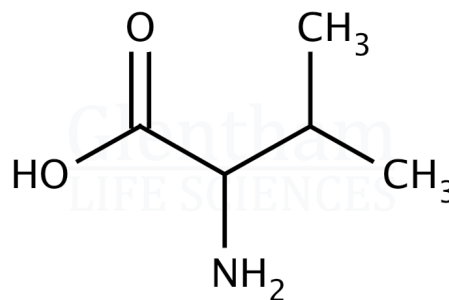


Certificate of Analysis

Product Name	DL-Valine
Glenthams 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 ₅ H 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

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 or contact us using the details above for the current version of this document.

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