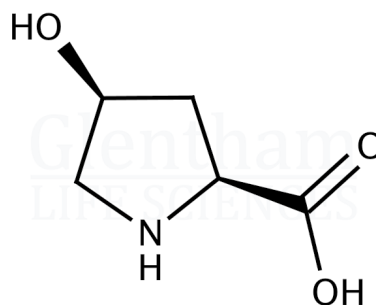


Certificate of Analysis

Product Name	trans-4-Hydroxy-L-proline, GlenCell™, suitable for cell culture
Glenthams Code	GM0902
CAS Number	51-35-4
EINECS	200-091-9
MDL Number	MFCD00064320
Batch Number	149IUV
Molecular Weight	131.13
Molecular Formula	C ₅ H ₉ NO ₃
Storage Temp.	+20°C



Property	Specification	Batch 149IUV
Physical Description	White crystalline powder	White crystalline powder
Specific Optical Rotation ([α] _D ²⁰)	-77.0 - -74.0 °	-75.5°
Residue on Ignition	≤ 0.1%	0.01%
Loss on Drying	≤ 0.2%	0.0%
Related Substances	≤ 0.3%	0.0%
Ammonium (NH ₄)	≤ 0.02%	< 0.02%
Chloride (Cl)	≤ 0.02%	< 0.02%
Sulphate (SO ₄)	≤ 0.02%	< 0.02%
Iron (Fe)	≤ 10ppm	< 10ppm
Heavy Metals (as Pb)	≤ 10ppm	< 10ppm
Arsenic (As ₂ O ₃)	≤ 1ppm	< 1ppm
Bacterial Endotoxins	≤ 40EU/g	< 40EU/g
Assay (dried basis)	99.0 - 101.0 %	99.9%

Specification Version	v1.0
Manufacture Date	2022-09-14
Re-Test Date	2030-01-30

Glenthams Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glenthams.com or contact us using the details above for the current version of this document.

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