

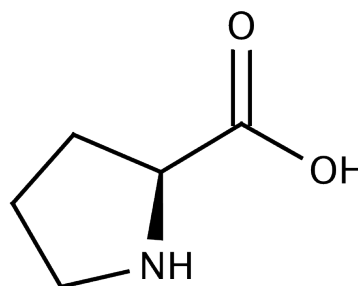
## Product Specification

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Product Name	L-Proline
Glentham Code	GM1129
CAS Number	147-85-3
EINECS	205-702-2
MDL Number	MFCD00064318
PubChem SID	310279253

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Molecular Weight	115.13
Molecular Formula	C5H9NO2
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystals or crystalline powder
Assay	99.0 - 101.0 % (anhydrous)
Identification	IR
Residue on Ignition	≤ 0.1%
Chloride (Cl)	≤ 0.05%
Sulphate (SO <sub>4</sub> )	≤ 0.03%
Iron (Fe)	≤ 10ppm
Heavy Metals (as Pb)	≤ 10ppm
Organic Impurities	Any Individual Impurity: ≤ 0.5% Total impurities: ≤ 2.0%
Specific Optical Rotation	-84.5 - -86.0 °
Loss on Drying	≤ 0.4%
Lead (Pb)	≤ 3ppm
Arsenic (As)	≤ 1ppm
Mercury (Hg)	≤ 0.1ppm
Cadmium (Cd)	≤ 1ppm
Pharmacopoeia Specification(s)	Conforms to USP

Specification Version - v1.0  
Date Created - 2014-01-03

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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