sub> )	98.5-101 (%)