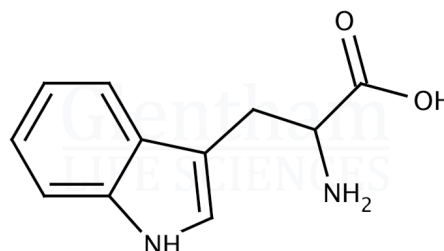


## Certificate of Analysis

Product Name DL-Tryptophan  
Glenthams Code GM0325  
CAS Number 54-12-6  
EINECS 200-194-9  
MDL Number MFCD00064339  
PubChem SID 310272470  
Batch Number 989AUS

Molecular Weight 204.23  
Molecular Formula  $C_{11}H_{12}N_2O_2$   
Storage Temp. +20°C



Property	Specification	Batch 989AUS
Physical Description	White or off-white powder	Conforms
Solubility (1% in 1M HCl)	Clear to faintly turbid, colourless to pale yellow solution	Conforms
Loss on Drying	≤ 1.0%	0.13%
Assay	≥ 99.0%	99.49%

Specification Version v1.0  
Manufacture Date 2017-10-19  
Re-Test Date 2028-12-01

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

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