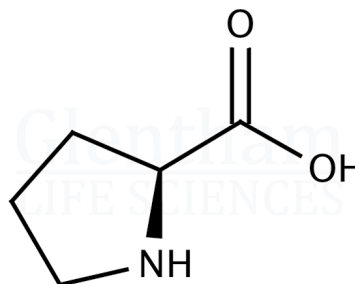


Product Specification

Product Name	L-Proline
Glentham Code	GM1129
CAS Number	147-85-3
EINECS	205-702-2
MDL Number	MFCD00064318
PubChem SID	310279253
Molecular Weight	115.13
Molecular Formula	C ₅ H ₉ NO ₂
Storage Temp.	+20°C



Property	Specification
Physical Description	White crystals or crystalline powder
Assay	99.0 - 101.0 % (anhydrous)
Identification (IR)	To conform to standard
Residue on Ignition	≤ 0.1%
Chloride (Cl)	≤ 0.05%
Sulphate (SO ₄)	≤ 0.03%
Iron (Fe)	≤ 30ppm
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	-	v1.1
Date Created	-	2023-01-10

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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