

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	00024
Lot Number	001192-160525
Product	L-Arginine L-Arg-OH (S)-2-Amino-5-((aminoiminomethyl)amino)pentanoic acid
CAS Number	74-79-3
Molecular Formula	C ₆ H ₁₄ N ₄ O ₂
Molecular Weight	174.2

Appearance	White crystalline powder
Heavy Metals	< 10 ppm
Anion	Chloride (Cl ⁻): < 0.05% Sulfate (SO ₄ ²⁻): < 0.03%
Cation	Iron (Fe): < 10 ppm
Optical Rotation	[α] _D ²⁵ = +27.21°
Infrared Spectrum	Conforms to structure
Loss on Drying	0.20%
Organic Volatile Impurities	Meet USP requirements
Related Substances	Individual impurity: < 0.5% Total impurities: < 2.0%
Residue On Ignition	0.12%
Assay	99.55%
Grade	Meets USP Specification
Storage	Store at RT

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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