

## Specification Sheet

Product Name: **L-Asparagine Monohydrate**  
Specifications & Purity: non-animal source, for cell culture,  $\geq 99.0\%$   
SKU # **A119452**

Parameter	Limit Values
Iron(Fe)	0-10 (ppm)
Ignition Residue(Ash)	0-0.1 (%)
Specific Rotation $[\alpha]_{20/D}(c=10$ in 6M HCl in dried basis)	33-36.5 (°)
Chloride	0-0.02 (%)
Sulfate(SO <sub>4</sub> <sup>2-</sup> )	0-0.02 (%)
Ammonia (NH <sub>4</sub> )	0-0.1 (%)
Purity(HPLC)	99-100 (%)
Loss on drying	11.5-12.5 (%)
Endotoxin Assay	0-1 (EU/mg)
Heavy metal (as Pb)	0-10 (ppm)
Appearance (A119452)	white crystalline powder
Cell Culture Test	pass
Infrared spectrum	Conforms to Structure
Ninhydrin-Positive Substances	Conforms
Solubility in H <sub>2</sub> O , Colorless,Clear,1g/50ml	pass