

## Certificate of Analysis

Date of Testing: 2023-03-07 14:41:39  
Date of Next Testing: 2027-03-06 14:41:39  
Product Name: **Guanosine 5'-(trihydrogen diphosphate) P'-D-mannopyranosyl ester disodium salt**  
CAS Number: 103301-73-1  
Specifications & Purity: 95%  
Lot #: B2328577  
SKU #: **G409424**  
Analysis: **135433**  
Storage Temperature: Store at -20°C

Parameter	Limit Values	Result
Purity(HPLC)	95-100 (%)	99.40000 %
Proton NMR spectrum	Conforms to structure	Conforms to Structure



John Su  
QA & QC Manager