

Certificate of Analysis

Date of Testing: 2024-09-06 17:47:47
Date of Next Testing: 2028-09-05 17:47:47
Product Name: **trans-4-Hydroxy-L-proline**
CAS Number: 51-35-4
Specifications & Purity: $\geq 99\%$
Lot #: I2404401
SKU #: **H111005**
Version: **0**
Analysis #: **408557**
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	99-100 (%)	99.58 %
Purity(HPLC)	99-100 (%)	99.96000 %
Specific Rotation $[\alpha]_{20/D}(c=4 \text{ in H}_2\text{O})$	-77--74 ($^{\circ}$)	-74.65 $^{\circ}$
Appearance (H111005)	white to off-white crystalline powder	white to off-white crystalline powder
Infrared spectrum	Conforms to Structure	Conforms to Structure
Solubility,Colorless and clear(5% in H ₂ O)	pass	Pass



John Su
QA & QC Manager