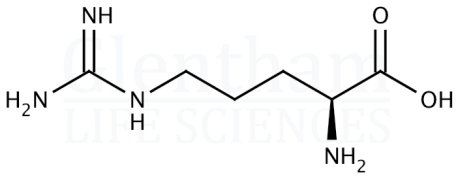
Glentham Life Sciences Ltd
Unit 5 Leafield Way
Corsham SN13 9SW
United Kingdom

t: +44 (0) 1225 667 798
f: +44 (0) 2033 978 909
e: info@glentham.com
w: www.glentham.com

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	$C_6H_{14}N_4O_2$
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 (NH4)	≤ 0.02%
Sulphate (SO4)	≤ 0.02%
Iron (Fe)	≤ 10ppm
Heavy Metals (as Pb)	≤ 10ppm
Arsenic (As2O3)	≤ 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

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

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2024

Printed: 2024-04-19 23:05:03