

Certificate of Analysis

Date of Testing: 2024-06-14 17:18:30
Date of Next Testing: 2026-06-14 17:18:30
Product Name: **cis-4-Hydroxy-D-proline**
CAS Number: 2584-71-6
Specifications & Purity: $\geq 98.0\%$ (HPLC)
Lot #: A1527023
SKU #: **I132870**
Version: **1**
Analysis #: **368757**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation $[\alpha]_{20/D(c=2 \text{ in H}_2\text{O})}$	56-60 ($^{\circ}$)	57.08 $^{\circ}$
Purity(HPLC)	98-100 (%)	98.11200%
Carbon by Elemental Analysis	44.9-46.7 (%)	45.58%
Nitrogen by Elemental Analysis	10.5-10.9 (%)	10.67%
Appearance (I132870)	White powder	White powder
Solubility in H ₂ O , Colorless,Clear,100 mg/mL, H ₂ O	pass	Pass
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su
QA & QC Manager