

Certificate of Analysis

Date of Testing: 2024-10-12 09:29:43

Date of Next Testing: 2026-10-12 09:29:43

Product Name: **3 , 4-dehydro-L-proline**

CAS Number: 4043-88-3

Specifications & Purity: $\geq 95\%$ (HPLC)

Lot #: F1910052

SKU # **D137596**

Version **0**

Analysis #: **418019**

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=1 \text{ in H}_2\text{O})}$	-410--380 (°)	-400.11 °
Purity(Nonaqueous Titration)	95-100 (%)	96.23 %
Purity(HPLC)	95-100 (%)	96.23000 %
Appearance (D137596)	White to Off-White Powder or Solid	White to Off-White Powder or Solid
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Solubility in AcOH , colorless clear,50 mg/ml	colorless Clear,50 mg/ml	colorless Clear,50 mg/ml



John Su
QA & QC Manager