

Aladdin warrants, that at the time of the quality release or subsequent retest date this product conformed to the information contained in this publication. The current Specification sheet may be available at Aladdin-e.com. For further inquiries, please contact Technical Service. Purchaser must determine the suitability of the product for its particular use. See reverse side of invoice or packing slip for additional terms and conditions of sale.

## 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

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