

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	00464
Product	L-Asparagine anhydrous
Lot Number	001192-210612
	L-Asn-OH
CAS Number	70-47-3
Molecular Formula	C ₄ H ₈ N ₂ O ₃
Molecular Weight	132.12

Appearance	White crystals or crystalline powder
Heavy Metals	< 5 ppm (as Pb)
Anion	Chloride (Cl) : < 0.02% Sulfate (SO ₄) : < 0.02%
Cation	Ammonium (NH ₄) : < 0.1% Iron (Fe) : < 10 ppm Arsenic (As ₂ O ₃) : < 1 ppm
pH	4.6
Optical Rotation	[α] _D ²⁰ = 35.1 °
Transmission	State of solution : 99.2%
Loss on Drying	0.1%
Other Amino Acids	0.15%
Residue On Ignition	0.02% (Sulfated)
Assay	99.7%
Storage	Store at RT
Remarks	See material safety data sheet for additional information For laboratory use only

The foregoing is a copy of the Certificate of Analysis as provided by our supplier



Bala Kumar
Quality Control Manager