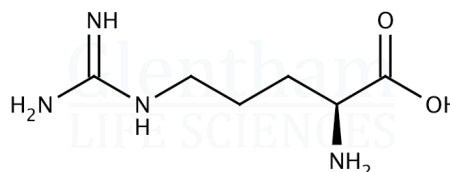


Product Specification

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	$C_6H_{14}N_4O_2$
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 (As2O3)	≤ 1ppm
Ninhydrin-positive substances	≤ 0.5% (according to EP)
Ammonium (NH4)	≤ 0.02%
Chloride (Cl)	≤ 0.02%
Sulphate (SO4)	≤ 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

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.

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