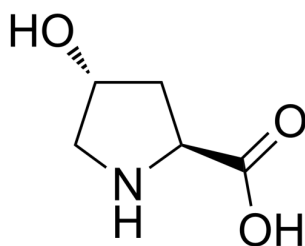


Certificate of Analysis

Compound Information

Product Name:	L-Hydroxyproline
Cat. No.:	1034241
CAS No.:	51-35-4
Molecular Formula:	C ₅ H ₉ NO ₃
Molecular Weight:	131.13
Chemical Structure:	



Batch Information

Batch No.:	Lf0511133118
Storage:	Storage temp. 2-8°C
Test Date:	2022-05-11
Retest Date:	2025-05-10
Origin:	Shanghai, China

QC Summary

QC Summary	Specification	Result
Appearance:	White to off-white (Solid)	White (Powder)
¹ H NMR Spectrum:	Consistent with structure	Consistent with structure
Clarity And Color Of Solution:	Colorless	Colorless
Structure Identification(¹ H NMR Spectrum):	Conforms to Structure	Conforms to Structure
Specific Rotation, C = 1 in H ₂ O, 20 deg C:	-77.0 - -74.0 °C	-75.8
Solubility(Turbidity), 50 mg/mL, Water:	Clear	Clear
Residue on Ignition, %:	< 0.1	0.11
Loss on Drying, %:	< 0.5	0.02
Bacterial endotoxins, EU/mg:	< 1	qualified
Arsenic(As), ppm:	≤ 1	qualified
Heavy Metals(as Pb), ppm:	≤ 10	0.18
Iron(Fe), ppm:	≤ 10	2.4

Sulfate(SO₄),%:	≤0.03	6.3ppm
Ammonium,%:	≤ 0.02	53.9ppm
Chloride(Cl),%:	≤0.02	78.6ppm
Assay,%:	≥98	100.7
Conclusion:	The product has been tested and complies with the given specifications.	

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

E-mail: product@leyan.com

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai