

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-08-04 18:18:32

Date of Next Testing: 2027-08-03 18:18:32

Product Name: **L-Pipecolic acid**

CAS Number: 3105-95-1

Specifications &amp; Purity: 98%

Lot #: H2302919

SKU #: **P106214****Analysis: 249855**

Parameter	Limit Values	Result
Purity(Titration by HClO <sub>4</sub> )	97.5-102.5 (%)	99.55%
Specific Rotation [α] <sub>20</sub> /D(c=4 in H <sub>2</sub> O)	-28--25 (°)	-25.08°
Appearance (P106214)	White to Light Yellow Powder to Crystal	White to Light yellow powder to crystal
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in H <sub>2</sub> O , colorless to faint yellow clear to hazy,50mg/ml	pass	Pass

John Su  
QA & QC Manager