

Chem-Impex International, Inc.

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Certificate of Analysis

Catalogue Number	00331
Lot Number	001192-160120
Product	L-Arginine hydrochloride L-Arg-OH•HCl (S)-2-Amino-5-guanidinopentanoic acid hydrochloride
CAS Number	1119-34-2
Molecular Formula	C ₆ H ₁₄ N ₄ O ₂ •HCl
Molecular Weight	210.66
Appearance	White crystalline powder
Heavy Metals	< 20 ppm (Pb)
Anion	Chloride (Cl ⁻): 16.8%, Sulfate (SO ₄ ²⁻): < 0.02%
Optical Rotation	[α] _D ²⁰ = +22.1°
Loss on Drying	0.14%
Organic Volatile Impurities	Meets the requirements
Related Substances	Individual impurity: < 0.5% Total impurities: < 2.0%
Residue On Ignition	0.05%
Assay	99.5%
Grade	USP
Storage	Store at RT

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Lot Number: 001192-160120

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

A handwritten signature in black ink, appearing to read 'Bala Kumar', with a stylized flourish at the end.

Bala Kumar
Quality Control Manager