

## Certificate of Analysis

Date of Testing: 2024-07-30 13:19:50  
Date of Next Testing: 2027-07-30 13:19:50  
Product Name: **PA 452**  
CAS Number: 457657-34-0  
Specifications & Purity:  $\geq 98\%$ (HPLC)  
Lot #: G2422202  
SKU #: **P288123**  
Version: **1**  
Analysis #: **345905**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$ , Argon charged

Parameter	Limit Values	Result
Purity(HPLC area)	98-100 (%)	99.91%
NMR Spectrum 1H	Conforms to structure	Conforms to Structure
LC-MS for identification	Conforms	Conforms



John Su  
QA & QC Manager