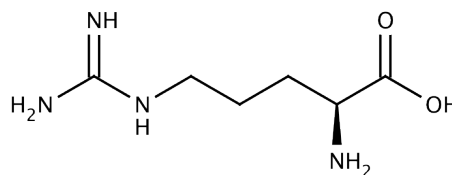


Product Specification

Product Name : L-Arginine
Glentham Code : GM7438
CAS Number : 74-79-3
EINECS : 200-811-1
MDL Number : MFCD00002635
PubChem SID : 310267012



Molecular Weight : 174.20
Molecular Formula : C₆H₁₄N₄O₂
Storage Temp. : +20°C

Property	Specification
Physical Description	White or almost white crystalline powder
Identification	According to EP, USP, AJI
Solubility (5% in water)	Clear, colourless solution
Specific Optical Rotation	EP: 25.5 - 28.5 °, USP: 26.3 - 27.7 °, AJI: 26.9 - 27.9 °
pH	10.5 - 12.0
Iron (Fe)	≤ 10ppm
Heavy Metals (as Pb)	≤ 10ppm
Lead (Pb)	≤ 3ppm
Cadmium (Cd)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Arsenic (As ₂ O ₃)	≤ 1ppm
Ninhydrin-positive substances	≤ 0.5% (according to EP)
Ammonium (NH ₄)	≤ 0.02%
Chloride (Cl)	≤ 0.02%
Sulphate (SO ₄)	≤ 0.02%
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 0.5%
Other Amino Acids	Not detected
Assay	99.0 - 101.0 % (dried basis)
Pharmacopoeia Specification(s)	EP, USP, AJI

Specification Version : v1.0
Date Created : 2014-05-14

Product Specification

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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