

## Certificate of Analysis

Date of Testing: 2024-12-06 16:35:50  
Date of Next Testing: 2027-12-06 16:35:50  
Product Name: **N-Azidoacetylmannosamine-tetraacylated**  
CAS Number: 361154-30-5  
Specifications & Purity:  $\geq 98\%$ ,  $\alpha$  and  $\beta$  isomer mixture  
Lot #: L2402651  
SKU #: **T303546**  
Version: **3**  
Analysis #: **439761**  
Storage Temperature: Store at  $-20^{\circ}\text{C}$

Parameter	Limit Values	Result
Purity(HPLC)(mixture of $\alpha$ and $\beta$ isomers)	98-100 (%)	99.80000 %
Appearance(T303546)	White to Beige Powder or Crystals	white to beige powder or crystals
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Infrared spectrum	Conforms to Structure	Conforms to Structure



John Su  
QA & QC Manager