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## **Certificate of Analysis**

Product Name	L-Proline		
Glentham Code	GM1129		0
CAS Number	147-85-3		Ĥ
EINECS	205-702-2		
MDL Number	MFCD00064318	8	$\sim$
PubChem SID	310279253		/Он
Batch Number	552CZE		LIFE SCIENCES
Molecular Weight	115.13		
Iolecular Formula	C <sub>5</sub> H <sub>9</sub> NO <sub>2</sub>		∖ NH
torage Temp.	+20°C		
Property		Specification	Batch 552CZE
Physical Description		White crystals or crystalline powder	White crystalline powder
ssay		99.0 - 101.0 % (anhydrous)	100.3%
lentification (IR)		To conform to standard	Conforms
Residue on Ignition		≤ 0.1%	< 0.1%
hloride (Cl)		≤ 0.05%	< 0.05%
Sulphate (SO4)		≤ 0.03%	< 0.03%
ron (Fe)		≤ 30ppm	< 30ppm
Heavy Metals (as Pb)		≤ 10ppm	< 10ppm
Organic Impurities		Any Individual Impurity: ≤ 0.5%	< 0.5%
		Total impurities: ≤ 2.0%	< 2.0%
Specific Optical Rotation		-84.586.0 °	-85.0°
_oss on Drying		≤ 0.4%	0.1%
₋ead (Pb)		≤ 3ppm	< 0.04ppm
rsenic (As)		≤ 1ppm	< 0.01ppm
Mercury (Hg)		≤ 0.1ppm	< 0.01ppm
Cadmium (Cd)		≤ 1ppm	< 0.003ppm
Pharmacopoeia Specificat	tion(s)	Conforms to USP	Conforms

v1.1
2022-09-01
2029-10-27

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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