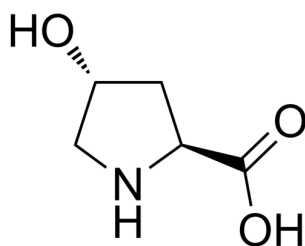


Certificate of Analysis

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.:	Lf0429131068
Storage:	Store at room temperature
Test Date:	2022-04-29
Retest Date:	2027-04-28
Origin:	Shanghai, China

QC Summary

QC Summary	Specification	Result
Appearance:	White to off-white (Solid)	White (Powder)
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	-76.5
Solubility(Turbidity),50 mg/mL, Water:	Clear	Clear
Residue on Ignition,%:	< 0.1	0.05
Loss on Drying,%:	< 0.5	0.1
Bacterial endotoxins,EU/mg:	< 1	qualified
Arsenic(As),ppm:	≤1	qualified
Heavy Metals(as Pb),ppm:	≤10	qualified
Iron(Fe),ppm:	≤10	qualified
Sulfate(SO ₄),%:	≤0.03	0.02

Ammonium,%:	≤ 0.02	0.02
Chloride(Cl),%:	≤0.02	0.02
Conclusion:	The product has been tested and complies with the given specifications.	

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

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