

Certificate of Analysis

Date of Testing: 2023-02-02 10:57:45

Date of Next Testing: 2027-02-01 10:57:45

Product Name: **tert-Butyl (S)-2-pyrrolidone-5-carboxylate**

CAS Number: 35418-16-7

Specifications & Purity: 98%

Lot #: A2330386

SKU #: **B118390**

Analysis: **152165**

Storage Temperature: Argon charged

Parameter	Limit Values	Result
Specific Rotation [α] ₂₀ /D(c=1 in MeOH)	8-10 (°)	8.49°
Purity(HPLC area)	98-100 (%)	99.31%
Proton NMR spectrum	Conforms to Structure	Conforms to Structure

A handwritten signature in black ink that reads "John Su".

John Su
QA & QC Manager