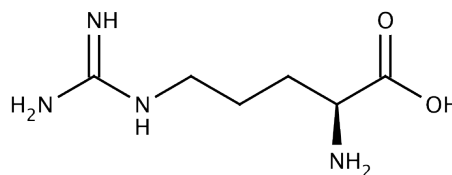


Product Specification

Product Name : L-Arginine, GlenCell™, suitable for cell culture
Glentham Code : GM1092
CAS Number : 74-79-3
EINECS : 200-811-1
MDL Number : MFCD00002635

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



Property	Specification
Physical Description	White crystalline powder
Identification	IR
Solubility	Freely soluble in water and in formic acid, practically insoluble in ethanol
Solubility (10% in water)	Clear, colourless solution
Transmittance	≥ 98.0% (10% in water, 430nm, 10mm cell)
Specific Optical Rotation	+26.9 - +27.9 °
Chloride (Cl)	≤ 0.02%
Ammonium (NH ₄)	≤ 0.02%
Sulphate (SO ₄)	≤ 0.02%
Iron (Fe)	≤ 10ppm
Heavy Metals (as Pb)	≤ 10ppm
Arsenic (As ₂ O ₃)	≤ 1ppm
Any Unspecified Impurity	≤ 0.2%
Total Impurities	≤ 2.0%
Residue on Ignition	≤ 0.1%
Loss on Drying	≤ 0.3%
pH (10% in water)	10.5 - 12.0
Endotoxins	≤ 6.0EU/g
Assay	98.5 - 101.0 % (dried basis)
Origin	Non-animal origin

Specification Version : v1.0
Date Created : 2016-06-22

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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