

Certificate of Analysis

Date of Testing: 2025-01-04 16:02:44

Date of Next Testing: 2029-01-03 16:02:44

Product Name: **L-Pipecolic acid**

CAS Number: 3105-95-1

Specifications & Purity: $\geq 98\%$

Lot #: L2424457

SKU #: **P106214**

Version: **1**

Analysis #: **371432**

Parameter	Limit Values	Result
Purity(Titration by HClO ₄)	97.5-102.5 (%)	99.59%
Specific Rotation [α] ₂₀ /D(c=4 in H ₂ O)	-28--25 (°)	-25.09°
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (P106214)	white crystalline powder	White to Light yellow powder to crystal
Solubility in H ₂ O , colorless to faint yellow clear to hazy,50mg/ml	pass	Pass



John Su
QA & QC Manager