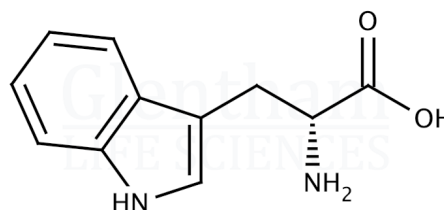


Certificate of Analysis

Product Name	D-Tryptophan
Glentham Code	GM5015
CAS Number	153-94-6
EINECS	205-819-9
MDL Number	MFCD00005647
PubChem SID	310281482
Batch Number	738TEU
Molecular Weight	204.23
Molecular Formula	C ₁₁ H ₁₂ N ₂ O ₂
Storage Temp.	+20°C



Property	Specification	Batch 738TEU
Physical Description	White to almost white powder	Conforms
Solubility (2% in water)	Clear, colourless solution	Conforms
Specific Optical Rotation	+30.0 - +33.0 ° (c=1, water)	+30.7°
Residue on Ignition	≤ 0.2%	0.02%
Loss on Drying	≤ 0.5%	0.12%
Heavy Metals (as Pb)	≤ 10ppm	Conforms
Related Substances	≤ 0.1% (L-tryptophan)	Conforms
Assay	≥ 98.0% (anhydrous basis)	99.4%

Specification Version	v1.0
Manufacture Date	2016-09-02
Re-Test Date	2025-02-22

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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