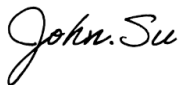


## Certificate of Analysis

Date of Testing: 2022-02-08 16:23:14  
Date of Next Testing: 2026-02-07 16:23:14  
Product Name: **DL-Threonine (contains DL-Allothreonine)**  
CAS Number: 80-68-2  
Specifications & Purity: >97.0%(T)  
Lot #: A2226007  
SKU #: **S161020**  
Analysis: **071458**

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	96.5-103.5 (%)	99.38 %
Appearance (S161020)	White to Off-White Powder	White to Off-White Powder
Proton NMR spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager