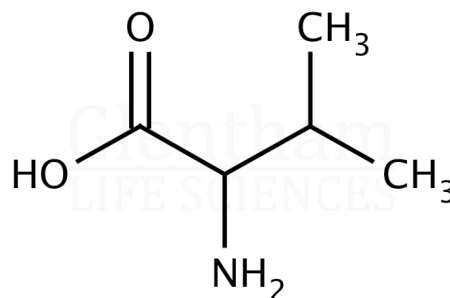


## Certificate of Analysis

Product Name DL-Valine  
Glentham Code GM3274  
CAS Number 516-06-3  
EINECS 208-220-0  
MDL Number MFCD00004267  
PubChem SID 310272480  
Batch Number 557KKT

Molecular Weight 117.15  
Molecular Formula  $C_5H_{11}NO_2$   
Storage Temp. +20°C



Property	Specification	Batch 557KKT
Physical Description	Colourless crystals or white crystalline powder	White crystalline powder
Solubility (5% in water)	Clear to faintly turbid solution	Conforms
Chloride (Cl)	≤ 0.05%	Conforms
Heavy Metals (as Pb)	≤ 10ppm	Conforms
Loss on Drying	≤ 0.5%	0.15%
Assay	98.5 - 101.5 %	99.2%

Specification Version v1.0  
Manufacture Date 2017-11-27  
Re-Test Date 2028-02-02

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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