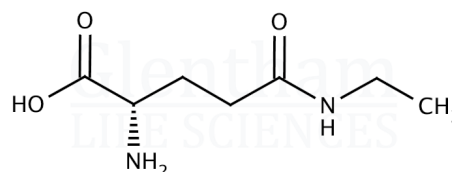


Certificate of Analysis

Product Name L-Theanine
Glentham Code GM8477
CAS Number 3081-61-6
EINECS 221-379-0
PubChem SID 310280843
MDL Number MFCD00059653
Batch Number 178TJQ

Molecular Weight 174.20
Molecular Formula $C_7H_{14}N_2O_3$
Storage Temp. +4°C



Property	Specification	Batch 178TJQ
Physical Description	White to off-white powder	Conforms
Solubility (5% in water)	Clear, colourless solution	Conforms
Specific Optical Rotation ($[\alpha]_{20/D}$)	+7.5 - +8.5 ° (c=1, water)	+8.2°
Water	≤ 1.0%	0.3%
Assay	98.0 - 102.0 %	99.2%

Specification Version v1.0
Manufacture Date 2017-04-28
Re-Test Date 2028-06-08

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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