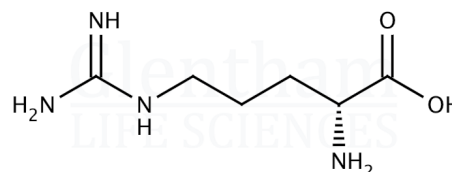


## Certificate of Analysis

Product Name D-Arginine  
Glentham Code GM7267  
CAS Number 157-06-2  
EINECS 205-866-5  
MDL Number MFCD00063116  
PubChem SID 310267013  
Batch Number 535MTS

Molecular Weight 174.20  
Molecular Formula  $C_6H_{14}N_4O_2$   
Storage Temp. +20°C



Property	Specification	Batch 535MTS
Physical Description	White to off-white powder	White powder
Solubility (5% in water)	Clear, colourless solution	Conforms
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	-27.2 - -25.2 ° (c=5, 5M HCl)	-26.8°
Chloride (Cl)	≤ 0.1%	Conforms
Sulphate (SO <sub>4</sub> )	≤ 0.2%	Conforms
Iron (Fe)	≤ 10ppm	Conforms
Heavy Metals (as Pb)	≤ 10ppm	Conforms
Residue on Ignition	≤ 0.2%	0.04%
Loss on Drying	≤ 0.5%	0.09%
Assay	98.5 - 101.0 %	99.3%

Specification Version v1.0  
Manufacture Date 2018-01-01  
Re-Test Date 2025-07-17

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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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