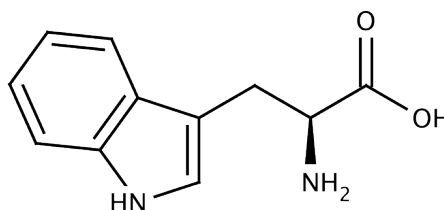


## Product Specification

Product Name : L-Tryptophan  
Glentham Code : GM0674  
CAS Number : 73-22-3  
EINECS : 200-795-6  
MDL Number : MFCD00064340  
PubChem SID : 310281481

Molecular Weight : 204.23  
Molecular Formula : C<sub>11</sub>H<sub>12</sub>N<sub>2</sub>O<sub>2</sub>  
Storage Temp. : +20°C



Property	Specification
Physical Description	White to off-white powder
Identification	IR
pH (1% solution)	5.5 - 7.0
Specific Optical Rotation	-29.4 - -32.8 °
Loss on Drying	≤ 0.3%
Residue on Ignition	≤ 0.1%
Chloride	≤ 0.05%
Sulphate	≤ 0.03%
Iron	≤ 30ppm
Heavy Metals	≤ 15ppm
Lead (Pb)	≤ 3ppm
Cadmium (Cd)	≤ 1ppm
Arsenic (As)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Assay	≥ 99.0%
Pharmacopoeia Specification(s)	USP

Specification Version : v1.1  
Date Created : 2015-02-16

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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